

# Ultra Lo-Drift 120°

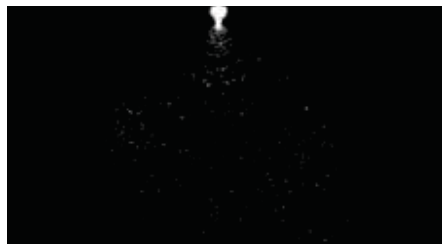


The ULD – Ultra Lo-Drift is the ideal spray nozzle for use where drift reduction is paramount. The nozzle produces large air-filled droplets, which cut drift dramatically compared with a standard fan and conventional low-drift spray nozzles. Ideal for use with pre-emergence and broad spectrum products.

- Creates air-filled droplets which significantly reduce spray drift
- Wide spray angle (120°) enables boom height to be lowered to further decrease drift
- Small, compact size reduces the chances of accidental breakage
- FastCap complete includes nozzle, cap, gasket and integrated strainers

## US Units

| Nozzle Size | Droplet Size | Pressure (PSI) | Flow Rate (GPM) | Gallons per Acre 20 inch nozzle spacing |      |      |      |      |      |      |      | GAL/1000 Ft <sup>2</sup> 20 inch nozzle spacing |      |      |      |  |
|-------------|--------------|----------------|-----------------|---|------|------|------|------|------|------|------|---|------|------|------|--|
|             |              |                |                 | 4                                       | 5    | 6    | 8    | 10   | 12   | 15   | 20   | 2   | 3    | 4    | 5    |  |
| 015         | UC           | 20             | 0.11            | 8.2                                     | 6.5  | 5.4  | 4.1  | 3.3  | 2.7  | 2.2  | 1.6  | 0.38  | 0.25 | 0.19 | 0.15 |  |
|             | XC           | 30             | 0.13            | 9.7                                     | 7.7  | 6.4  | 4.8  | 3.9  | 3.2  | 2.6  | 1.9  | 0.44  | 0.30 | 0.22 | 0.18 |  |
|             | VC           | 40             | 0.15            | 11.1                                    | 8.9  | 7.4  | 5.6  | 4.5  | 3.7  | 3.0  | 2.2  | 0.51  | 0.34 | 0.26 | 0.20 |  |
|             | VC           | 50             | 0.17            | 12.6                                    | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58  | 0.39 | 0.29 | 0.23 |  |
|             | C            | 60             | 0.18            | 13.4                                    | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7  | 0.61  | 0.41 | 0.31 | 0.25 |  |
|             | C            | 70             | 0.20            | 14.9                                    | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68  | 0.45 | 0.34 | 0.27 |  |
|             | C            | 80             | 0.21            | 15.6                                    | 12.5 | 10.4 | 7.8  | 6.2  | 5.2  | 4.2  | 3.1  | 0.72  | 0.48 | 0.36 | 0.29 |  |
|             | M            | 90             | 0.23            | 17.1                                    | 13.7 | 11.4 | 8.5  | 6.8  | 5.7  | 4.6  | 3.4  | 0.78  | 0.52 | 0.39 | 0.31 |  |
|             | M            | 100            | 0.24            | 17.8                                    | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82  | 0.55 | 0.41 | 0.33 |  |
|             | M            | 115            | 0.25            | 18.6                                    | 14.9 | 12.4 | 9.3  | 7.4  | 6.2  | 5.0  | 3.7  | 0.85  | 0.57 | 0.43 | 0.34 |  |
| 02          | UC           | 20             | 0.14            | 10.4                                    | 8.3  | 6.9  | 5.2  | 4.2  | 3.5  | 2.8  | 2.1  | 0.48  | 0.32 | 0.24 | 0.19 |  |
|             | XC           | 30             | 0.17            | 12.6                                    | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58  | 0.39 | 0.29 | 0.23 |  |
|             | C            | 40             | 0.20            | 14.9                                    | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68  | 0.45 | 0.34 | 0.27 |  |
|             | C            | 50             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75  | 0.50 | 0.38 | 0.30 |  |
|             | C            | 60             | 0.24            | 17.8                                    | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82  | 0.55 | 0.41 | 0.33 |  |
|             | M            | 70             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89  | 0.59 | 0.44 | 0.35 |  |
|             | M            | 80             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95  | 0.64 | 0.48 | 0.38 |  |
|             | M            | 90             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02  | 0.68 | 0.51 | 0.41 |  |
|             | M            | 100            | 0.32            | 23.8                                    | 19.0 | 15.8 | 11.9 | 9.5  | 7.9  | 6.3  | 4.8  | 1.09  | 0.73 | 0.55 | 0.44 |  |
|             | M            | 115            | 0.34            | 25.2                                    | 20.2 | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0  | 1.16  | 0.77 | 0.58 | 0.46 |  |
| 025         | XC           | 20             | 0.18            | 13.4                                    | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7  | 0.61  | 0.41 | 0.31 | 0.25 |  |
|             | XC           | 30             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75  | 0.50 | 0.38 | 0.30 |  |
|             | C            | 40             | 0.25            | 18.6                                    | 14.9 | 12.4 | 9.3  | 7.4  | 6.2  | 5.0  | 3.7  | 0.85  | 0.57 | 0.43 | 0.34 |  |
|             | C            | 50             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95  | 0.64 | 0.48 | 0.38 |  |
|             | C            | 60             | 0.31            | 23.0                                    | 18.4 | 15.3 | 11.5 | 9.2  | 7.7  | 6.1  | 4.6  | 1.06  | 0.70 | 0.53 | 0.42 |  |
|             | M            | 70             | 0.33            | 24.5                                    | 19.6 | 16.3 | 12.3 | 9.8  | 8.2  | 6.5  | 4.9  | 1.13  | 0.75 | 0.56 | 0.45 |  |
|             | M            | 80             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19  | 0.80 | 0.60 | 0.48 |  |
|             | M            | 90             | 0.38            | 28.2                                    | 22.6 | 18.8 | 14.1 | 11.3 | 9.4  | 7.5  | 5.6  | 1.30  | 0.86 | 0.65 | 0.52 |  |
|             | M            | 100            | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36  | 0.91 | 0.68 | 0.55 |  |
|             | M            | 115            | 0.42            | 31.2                                    | 24.9 | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43  | 0.95 | 0.72 | 0.57 |  |
| 03          | XC           | 20             | 0.21            | 15.6                                    | 12.5 | 10.4 | 7.8  | 6.2  | 5.2  | 4.2  | 3.1  | 0.72  | 0.48 | 0.36 | 0.29 |  |
|             | XC           | 30             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89  | 0.59 | 0.44 | 0.35 |  |
|             | C            | 40             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02  | 0.68 | 0.51 | 0.41 |  |
|             | C            | 50             | 0.34            | 25.2                                    | 20.2 | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0  | 1.16  | 0.77 | 0.58 | 0.46 |  |
|             | C            | 60             | 0.37            | 27.5                                    | 22.0 | 18.3 | 13.7 | 11.0 | 9.2  | 7.3  | 5.5  | 1.26  | 0.84 | 0.63 | 0.50 |  |
|             | M            | 70             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36  | 0.91 | 0.68 | 0.55 |  |
|             | M            | 80             | 0.42            | 31.2                                    | 24.9 | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43  | 0.95 | 0.72 | 0.57 |  |
|             | M            | 90             | 0.45            | 33.4                                    | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53  | 1.02 | 0.77 | 0.61 |  |
|             | M            | 100            | 0.47            | 34.9                                    | 27.9 | 23.3 | 17.4 | 14.0 | 11.6 | 9.3  | 7.0  | 1.60  | 1.07 | 0.80 | 0.64 |  |
|             | M            | 115            | 0.51            | 37.9                                    | 30.3 | 25.2 | 18.9 | 15.1 | 12.6 | 10.1 | 7.6  | 1.74  | 1.16 | 0.87 | 0.70 |  |
| 04          | UC           | 20             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95  | 0.64 | 0.48 | 0.38 |  |
|             | UC           | 30             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19  | 0.80 | 0.60 | 0.48 |  |
|             | UC           | 40             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36  | 0.91 | 0.68 | 0.55 |  |
|             | XC           | 50             | 0.45            | 33.4                                    | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53  | 1.02 | 0.77 | 0.61 |  |
|             | XC           | 60             | 0.49            | 36.4                                    | 29.1 | 24.3 | 18.2 | 14.6 | 12.1 | 9.7  | 7.3  | 1.67  | 1.11 | 0.84 | 0.67 |  |
|             | XC           | 70             | 0.53            | 39.4                                    | 31.5 | 26.2 | 19.7 | 15.7 | 13.1 | 10.5 | 7.9  | 1.81  | 1.20 | 0.90 | 0.72 |  |
|             | VC           | 80             | 0.57            | 42.3                                    | 33.9 | 28.2 | 21.2 | 16.9 | 14.1 | 11.3 | 8.5  | 1.94  | 1.30 | 0.97 | 0.78 |  |
|             | VC           | 90             | 0.60            | 44.6                                    | 35.6 | 29.7 | 22.3 | 17.8 | 14.9 | 11.9 | 8.9  | 2.05  | 1.34 | 1.02 | 0.82 |  |
|             | C            | 100            | 0.63            | 46.8                                    | 37.4 | 31.2 | 23.4 | 18.7 | 15.6 | 12.5 | 9.4  | 2.15  | 1.43 | 1.07 | 0.86 |  |
|             | C            | 115            | 0.68            | 50.5                                    | 40.4 | 33.7 | 25.2 | 20.2 | 16.8 | 13.5 | 10.1 | 2.32  | 1.55 | 1.16 | 0.93 |  |
| 05          | UC           | 20             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19  | 0.80 | 0.60 | 0.48 |  |
|             | UC           | 30             | 0.43            | 31.9                                    | 25.5 | 21.3 | 16.0 | 12.8 | 10.6 | 8.5  | 6.4  | 1.47  | 0.98 | 0.73 | 0.59 |  |
|             | XC           | 40             | 0.50            | 37.1                                    | 29.7 | 24.8 | 18.6 | 14.9 | 12.4 | 9.9  | 7.4  | 1.71  | 1.14 | 0.85 | 0.68 |  |
|             | XC           | 50             | 0.56            | 41.6                                    | 33.3 | 27.7 | 20.8 | 16.6 | 13.9 | 11.1 | 8.3  | 1.91  | 1.27 | 0.95 | 0.76 |  |
|             | XC           | 60             | 0.61            | 45.3                                    | 36.2 | 30.2 | 22.6 | 18.1 | 15.1 | 12.1 | 9.1  | 2.08  | 1.39 | 1.04 | 0.83 |  |
|             | VC           | 70             | 0.66            | 49.0                                    | 39.2 | 32.7 | 24.5 | 19.6 | 16.3 | 13.1 | 9.8  | 2.25  | 1.50 | 1.13 | 0.90 |  |
|             | VC           | 80             | 0.71            | 52.7                                    | 42.2 | 35.1 | 26.4 | 21.1 | 17.6 | 14.1 | 10.5 | 2.42  | 1.61 | 1.21 | 0.97 |  |
|             | VC           | 90             | 0.75            | 55.7                                    | 44.6 | 37.1 | 27.8 | 22.3 | 18.6 | 14.9 | 11.1 | 2.56  | 1.71 | 1.28 | 1.02 |  |
|             | C            | 100            | 0.79            | 58.7                                    | 46.9 | 39.1 | 29.3 | 23.5 | 19.6 | 15.6 | 11.7 | 2.69  | 1.80 | 1.35 | 1.08 |  |
|             | C            | 115            | 0.85            | 63.1                                    | 50.5 | 42.1 | 31.6 | 25.2 | 21.0 | 16.8 | 12.6 | 2.90  | 1.93 | 1.45 | 1.16 |  |
| 06          | UC           | 20             | 0.42            | 31.2                                    | 24.9 | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43  | 0.95 | 0.72 | 0.57 |  |
|             | UC           | 30             | 0.52            | 38.6                                    | 30.9 | 25.7 | 19.3 | 15.4 | 12.9 | 10.3 | 7.7  | 1.77  | 1.18 | 0.89 | 0.71 |  |
|             | XC           | 40             | 0.60            | 44.6                                    | 35.6 | 29.7 | 22.3 | 17.8 | 14.9 | 11.9 | 8.9  | 2.05  | 1.36 | 1.02 | 0.82 |  |
|             | XC           | 50             | 0.67            | 49.7                                    | 39.8 | 33.2 | 24.9 | 19.9 | 16.6 | 13.3 | 9.9  | 2.28  | 1.52 | 1.14 | 0.91 |  |
|             | VC           | 60             | 0.73            | 54.2                                    | 43.4 | 36.1 | 27.1 | 21.7 | 18.1 | 14.5 | 10.8 | 2.49  | 1.66 | 1.24 | 1.00 |  |
|             | C            | 70             | 0.79            | 58.7                                    | 46.9 | 39.1 | 29.3 | 23.5 | 19.6 | 15.6 | 11.7 | 2.69  | 1.80 | 1.35 | 1.08 |  |
|             | C            | 80             | 0.85            | 63.1                                    | 50.5 | 42.1 | 31.6 | 25.2 | 21.0 | 16.8 | 12.6 | 2.90  | 1.93 | 1.45 | 1.16 |  |
|             | C            | 90             | 0.90            | 66.8                                    | 53.5 | 44.6 | 33.4 | 26.7 | 22.3 | 17.8 | 13.4 | 3.07  | 2.05 | 1.53 | 1.23 |  |
|             | C            | 100            | 0.95            | 70.5                                    | 56.4 | 47.0 | 35.3 | 28.2 | 23.5 | 18.8 | 14.1 | 3.24  | 2.16 | 1.62 | 1.30 |  |
|             | M            | 115            | 1.02            | 75.7                                    | 60.6 | 50.5 | 37.9 | 30.3 | 25.2 | 20.2 | 15.1 | 3.48  | 2.32 | 1.74 | 1.39 |  |
| 08          | UC           | 20             | 0.57            | 42.3                                    | 33.9 | 28.2 | 21.2 | 16.9 | 14.1 | 11.3 | 8.5  | 1.94  | 1.30 | 0.97 | 0.78 |  |
|             | XC           | 30             | 0.69            | 51.2                                    | 41.0 | 34.2 | 25.6 | 20.5 | 17.1 | 13.7 | 10.2 | 2.35  | 1.57 | 1.18 | 0.94 |  |
|             | VC           | 40             | 0.80            | 59.4                                    | 47.5 | 39.6 | 29.7 | 23.8 | 19.8 | 15.8 | 11.9 | 2.73  | 1.82 | 1.36 | 1.09 |  |
|             | VC           | 50             | 0.89            | 66.1                                    | 52.9 | 44.1 | 33.0 | 26.4 | 22.0 | 17.6 | 13.2 | 3.03  | 2.02 | 1.52 | 1.21 |  |
|             | C            | 60             | 0.98            | 72.8                                    | 58.2 | 48.5 | 36.4 | 29.1 | 24.3 | 19.4 | 14.6 | 3.34  | 2.23 | 1.67 | 1.34 |  |
|             | C            | 70             | 1.06            | 78.7                                    | 63.0 | 52.5 | 39.4 | 31.5 | 26.2 | 21.0 | 15.7 | 3.61  | 2.41 | 1.81 | 1.45 |  |
|             | C            | 80             | 1.13            | 83.9                                    | 67.1 | 55.9 | 42.0 | 33.6 | 28.0 | 22.4 | 16.8 | 3.85  | 2.57 | 1.93 | 1.54 |  |
|             | M            | 90             | 1.20            | 89.1                                    | 71.3 | 59.4 | 44.6 | 35.6 | 29.7 | 23.8 | 17.8 | 4.09  | 2.73 |      |      |  |



Maximum drift control in a 120° wide spray pattern for even coverage in broadcast applications



Unique 60° thick spray pattern for a wider coverage area. 120° wide by 60° thick pattern.

See [www.hypospraytips.com/certifications](http://www.hypospraytips.com/certifications) for the latest drift reduction standard information.

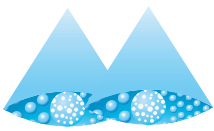
### Metric Units

| Nozzle Size | Droplet Size | Pressure (BAR) | Flow Rate (LPM) | Application Rate L/Ha - 50cm spacing KM/H |     |     |     |     |     | Drift Reduction Standards |     |  |
|-------------|--------------|----------------|-----------------|---|-----|-----|-----|-----|-----|---------------------------|-----|--|
|             |              |                |                 | 7   | 8   | 10  | 12  | 15  | 20  |                           | 25  | 30   |
| 015         | UC           | 1              | 0,35            | 60  | 53  | 42  | 35  | 28  | 21  | 17                        | 14  | JKI  |
|             | UC           | 1,5            | 0,42            | 72  | 63  | 50  | 42  | 34  | 25  | 20                        | 17  |  |
|             | XC           | 2              | 0,49            | 84  | 74  | 59  | 49  | 39  | 29  | 24                        | 20  |  |
|             | VC           | 3              | 0,60            | 103                                       | 90  | 72  | 60  | 48  | 36  | 29                        | 24  |  |
|             | C            | 4              | 0,69            | 118                                       | 104 | 83  | 69  | 55  | 41  | 33                        | 28  |  |
|             | C            | 5              | 0,77            | 132                                       | 116 | 92  | 77  | 62  | 46  | 37                        | 31  |  |
|             | M            | 6              | 0,85            | 146                                       | 128 | 102 | 85  | 68  | 51  | 41                        | 34  |  |
|             | M            | 7              | 0,92            | 158                                       | 138 | 110 | 92  | 74  | 55  | 44                        | 37  |  |
| 02          | UC           | 1              | 0,46            | 79  | 69  | 55  | 46  | 37  | 28  | 22                        | 18  | JKI  |
|             | UC           | 1,5            | 0,57            | 98  | 86  | 68  | 57  | 46  | 34  | 27                        | 23  |  |
|             | XC           | 2              | 0,65            | 111                                       | 98  | 78  | 65  | 52  | 39  | 31                        | 26  |  |
|             | C            | 3              | 0,80            | 137                                       | 120 | 96  | 80  | 64  | 48  | 38                        | 32  |  |
|             | C            | 4              | 0,92            | 158                                       | 138 | 110 | 92  | 74  | 55  | 44                        | 37  |  |
|             | M            | 5              | 1,03            | 177                                       | 155 | 124 | 103 | 82  | 62  | 49                        | 41  |  |
|             | M            | 6              | 1,13            | 194                                       | 170 | 136 | 113 | 90  | 68  | 54                        | 45  |  |
|             | M            | 7              | 1,22            | 209                                       | 183 | 146 | 122 | 98  | 73  | 59                        | 49  |  |
| 025         | UC           | 1              | 0,58            | 99  | 87  | 70  | 58  | 46  | 35  | 28                        | 23  | JKI  |
|             | UC           | 1,5            | 0,71            | 122                                       | 107 | 85  | 71  | 57  | 43  | 34                        | 28  |  |
|             | XC           | 2              | 0,82            | 141                                       | 123 | 98  | 82  | 66  | 49  | 39                        | 33  |  |
|             | C            | 3              | 1,00            | 171                                       | 150 | 120 | 100 | 80  | 60  | 48                        | 40  |  |
|             | C            | 4              | 1,15            | 197                                       | 173 | 138 | 115 | 92  | 69  | 55                        | 46  |  |
|             | M            | 5              | 1,29            | 221                                       | 194 | 155 | 129 | 103 | 77  | 62                        | 52  |  |
|             | M            | 6              | 1,41            | 242                                       | 212 | 169 | 141 | 113 | 85  | 68                        | 56  |  |
|             | M            | 7              | 1,53            | 262                                       | 230 | 184 | 153 | 122 | 92  | 73                        | 61  |  |
| 03          | UC           | 1              | 0,69            | 118                                       | 104 | 83  | 69  | 55  | 41  | 33                        | 28  | 50%<br>2.5-8.0 BAR<br>Ref # G-1778                       |
|             | UC           | 1,5            | 0,85            | 146                                       | 128 | 102 | 85  | 68  | 51  | 41                        | 34  |  |
|             | XC           | 2              | 0,98            | 168                                       | 147 | 118 | 98  | 78  | 59  | 47                        | 39  |  |
|             | C            | 3              | 1,20            | 206                                       | 180 | 144 | 120 | 96  | 72  | 58                        | 48  |  |
|             | C            | 4              | 1,39            | 238                                       | 209 | 167 | 139 | 111 | 83  | 67                        | 56  |  |
|             | M            | 5              | 1,55            | 266                                       | 233 | 186 | 155 | 124 | 93  | 74                        | 62  |  |
|             | M            | 6              | 1,70            | 291                                       | 255 | 204 | 170 | 136 | 102 | 82                        | 68  |  |
|             | M            | 7              | 1,83            | 314                                       | 275 | 220 | 183 | 146 | 110 | 88                        | 73  |  |
| 04          | UC           | 1              | 0,92            | 158                                       | 138 | 110 | 92  | 74  | 55  | 44                        | 37  | 90%<br>2.5-3.0 BAR<br>75%<br>3.1-8.0 BAR<br>Ref # G-1779 |
|             | UC           | 1,5            | 1,13            | 194                                       | 170 | 136 | 113 | 90  | 68  | 54                        | 45  |  |
|             | UC           | 2              | 1,31            | 225                                       | 197 | 157 | 131 | 105 | 79  | 63                        | 52  |  |
|             | XC           | 3              | 1,60            | 274                                       | 240 | 192 | 160 | 128 | 96  | 77                        | 64  |  |
|             | XC           | 4              | 1,85            | 317                                       | 278 | 222 | 185 | 148 | 111 | 89                        | 74  |  |
|             | VC           | 5              | 2,07            | 355                                       | 311 | 248 | 207 | 166 | 124 | 99                        | 83  |  |
|             | VC           | 6              | 2,26            | 387                                       | 339 | 271 | 226 | 181 | 136 | 108                       | 90  |  |
|             | C            | 7              | 2,44            | 418                                       | 366 | 293 | 244 | 195 | 146 | 117                       | 98  |  |
| 05          | UC           | 1              | 1,15            | 197                                       | 173 | 138 | 115 | 92  | 69  | 55                        | 46  | 90%<br>2.5-8.0 BAR<br>Ref # G-1780                       |
|             | UC           | 1,5            | 1,41            | 242                                       | 212 | 169 | 141 | 113 | 85  | 68                        | 56  |  |
|             | UC           | 2              | 1,63            | 279                                       | 245 | 196 | 163 | 130 | 98  | 78                        | 65  |  |
|             | XC           | 3              | 2,00            | 343                                       | 300 | 240 | 200 | 160 | 120 | 96                        | 80  |  |
|             | XC           | 4              | 2,31            | 396                                       | 347 | 277 | 231 | 185 | 139 | 111                       | 92  |  |
|             | VC           | 5              | 2,58            | 442                                       | 387 | 310 | 258 | 206 | 155 | 124                       | 103 |  |
|             | VC           | 6              | 2,83            | 485                                       | 425 | 340 | 283 | 226 | 170 | 136                       | 113 |  |
|             | C            | 7              | 3,06            | 525                                       | 459 | 367 | 306 | 245 | 184 | 147                       | 122 |  |
| 06          | UC           | 1              | 1,39            | 238                                       | 209 | 167 | 139 | 111 | 83  | 67                        | 56  | JKI  |
|             | UC           | 1,5            | 1,70            | 291                                       | 255 | 204 | 170 | 136 | 102 | 82                        | 68  |  |
|             | UC           | 2              | 1,96            | 336                                       | 294 | 235 | 196 | 157 | 118 | 94                        | 78  |  |
|             | XC           | 3              | 2,40            | 411                                       | 360 | 288 | 240 | 192 | 144 | 115                       | 96  |  |
|             | VC           | 4              | 2,77            | 475                                       | 416 | 332 | 277 | 222 | 166 | 133                       | 111 |  |
|             | C            | 5              | 3,10            | 531                                       | 465 | 372 | 310 | 248 | 186 | 149                       | 124 |  |
|             | C            | 6              | 3,39            | 581                                       | 509 | 407 | 339 | 271 | 203 | 163                       | 136 |  |
|             | M            | 7              | 3,67            | 629                                       | 551 | 440 | 367 | 294 | 220 | 176                       | 147 |  |
| 08          | UC           | 1              | 1,85            | 317                                       | 278 | 222 | 185 | 148 | 111 | 89                        | 74  | JKI  |
|             | UC           | 1,5            | 2,26            | 387                                       | 339 | 271 | 226 | 181 | 136 | 108                       | 90  |  |
|             | UC           | 2              | 2,61            | 447                                       | 392 | 313 | 261 | 209 | 157 | 125                       | 104 |  |
|             | VC           | 3              | 3,20            | 549                                       | 480 | 384 | 320 | 256 | 192 | 154                       | 128 |  |
|             | C            | 4              | 3,70            | 634                                       | 555 | 444 | 370 | 296 | 222 | 178                       | 148 |  |
|             | C            | 5              | 4,13            | 708                                       | 620 | 496 | 413 | 330 | 248 | 198                       | 165 |  |
|             | M            | 6              | 4,53            | 777                                       | 680 | 544 | 453 | 362 | 272 | 217                       | 181 |  |
|             | M            | 7              | 4,89            | 838                                       | 734 | 587 | 489 | 391 | 293 | 235                       | 196 |  |

Droplet size based on ASABE S572.1 standard

| Features                   |                           |
|----------------------------|---------------------------|
| Common Use                 | Weeds                     |
| Pattern                    | Tapered Flat Fan          |
| Technology                 | Air Induction             |
| Material                   | Polyacetal                |
| Spray Angle                | 120°                      |
| Pressure Range             | 20-115 PSI (1-8 BAR)      |
| Configuration              | Nozzles, FastCap Complete |
| Optimum Boom Height        |                           |
| 15" (35 cm) Spacing        | 13" (33 cm)               |
| 20" (50 cm) Spacing        | 18" (46 cm)               |
| Part Numbers               |                           |
| Nozzles 120°               | FastCap 120°              |
| ULD120-015                 | FC-ULD120-015*            |
| ULD120-02                  | FC-ULD120-02*             |
| ULD120-025                 | FC-ULD120-025*            |
| ULD120-03                  | FC-ULD120-03*             |
| ULD120-04                  | FC-ULD120-04*             |
| ULD120-05                  | FC-ULD120-05*             |
| ULD120-06                  | FC-ULD120-06*             |
| ULD120-08                  | FC-ULD120-08*             |
| Replacement Strainers      |                           |
| TS01-100                   | 100 mesh strainer         |
| TS01-50                    | 50 mesh strainer          |
| Replacement FastCap Gasket |                           |
| 1700-0255                  |                           |

\* FastCap version contain nozzle filters



# GuardianAIR Twin 110<sup>o</sup>

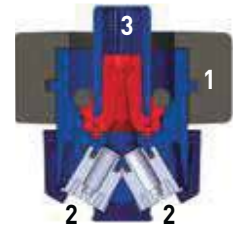
GuardianAIR Twin spray nozzles are the best choice for high coverage applications where on-target spray delivery is important. They are ideal for low crops with complex canopies, such as vegetables, where thorough coverage of the target and protection of the surroundings are of high importance.



- High-coverage forward and rear facing fans help penetrate complex canopies
- Engineered to provide better coverage with more drops per gallon or litre compared to other air-induced sprays
- Easy-to-install, patent-pending locking ring and o-ring seal design
- FastCap complete includes nozzle, cap, gasket and is available with or without a filter

## US Units

| Nozzle Size | Droplet Size | Pressure (PSI) | Flow Rate (GPM) | Gallons per Acre 20 inch nozzle spacing |      |      |      |      |      |      |      | GAL/1000ft <sup>2</sup> |      |      |      |
|-------------|--------------|----------------|-----------------|---|------|------|------|------|------|------|------|-------------------------|------|------|------|
|             |              |                |                 | MPH                                     |      |      |      |      |      |      |      | 20 inch nozzle spacing  |      |      |      |
|             |              |                |                 | 4                                       | 5    | 6    | 8    | 10   | 12   | 15   | 20   | 2                       | 3    | 4    | 5    |
| 02          | C            | 30             | 0.17            | 12.6                                    | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58                    | 0.39 | 0.29 | 0.23 |
|             | M            | 40             | 0.20            | 14.9                                    | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68                    | 0.45 | 0.34 | 0.27 |
|             | M            | 50             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75                    | 0.50 | 0.38 | 0.30 |
|             | M            | 60             | 0.24            | 17.8                                    | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82                    | 0.55 | 0.41 | 0.33 |
|             | M            | 70             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89                    | 0.59 | 0.44 | 0.35 |
|             | M            | 80             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95                    | 0.64 | 0.48 | 0.38 |
|             | M            | 90             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02                    | 0.68 | 0.51 | 0.41 |
|             | F            | 100            | 0.32            | 23.8                                    | 19.0 | 15.8 | 11.9 | 9.5  | 7.9  | 6.3  | 4.8  | 1.09                    | 0.73 | 0.55 | 0.44 |
| F           | 115          | 0.34           | 25.2            | 20.2                                    | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0  | 1.16 | 0.77                    | 0.58 | 0.46 |      |
| 025         | UC           | 30             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75                    | 0.50 | 0.38 | 0.30 |
|             | VC           | 40             | 0.25            | 18.6                                    | 14.9 | 12.4 | 9.3  | 7.4  | 6.2  | 5.0  | 3.7  | 0.85                    | 0.57 | 0.43 | 0.34 |
|             | C            | 50             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95                    | 0.64 | 0.48 | 0.38 |
|             | M            | 60             | 0.31            | 23.0                                    | 18.4 | 15.3 | 11.5 | 9.2  | 7.7  | 6.1  | 4.6  | 1.06                    | 0.70 | 0.53 | 0.42 |
|             | M            | 70             | 0.33            | 24.5                                    | 19.6 | 16.3 | 12.3 | 9.8  | 8.2  | 6.5  | 4.9  | 1.13                    | 0.75 | 0.56 | 0.45 |
|             | M            | 80             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19                    | 0.80 | 0.60 | 0.48 |
|             | M            | 90             | 0.38            | 28.2                                    | 22.6 | 18.8 | 14.1 | 11.3 | 9.4  | 7.5  | 5.6  | 1.30                    | 0.86 | 0.65 | 0.52 |
|             | M            | 100            | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36                    | 0.91 | 0.68 | 0.55 |
| M           | 115          | 0.42           | 31.2            | 24.9                                    | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43 | 0.95                    | 0.72 | 0.57 |      |
| 03          | VC           | 30             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89                    | 0.59 | 0.44 | 0.35 |
|             | C            | 40             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02                    | 0.68 | 0.51 | 0.41 |
|             | M            | 50             | 0.34            | 25.2                                    | 20.2 | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0  | 1.16                    | 0.77 | 0.58 | 0.46 |
|             | M            | 60             | 0.37            | 27.5                                    | 22.0 | 18.3 | 13.7 | 11.0 | 9.2  | 7.3  | 5.5  | 1.26                    | 0.84 | 0.63 | 0.50 |
|             | M            | 70             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36                    | 0.91 | 0.68 | 0.55 |
|             | M            | 80             | 0.42            | 31.2                                    | 24.9 | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43                    | 0.95 | 0.72 | 0.57 |
|             | M            | 90             | 0.45            | 33.4                                    | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53                    | 1.02 | 0.77 | 0.61 |
|             | M            | 100            | 0.47            | 34.9                                    | 27.9 | 23.3 | 17.4 | 14.0 | 11.6 | 9.3  | 7.0  | 1.60                    | 1.07 | 0.80 | 0.64 |
| M           | 115          | 0.51           | 37.9            | 30.3                                    | 25.2 | 18.9 | 15.1 | 12.6 | 10.1 | 7.6  | 1.74 | 1.16                    | 0.87 | 0.70 |      |
| 035         | XC           | 30             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02                    | 0.68 | 0.51 | 0.41 |
|             | C            | 40             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19                    | 0.80 | 0.60 | 0.48 |
|             | C            | 50             | 0.39            | 29.0                                    | 23.2 | 19.3 | 14.5 | 11.6 | 9.7  | 7.7  | 5.8  | 1.33                    | 0.89 | 0.66 | 0.53 |
|             | M            | 60             | 0.43            | 31.9                                    | 25.5 | 21.3 | 16.0 | 12.8 | 10.6 | 8.5  | 6.4  | 1.47                    | 0.98 | 0.73 | 0.59 |
|             | M            | 70             | 0.46            | 34.2                                    | 27.3 | 22.8 | 17.1 | 13.7 | 11.4 | 9.1  | 6.8  | 1.57                    | 1.05 | 0.78 | 0.63 |
|             | M            | 80             | 0.49            | 36.4                                    | 29.1 | 24.3 | 18.2 | 14.6 | 12.1 | 9.7  | 7.3  | 1.67                    | 1.11 | 0.84 | 0.67 |
|             | M            | 90             | 0.53            | 39.4                                    | 31.5 | 26.2 | 19.7 | 15.7 | 13.1 | 10.5 | 7.9  | 1.81                    | 1.20 | 0.90 | 0.72 |
|             | M            | 100            | 0.55            | 40.8                                    | 32.7 | 27.2 | 20.4 | 16.3 | 13.6 | 10.9 | 8.2  | 1.88                    | 1.25 | 0.94 | 0.75 |
| M           | 115          | 0.59           | 43.8            | 35.0                                    | 29.2 | 21.9 | 17.5 | 14.6 | 11.7 | 8.8  | 2.01 | 1.34                    | 1.01 | 0.80 |      |
| 04          | VC           | 30             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19                    | 0.80 | 0.60 | 0.48 |
|             | C            | 40             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36                    | 0.91 | 0.68 | 0.55 |
|             | C            | 50             | 0.45            | 33.4                                    | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53                    | 1.02 | 0.77 | 0.61 |
|             | M            | 60             | 0.49            | 36.4                                    | 29.1 | 24.3 | 18.2 | 14.6 | 12.1 | 9.7  | 7.3  | 1.67                    | 1.11 | 0.84 | 0.67 |
|             | M            | 70             | 0.53            | 39.4                                    | 31.5 | 26.2 | 19.7 | 15.7 | 13.1 | 10.5 | 7.9  | 1.81                    | 1.20 | 0.90 | 0.72 |
|             | M            | 80             | 0.57            | 42.3                                    | 33.9 | 28.2 | 21.2 | 16.9 | 14.1 | 11.3 | 8.5  | 1.94                    | 1.30 | 0.97 | 0.78 |
|             | M            | 90             | 0.60            | 44.6                                    | 35.6 | 29.7 | 22.3 | 17.8 | 14.9 | 11.9 | 8.9  | 2.05                    | 1.36 | 1.02 | 0.82 |
|             | M            | 100            | 0.63            | 46.8                                    | 37.4 | 31.2 | 23.4 | 18.7 | 15.6 | 12.5 | 9.4  | 2.15                    | 1.43 | 1.07 | 0.86 |
| M           | 115          | 0.68           | 50.5            | 40.4                                    | 33.7 | 25.2 | 20.2 | 16.8 | 13.5 | 10.1 | 2.32 | 1.55                    | 1.16 | 0.93 |      |
| 05          | VC           | 30             | 0.43            | 31.9                                    | 25.5 | 21.3 | 16.0 | 12.8 | 10.6 | 8.5  | 6.4  | 1.47                    | 0.98 | 0.73 | 0.59 |
|             | C            | 40             | 0.50            | 37.1                                    | 29.7 | 24.8 | 18.6 | 14.9 | 12.4 | 9.9  | 7.4  | 1.71                    | 1.14 | 0.85 | 0.68 |
|             | C            | 50             | 0.56            | 41.6                                    | 33.3 | 27.7 | 20.8 | 16.6 | 13.9 | 11.1 | 8.3  | 1.91                    | 1.27 | 0.95 | 0.76 |
|             | M            | 60             | 0.61            | 45.3                                    | 36.2 | 30.2 | 22.6 | 18.1 | 15.1 | 12.1 | 9.1  | 2.08                    | 1.39 | 1.04 | 0.83 |
|             | M            | 70             | 0.66            | 49.0                                    | 39.2 | 32.7 | 24.5 | 19.6 | 16.3 | 13.1 | 9.8  | 2.25                    | 1.50 | 1.13 | 0.90 |
|             | M            | 80             | 0.71            | 52.7                                    | 42.2 | 35.1 | 26.4 | 21.1 | 17.6 | 14.1 | 10.5 | 2.42                    | 1.61 | 1.21 | 0.97 |
|             | M            | 90             | 0.75            | 55.7                                    | 44.6 | 37.1 | 27.8 | 22.3 | 18.6 | 14.9 | 11.1 | 2.56                    | 1.71 | 1.28 | 1.02 |
|             | M            | 100            | 0.79            | 58.7                                    | 46.9 | 39.1 | 29.3 | 23.5 | 19.6 | 15.6 | 11.7 | 2.69                    | 1.80 | 1.35 | 1.08 |
| M           | 115          | 0.85           | 63.1            | 50.5                                    | 42.1 | 31.6 | 25.2 | 21.0 | 16.8 | 12.6 | 2.90 | 1.93                    | 1.45 | 1.16 |      |
| 06          | XC           | 30             | 0.52            | 38.6                                    | 30.9 | 25.7 | 19.3 | 15.4 | 12.9 | 10.3 | 7.7  | 1.77                    | 1.18 | 0.89 | 0.71 |
|             | C            | 40             | 0.60            | 44.6                                    | 35.6 | 29.7 | 22.3 | 17.8 | 14.9 | 11.9 | 8.9  | 2.05                    | 1.36 | 1.02 | 0.82 |
|             | C            | 50             | 0.67            | 49.7                                    | 39.8 | 33.2 | 24.9 | 19.9 | 16.6 | 13.3 | 9.9  | 2.28                    | 1.52 | 1.14 | 0.91 |
|             | C            | 60             | 0.73            | 54.2                                    | 43.4 | 36.1 | 27.1 | 21.7 | 18.1 | 14.5 | 10.8 | 2.49                    | 1.66 | 1.24 | 1.00 |
|             | M            | 70             | 0.79            | 58.7                                    | 46.9 | 39.1 | 29.3 | 23.5 | 19.6 | 15.6 | 11.7 | 2.69                    | 1.80 | 1.35 | 1.08 |
|             | M            | 80             | 0.85            | 63.1                                    | 50.5 | 42.1 | 31.6 | 25.2 | 21.0 | 16.8 | 12.6 | 2.90                    | 1.93 | 1.45 | 1.16 |
|             | M            | 90             | 0.90            | 66.8                                    | 53.5 | 44.6 | 33.4 | 26.7 | 22.3 | 17.8 | 13.4 | 3.07                    | 2.05 | 1.53 | 1.23 |
|             | M            | 100            | 0.95            | 70.5                                    | 56.4 | 47.0 | 35.3 | 28.2 | 23.5 | 18.8 | 14.1 | 3.24                    | 2.16 | 1.62 | 1.30 |
| M           | 115          | 1.02           | 75.7            | 60.6                                    | 50.5 | 37.9 | 30.3 | 25.2 | 20.2 | 15.1 | 3.48 | 2.32                    | 1.74 | 1.39 |      |
| 08          | VC           | 30             | 0.69            | 51.2                                    | 41.0 | 34.2 | 25.6 | 20.5 | 17.1 | 13.7 | 10.2 | 2.35                    | 1.57 | 1.18 | 0.94 |
|             | C            | 40             | 0.80            | 59.4                                    | 47.5 | 39.6 | 29.7 | 23.8 | 19.8 | 15.8 | 11.9 | 2.73                    | 1.82 | 1.36 | 1.09 |
|             | C            | 50             | 0.89            | 66.1                                    | 52.9 | 44.1 | 33.0 | 26.4 | 22.0 | 17.6 | 13.2 | 3.03                    | 2.02 | 1.52 | 1.21 |
|             | C            | 60             | 0.98            | 72.8                                    | 58.2 | 48.5 | 36.4 | 29.1 | 24.3 | 19.4 | 14.6 | 3.34                    | 2.23 | 1.67 | 1.34 |
|             | M            | 70             | 1.06            | 78.7                                    | 63.0 | 52.5 | 39.4 | 31.5 | 26.2 | 21.0 | 15.7 | 3.61                    | 2.41 | 1.81 | 1.45 |
|             | M            | 80             | 1.13            | 83.9                                    | 67.1 | 55.9 | 42.0 | 33.6 | 28.0 | 22.4 | 16.8 | 3.85                    | 2.57 | 1.93 | 1.54 |
|             | M            | 90             | 1.20            | 89.1                                    | 71.3 | 59.4 | 44.6 | 35.6 | 29.7 | 23.8 | 17.8 | 4.09                    | 2.73 | 2.05 | 1.64 |
|             | M            | 100            | 1.26            | 93.6                                    | 74.8 | 62.4 | 46.8 | 37.4 | 31.2 | 24.9 | 18.7 | 4.30                    | 2.86 | 2.15 | 1.72 |
| M           | 115          | 1.36           | 101             | 80.8                                    | 67.3 | 50.5 | 40.4 | 33.7 | 26.9 | 20.2 | 4.64 | 3.09                    | 2.32 | 1.86 |      |



1. Integrated Locking Collar allows for precise and easy installation
2. Twin Air Induced spray patterns [30° offset] for superior coverage
3. Available with or without filter options



110° air inducted spray pattern for class leading coverage on a variety of targets.



Sturdy twin 30° incline/decline patterns provide superior canopy penetration through pattern integrity.



**Z.N.T.**

See [www.hypospraytips.com/certifications](http://www.hypospraytips.com/certifications) for the latest drift reduction standard information.

**Metric Units**

| Nozzle Size | Droplet Size | Pressure (BAR) | Flow Rate (LPM) | Application Rate L/Ha - 50 cm Spacing<br>KM/H |     |     |     |     |     |     |     | Drift Reduction Standards                                   |  |                    |
|-------------|--------------|----------------|-----------------|---|-----|-----|-----|-----|-----|-----|-----|---|--|--------------------|
|             |              |                |                 | 7   | 8   | 10  | 12  | 15  | 20  | 25  | 30  | LERAP   | JKI  | Z.N.T.             |
| 02          | C            | 2              | 0,65            | 111   | 98  | 78  | 65  | 52  | 39  | 21  | 26  | ★★<br>50-75%<br>2.0-2.25 BAR<br>★<br>25-50%<br>2.25-2.5 BAR |  | 66%<br>2.0-2.5 BAR |
|             | M            | 3              | 0,80            | 137   | 120 | 96  | 80  | 64  | 48  | 38  | 32  |   |  |                    |
|             | M            | 4              | 0,92            | 158   | 138 | 110 | 92  | 74  | 55  | 44  | 37  |   |  |                    |
|             | M            | 5              | 1,03            | 177   | 155 | 124 | 103 | 82  | 62  | 49  | 41  |   |  |                    |
|             | M            | 6              | 1,13            | 194   | 170 | 136 | 113 | 90  | 68  | 54  | 45  |   |  |                    |
|             | F            | 7              | 1,22            | 209   | 183 | 146 | 122 | 98  | 73  | 59  | 49  |   |  |                    |
| 025         | UC           | 2              | 0,82            | 141   | 123 | 98  | 82  | 66  | 49  | 39  | 33  | ★★<br>50-75%<br>2.0-2.25 BAR<br>★<br>25-50%<br>2.25-2.5 BAR | 50%<br>2.0-2.5 BAR<br>Ref # G-1872                       | 66%<br>2.0-2.5 BAR |
|             | VC           | 3              | 1,00            | 171   | 150 | 120 | 100 | 80  | 60  | 48  | 40  |   |  |                    |
|             | M            | 4              | 1,15            | 197   | 173 | 138 | 115 | 92  | 69  | 55  | 46  |   |  |                    |
|             | M            | 5              | 1,29            | 221   | 194 | 155 | 129 | 103 | 77  | 62  | 52  |   |  |                    |
|             | M            | 6              | 1,41            | 242   | 212 | 169 | 141 | 113 | 85  | 68  | 56  |   |  |                    |
|             | M            | 7              | 1,53            | 262   | 230 | 184 | 153 | 122 | 92  | 73  | 61  |   |  |                    |
| 03          | VC           | 2              | 0,98            | 168   | 147 | 118 | 98  | 78  | 59  | 47  | 39  | ★★<br>50-75%<br>2.0-3.0 BAR<br>★<br>25-50%<br>3.0-4.0 BAR   | 50%<br>2.0-3.0 BAR<br>Ref # G-1874                       | 66%<br>2.0-3.0 BAR |
|             | C            | 3              | 1,20            | 206   | 180 | 144 | 120 | 96  | 72  | 58  | 48  |   |  |                    |
|             | M            | 4              | 1,39            | 238   | 209 | 167 | 139 | 111 | 83  | 67  | 56  |   |  |                    |
|             | M            | 5              | 1,55            | 266   | 233 | 186 | 155 | 124 | 93  | 74  | 62  |   |  |                    |
|             | M            | 6              | 1,70            | 291   | 255 | 204 | 170 | 136 | 102 | 82  | 68  |   |  |                    |
|             | M            | 7              | 1,83            | 314   | 275 | 220 | 183 | 146 | 110 | 88  | 73  |   |  |                    |
| 035         | XC           | 2              | 1,14            | 195   | 171 | 137 | 114 | 91  | 68  | 55  | 46  | ★★<br>50-75%<br>2.0-2.5 BAR                                 | 75%<br>1.5-2.0 BAR<br>50%<br>2.1-3.0 BAR<br>Ref # G-1988 |                    |
|             | C            | 3              | 1,40            | 240   | 210 | 168 | 140 | 112 | 84  | 67  | 56  |   |  |                    |
|             | M            | 4              | 1,62            | 278   | 243 | 194 | 162 | 130 | 97  | 78  | 65  |   |  |                    |
|             | M            | 5              | 1,81            | 310   | 272 | 217 | 181 | 145 | 109 | 87  | 72  |   |  |                    |
|             | M            | 6              | 1,98            | 339   | 297 | 238 | 198 | 158 | 119 | 95  | 79  |   |  |                    |
|             | M            | 7              | 2,14            | 367   | 321 | 257 | 214 | 171 | 128 | 103 | 86  |   |  |                    |
| 04          | VC           | 2              | 1,31            | 225   | 197 | 157 | 131 | 105 | 79  | 63  | 52  | ★<br>25-50%<br>2.0-3.0 BAR                                  | 50%<br>2.0-2.5 BAR<br>Ref # G-1875                       | 66%<br>2.0-3.0 BAR |
|             | C            | 3              | 1,60            | 274   | 240 | 192 | 160 | 128 | 96  | 77  | 64  |   |  |                    |
|             | M            | 4              | 1,85            | 317   | 278 | 222 | 185 | 148 | 111 | 89  | 74  |   |  |                    |
|             | M            | 5              | 2,07            | 355   | 311 | 248 | 207 | 166 | 124 | 99  | 83  |   |  |                    |
|             | M            | 6              | 2,26            | 387   | 339 | 271 | 226 | 181 | 136 | 108 | 90  |   |  |                    |
|             | M            | 7              | 2,44            | 418   | 366 | 293 | 244 | 195 | 146 | 117 | 98  |   |  |                    |
| 05          | VC           | 2              | 1,63            | 279   | 245 | 196 | 163 | 130 | 98  | 78  | 65  | ★★<br>50-75%<br>2.0-3.0 BAR<br>★<br>25-50%<br>3.0-3.5 BAR   | 50%<br>2.0-3.0 BAR<br>Ref # G-1876                       | 66%<br>2.0-3.0 BAR |
|             | C            | 3              | 2,00            | 343   | 300 | 240 | 200 | 160 | 120 | 96  | 80  |   |  |                    |
|             | M            | 4              | 2,31            | 396   | 347 | 277 | 231 | 185 | 139 | 111 | 92  |   |  |                    |
|             | M            | 5              | 2,58            | 442   | 387 | 310 | 258 | 206 | 155 | 124 | 103 |   |  |                    |
|             | M            | 6              | 2,83            | 485   | 425 | 340 | 283 | 226 | 170 | 136 | 113 |   |  |                    |
|             | M            | 7              | 3,06            | 525   | 459 | 367 | 306 | 245 | 184 | 147 | 122 |   |  |                    |
| 06          | XC           | 2              | 1,96            | 336   | 294 | 235 | 196 | 157 | 118 | 94  | 78  | ★★<br>50-75%<br>2.0-3.0 BAR<br>★<br>25-50%<br>3.0-3.5 BAR   | 50%<br>2.0-4.0 BAR<br>Ref # G-1877                       | 66%<br>2.0-3.0 BAR |
|             | C            | 3              | 2,40            | 411   | 360 | 288 | 240 | 192 | 144 | 115 | 96  |   |  |                    |
|             | C            | 4              | 2,77            | 475   | 416 | 332 | 277 | 222 | 166 | 133 | 111 |   |  |                    |
|             | M            | 5              | 3,10            | 531   | 465 | 372 | 310 | 248 | 186 | 149 | 124 |   |  |                    |
|             | M            | 6              | 3,39            | 581   | 509 | 407 | 339 | 271 | 203 | 163 | 136 |   |  |                    |
|             | M            | 7              | 3,67            | 629   | 551 | 440 | 367 | 294 | 220 | 176 | 147 |   |  |                    |
| 08          | VC           | 2              | 2,61            | 447   | 392 | 313 | 261 | 209 | 157 | 125 | 104 | ★★<br>50-75%<br>2.0-3.0 BAR<br>★<br>25-50%<br>3.0-4.0 BAR   | 50%<br>2.0-6.0 BAR<br>Ref # G-1878                       | 66%<br>2.0-3.0 BAR |
|             | C            | 3              | 3,20            | 549   | 480 | 384 | 320 | 256 | 192 | 154 | 128 |   |  |                    |
|             | C            | 4              | 3,70            | 634   | 555 | 444 | 370 | 296 | 222 | 178 | 148 |   |  |                    |
|             | M            | 5              | 4,13            | 708   | 620 | 496 | 413 | 330 | 248 | 198 | 165 |   |  |                    |
|             | M            | 6              | 4,53            | 777   | 680 | 544 | 453 | 362 | 272 | 217 | 181 |   |  |                    |
|             | M            | 7              | 4,89            | 838   | 734 | 587 | 489 | 391 | 293 | 235 | 196 |   |  |                    |
| 08          | M            | 8              | 5,23            | 897   | 785 | 628 | 523 | 418 | 314 | 251 | 209 |   |  |                    |

Droplet size based on ASABE S572.1 standard.  
Use at 3 bar for optimum coverage.

| Features                  |  |
|---------------------------|--|
| Common Use                | Plant Health                             |
| Pattern                   | Tapered Flat Fan                         |
| Technology                | Air Induction                            |
| Material                  | Polyacetal                               |
| Spray Angle               | 110°                                     |
| Pressure Range            | 30-115 PSI (2-8 BAR)                     |
| Configuration             | FastCap Complete                         |
| Optimum Boom Height       |  |
| 15" (35 cm) Spacing       | 13" (33 cm)                              |
| 20" (50 cm) Spacing       | 18" (46 cm)                              |
| Part Numbers              |  |
| FastCaps 110° with filter | FastCaps 110° without filter             |
| GAT110-02                 | GAT110-02A                               |
| GAT110-025                | GAT110-025A                              |
| GAT110-03                 | GAT110-03A                               |
| GAT110-035                | GAT110-035A                              |
| GAT110-04                 | GAT110-04A                               |
| GAT110-05                 | GAT110-05A                               |
| GAT110-06                 | GAT110-06A                               |
| GAT110-08                 | GAT110-08A                               |
| Replacement Parts         |  |
| TS02-50                   | 50 mesh strainer for all sizes           |
| 65-BS205                  | O-Ring                                   |
| 30Q3579A                  | Replaceable cage for non-filter versions |



# Ceramic AVI Twin 110<sup>o</sup>



The Albus<sup>®</sup> AVI Twin (ATW) brings drift control and coverage together. Using proven AVI technology, the AVI Twin draws air into the nozzle, mixing it with the spray to create a twin spray of drift resistant air-filled droplets. Drift is greatly reduced, spraying the canopy with dual trajectories to improve coverage.

- Coverage-enhancing twin patterns from a single nozzle
- Drift-reducing AVI venturi technology
- 60-degrees of separation between fans
- Pressures from 40 to 100 psi (3-7 bar)
- Wear-resistant Albus ceramic orifices

## US Units

| Nozzle Size | Droplet Size | Pressure (PSI) | Flow Rate (GPM) | Gallons per Acre 20 inch nozzle spacing MPH |      |      |      |      |      |      |      | GAL/1000 ft <sup>2</sup> 20 inch nozzle spacing |      |      |      |
|-------------|--------------|----------------|-----------------|---|------|------|------|------|------|------|------|---|------|------|------|
|             |              |                |                 | 4   | 5    | 6    | 8    | 10   | 12   | 15   | 20   | 2   | 3    | 4    | 5    |
| 01          | XC           | 40             | 0.10            | 7.4   | 5.9  | 5.0  | 3.7  | 3.0  | 2.5  | 2.0  | 1.5  | 0.34  | 0.23 | 0.17 | 0.14 |
|             | XC           | 50             | 0.11            | 8.2   | 6.5  | 5.4  | 4.1  | 3.3  | 2.7  | 2.2  | 1.6  | 0.38  | 0.25 | 0.19 | 0.15 |
|             | XC           | 60             | 0.12            | 8.9   | 7.1  | 5.9  | 4.5  | 3.6  | 3.0  | 2.4  | 1.8  | 0.41  | 0.27 | 0.20 | 0.16 |
|             | C            | 70             | 0.13            | 9.7   | 7.7  | 6.4  | 4.8  | 3.9  | 3.2  | 2.6  | 1.9  | 0.44  | 0.30 | 0.22 | 0.18 |
|             | C            | 80             | 0.14            | 10.4  | 8.3  | 6.9  | 5.2  | 4.2  | 3.5  | 2.8  | 2.1  | 0.48  | 0.32 | 0.24 | 0.19 |
|             | C            | 90             | 0.15            | 11.1  | 8.9  | 7.4  | 5.6  | 4.5  | 3.7  | 3.0  | 2.2  | 0.51  | 0.34 | 0.26 | 0.20 |
| 015         | C            | 100            | 0.16            | 11.9  | 9.5  | 7.9  | 5.9  | 4.8  | 4.0  | 3.2  | 2.4  | 0.55  | 0.36 | 0.27 | 0.22 |
|             | XC           | 40             | 0.15            | 11.1  | 8.9  | 7.4  | 5.6  | 4.5  | 3.7  | 3.0  | 2.2  | 0.51  | 0.34 | 0.26 | 0.20 |
|             | XC           | 50             | 0.17            | 12.6  | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58  | 0.39 | 0.29 | 0.23 |
|             | XC           | 60             | 0.18            | 13.4  | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7  | 0.61  | 0.41 | 0.31 | 0.25 |
|             | C            | 70             | 0.20            | 14.9  | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68  | 0.45 | 0.34 | 0.27 |
|             | C            | 80             | 0.21            | 15.6  | 12.5 | 10.4 | 7.8  | 6.2  | 5.2  | 4.2  | 3.1  | 0.72  | 0.48 | 0.36 | 0.29 |
| 02          | C            | 90             | 0.23            | 17.1  | 13.7 | 11.4 | 8.5  | 6.8  | 5.7  | 4.6  | 3.4  | 0.78  | 0.52 | 0.39 | 0.31 |
|             | C            | 100            | 0.24            | 17.8  | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82  | 0.55 | 0.41 | 0.33 |
|             | XC           | 40             | 0.20            | 14.9  | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68  | 0.45 | 0.34 | 0.27 |
|             | XC           | 50             | 0.22            | 16.3  | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75  | 0.50 | 0.38 | 0.30 |
|             | XC           | 60             | 0.24            | 17.8  | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82  | 0.55 | 0.41 | 0.33 |
|             | C            | 70             | 0.26            | 19.3  | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89  | 0.59 | 0.44 | 0.35 |
| 03          | C            | 80             | 0.28            | 20.8  | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95  | 0.64 | 0.48 | 0.38 |
|             | C            | 90             | 0.30            | 22.3  | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02  | 0.68 | 0.51 | 0.41 |
|             | C            | 100            | 0.32            | 23.8  | 19.0 | 15.8 | 11.9 | 9.5  | 7.9  | 6.3  | 4.8  | 1.09  | 0.73 | 0.55 | 0.44 |
|             | XC           | 40             | 0.30            | 22.3  | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02  | 0.68 | 0.51 | 0.41 |
|             | XC           | 50             | 0.34            | 25.2  | 20.2 | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0  | 1.16  | 0.77 | 0.58 | 0.46 |
|             | XC           | 60             | 0.37            | 27.5  | 22.0 | 18.3 | 13.7 | 11.0 | 9.2  | 7.3  | 5.5  | 1.26  | 0.84 | 0.63 | 0.50 |
| 04          | VC           | 70             | 0.40            | 29.7  | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36  | 0.91 | 0.68 | 0.55 |
|             | VC           | 80             | 0.42            | 31.2  | 24.9 | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43  | 0.95 | 0.72 | 0.57 |
|             | C            | 90             | 0.45            | 33.4  | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53  | 1.02 | 0.77 | 0.61 |
|             | C            | 100            | 0.47            | 34.9  | 27.9 | 23.3 | 17.4 | 14.0 | 11.6 | 9.3  | 7.0  | 1.60  | 1.07 | 0.80 | 0.64 |
|             | XC           | 40             | 0.40            | 29.7  | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36  | 0.91 | 0.68 | 0.55 |
|             | XC           | 50             | 0.45            | 33.4  | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53  | 1.02 | 0.77 | 0.61 |
| 05          | XC           | 60             | 0.49            | 36.4  | 29.1 | 24.3 | 18.2 | 14.6 | 12.1 | 9.7  | 7.3  | 1.67  | 1.11 | 0.84 | 0.67 |
|             | VC           | 70             | 0.53            | 39.4  | 31.5 | 26.2 | 19.7 | 15.7 | 13.1 | 10.5 | 7.9  | 1.81  | 1.20 | 0.90 | 0.72 |
|             | VC           | 80             | 0.57            | 42.3  | 33.9 | 28.2 | 21.2 | 16.9 | 14.1 | 11.3 | 8.5  | 1.94  | 1.30 | 0.97 | 0.78 |
|             | C            | 90             | 0.60            | 44.6  | 35.6 | 29.7 | 22.3 | 17.8 | 14.9 | 11.9 | 8.9  | 2.05  | 1.36 | 1.02 | 0.82 |
|             | C            | 100            | 0.63            | 46.8  | 37.4 | 31.2 | 23.4 | 18.7 | 15.6 | 12.5 | 9.4  | 2.15  | 1.43 | 1.07 | 0.86 |
|             | XC           | 40             | 0.50            | 37.1  | 29.7 | 24.8 | 18.6 | 14.9 | 12.4 | 9.9  | 7.4  | 1.71  | 1.14 | 0.85 | 0.68 |
| XC          | 50           | 0.56           | 41.6            | 33.3  | 27.7 | 20.8 | 16.6 | 13.9 | 11.1 | 8.3  | 1.91 | 1.27  | 0.95 | 0.76 |      |
| 05          | XC           | 60             | 0.61            | 45.3  | 36.2 | 30.2 | 22.6 | 18.1 | 15.1 | 12.1 | 9.1  | 2.08  | 1.39 | 1.04 | 0.83 |
|             | VC           | 70             | 0.66            | 49.0  | 39.2 | 32.7 | 24.5 | 19.6 | 16.3 | 13.1 | 9.8  | 2.25  | 1.50 | 1.13 | 0.90 |
|             | VC           | 80             | 0.71            | 52.7  | 42.2 | 35.1 | 26.4 | 21.1 | 17.6 | 14.1 | 10.5 | 2.42  | 1.61 | 1.21 | 0.97 |
|             | C            | 90             | 0.75            | 55.7  | 44.6 | 37.1 | 27.8 | 22.3 | 18.6 | 14.9 | 11.1 | 2.56  | 1.71 | 1.28 | 1.02 |
|             | C            | 100            | 0.79            | 58.7  | 46.9 | 39.1 | 29.3 | 23.5 | 19.6 | 15.6 | 11.7 | 2.69  | 1.80 | 1.35 | 1.08 |

Droplet size based on ASABE S572.1 standard.



**Metric Units**

| Nozzle Size | Droplet Size 110° | Pressure (bar) | Flow (L/min) | Application Rate L/Ha- 50 cm Spacing |     |     |     |     |     |     |     |     |     |
|-------------|-------------------|----------------|--------------|--------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|             |                   |                |              | KM/H                                 |     |     |     |     |     |     |     |     |     |
|             |                   |                |              | 6                                    | 8   | 10  | 12  | 14  | 16  | 18  | 20  | 25  | 30  |
| 01          | XC                | 3              | 0.40         | 105                                  | 79  | 63  | 53  | 45  | 39  | 35  | 32  | 25  | 21  |
|             | XC                | 4              | 0.46         | 121                                  | 91  | 73  | 61  | 52  | 45  | 40  | 36  | 29  | 24  |
|             | C                 | 5              | 0.52         | 137                                  | 103 | 82  | 68  | 59  | 51  | 46  | 41  | 33  | 27  |
| 015         | C                 | 6              | 0.57         | 150                                  | 113 | 90  | 75  | 64  | 56  | 50  | 45  | 36  | 30  |
|             | XC                | 3              | 0.60         | 158                                  | 118 | 95  | 79  | 68  | 59  | 53  | 47  | 38  | 32  |
|             | XC                | 4              | 0.69         | 182                                  | 136 | 109 | 91  | 78  | 68  | 61  | 54  | 44  | 36  |
| 02          | C                 | 5              | 0.77         | 203                                  | 152 | 122 | 101 | 87  | 76  | 68  | 61  | 49  | 41  |
|             | C                 | 6              | 0.85         | 224                                  | 168 | 134 | 112 | 96  | 84  | 75  | 67  | 54  | 45  |
|             | XC                | 3              | 0.80         | 211                                  | 158 | 126 | 105 | 90  | 79  | 70  | 63  | 51  | 42  |
| 03          | XC                | 4              | 0.92         | 242                                  | 182 | 145 | 121 | 104 | 91  | 81  | 73  | 58  | 48  |
|             | C                 | 5              | 1.03         | 271                                  | 203 | 163 | 136 | 116 | 102 | 90  | 81  | 65  | 54  |
|             | C                 | 6              | 1.13         | 297                                  | 223 | 178 | 149 | 127 | 112 | 99  | 89  | 71  | 59  |
| 04          | XC                | 3              | 1.20         | 316                                  | 237 | 189 | 158 | 135 | 118 | 105 | 95  | 76  | 63  |
|             | XC                | 4              | 1.39         | 366                                  | 274 | 219 | 183 | 157 | 137 | 122 | 110 | 88  | 73  |
|             | VC                | 5              | 1.55         | 408                                  | 306 | 245 | 204 | 175 | 153 | 136 | 122 | 98  | 82  |
| 05          | C                 | 6              | 1.70         | 447                                  | 336 | 268 | 224 | 192 | 168 | 149 | 134 | 107 | 89  |
|             | XC                | 3              | 1.60         | 421                                  | 316 | 253 | 211 | 180 | 158 | 140 | 126 | 101 | 84  |
|             | XC                | 4              | 1.85         | 487                                  | 365 | 292 | 243 | 209 | 183 | 162 | 146 | 117 | 97  |
| 05          | VC                | 5              | 2.07         | 545                                  | 409 | 327 | 272 | 233 | 204 | 182 | 163 | 131 | 109 |
|             | C                 | 6              | 2.26         | 595                                  | 446 | 357 | 297 | 255 | 223 | 198 | 178 | 143 | 119 |
|             | XC                | 3              | 2.00         | 526                                  | 395 | 316 | 263 | 226 | 197 | 175 | 158 | 126 | 105 |
| 05          | XC                | 4              | 2.31         | 608                                  | 456 | 365 | 304 | 261 | 228 | 203 | 182 | 146 | 122 |
|             | VC                | 5              | 2.58         | 679                                  | 509 | 407 | 339 | 291 | 255 | 226 | 204 | 163 | 136 |
|             | C                 | 6              | 2.83         | 745                                  | 559 | 447 | 372 | 319 | 279 | 248 | 223 | 179 | 149 |

Droplet size based on ASABE S572.1 standard.

| Features                      |                      |
|-------------------------------|----------------------|
| Common Use                    | Plant Health         |
| Pattern                       | Tapered Flat Fan     |
| Technology                    | Air Induction        |
| Material                      | Ceramic              |
| Spray Angle                   | 110°                 |
| Pressure Range                | 40-100 PSI (3-7 BAR) |
| Configuration                 | Nozzles              |
| Optimum Boom Height           |                      |
| 80° - 15°<br>(35 cm) Spacing  | 20" (51 cm)          |
| 80° - 20°<br>(50 cm) Spacing  | 28" (71 cm)          |
| 110° - 15°<br>(35 cm) Spacing | 13" (33 cm)          |
| 110° - 20°<br>(50 cm) Spacing | 18" (46 cm)          |
| Part Numbers                  |                      |
| Nozzles 110°                  | Caps (25 Pack)       |
| ATW-11001                     | CAP01-01             |
| ATW-110015                    | CAP01-015            |
| ATW-11002                     | CAP01-02             |
| ATW-11003                     | CAP01-03             |
| ATW-11004                     | CAP01-04             |
| ATW-11005                     | CAP01-05             |



# GuardianAIR 110°



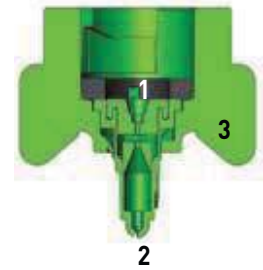
The Hypro GuardianAIR spray nozzle has a unique rearward spray incline provides more uniform coverage. Higher flow nozzles used at faster speeds have a greater spray incline.

- Air-induced sprays reduce drift while increasing droplet deposition and retention on foliage
- Provides better coverage with more drops per gallon or litre compared to other common air-induced spray nozzles
- Speed-optimized spray incline allows more uniform coverage
- Specifically engineered nozzle to maintain droplet spectrum regardless of orifice size
- FastCap includes nozzle, cap and gasket

## US Units

| Nozzle Size | Droplet Size | Pressure (PSI) | Flow Rate (GPM) | Gallons per Acre 20 inch nozzle spacing |      |      |      |      |      |      |      |      |      | GAL/1000 Ft <sup>2</sup> |      |  |  |  |
|-------------|--------------|----------------|-----------------|---|------|------|------|------|------|------|------|------|------|--------------------------|------|--|--|--|
|             |              |                |                 | MPH                                     |      |      |      |      |      |      |      |      |      | 20 inch nozzle spacing   |      |  |  |  |
|             |              |                |                 | 4                                       | 5    | 6    | 8    | 10   | 12   | 15   | 20   | 2    | 3    | 4                        | 5    |  |  |  |
| 015         | UC           | 20             | 0.11            | 8.2                                     | 6.5  | 5.4  | 4.1  | 3.3  | 2.7  | 2.2  | 1.6  | 0.38 | 0.25 | 0.19                     | 0.15 |  |  |  |
|             | XC           | 30             | 0.13            | 9.7                                     | 7.7  | 6.4  | 4.8  | 3.9  | 3.2  | 2.6  | 1.9  | 0.44 | 0.30 | 0.22                     | 0.18 |  |  |  |
|             | C            | 40             | 0.15            | 11.1                                    | 8.9  | 7.4  | 5.6  | 4.5  | 3.7  | 3.0  | 2.2  | 0.51 | 0.34 | 0.26                     | 0.20 |  |  |  |
|             | C            | 50             | 0.17            | 12.6                                    | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58 | 0.39 | 0.29                     | 0.23 |  |  |  |
|             | M            | 60             | 0.18            | 13.4                                    | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7  | 0.61 | 0.41 | 0.31                     | 0.25 |  |  |  |
|             | M            | 70             | 0.20            | 14.9                                    | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68 | 0.45 | 0.34                     | 0.27 |  |  |  |
|             | M            | 80             | 0.21            | 15.6                                    | 12.5 | 10.4 | 7.8  | 6.2  | 5.2  | 4.2  | 3.1  | 0.72 | 0.48 | 0.36                     | 0.29 |  |  |  |
|             | M            | 90             | 0.23            | 17.1                                    | 13.7 | 11.4 | 8.5  | 6.8  | 5.7  | 4.6  | 3.4  | 0.78 | 0.52 | 0.39                     | 0.31 |  |  |  |
|             | M            | 100            | 0.24            | 17.8                                    | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82 | 0.55 | 0.41                     | 0.33 |  |  |  |
|             | M            | 115            | 0.25            | 18.6                                    | 14.9 | 12.4 | 9.3  | 7.4  | 6.2  | 5.0  | 3.7  | 0.85 | 0.57 | 0.43                     | 0.34 |  |  |  |
| 02          | XC           | 20             | 0.14            | 10.4                                    | 8.3  | 6.9  | 5.2  | 4.2  | 3.5  | 2.8  | 2.1  | 0.48 | 0.32 | 0.24                     | 0.19 |  |  |  |
|             | VC           | 30             | 0.17            | 12.6                                    | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58 | 0.39 | 0.29                     | 0.23 |  |  |  |
|             | M            | 40             | 0.20            | 14.9                                    | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68 | 0.45 | 0.34                     | 0.27 |  |  |  |
|             | M            | 50             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75 | 0.50 | 0.38                     | 0.30 |  |  |  |
|             | M            | 60             | 0.24            | 17.8                                    | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82 | 0.55 | 0.41                     | 0.33 |  |  |  |
|             | M            | 70             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89 | 0.59 | 0.44                     | 0.35 |  |  |  |
|             | M            | 80             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95 | 0.64 | 0.48                     | 0.38 |  |  |  |
|             | M            | 90             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02 | 0.68 | 0.51                     | 0.41 |  |  |  |
|             | M            | 100            | 0.32            | 23.8                                    | 19.0 | 15.8 | 11.9 | 9.5  | 7.9  | 6.3  | 4.8  | 1.09 | 0.73 | 0.55                     | 0.44 |  |  |  |
|             | M            | 115            | 0.34            | 25.2                                    | 20.2 | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0  | 1.16 | 0.77 | 0.58                     | 0.46 |  |  |  |
| 025         | XC           | 20             | 0.18            | 13.4                                    | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7  | 0.61 | 0.41 | 0.31                     | 0.25 |  |  |  |
|             | VC           | 30             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75 | 0.50 | 0.38                     | 0.30 |  |  |  |
|             | C            | 40             | 0.25            | 18.6                                    | 14.9 | 12.4 | 9.3  | 7.4  | 6.2  | 5.0  | 3.7  | 0.85 | 0.57 | 0.43                     | 0.34 |  |  |  |
|             | M            | 50             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95 | 0.64 | 0.48                     | 0.38 |  |  |  |
|             | M            | 60             | 0.31            | 23.0                                    | 18.4 | 15.3 | 11.5 | 9.2  | 7.7  | 6.1  | 4.6  | 1.06 | 0.70 | 0.53                     | 0.42 |  |  |  |
|             | M            | 70             | 0.33            | 24.5                                    | 19.6 | 16.3 | 12.3 | 9.8  | 8.2  | 6.5  | 4.9  | 1.13 | 0.75 | 0.56                     | 0.45 |  |  |  |
|             | M            | 80             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19 | 0.80 | 0.60                     | 0.48 |  |  |  |
|             | M            | 90             | 0.38            | 28.2                                    | 22.6 | 18.8 | 14.1 | 11.3 | 9.4  | 7.5  | 5.6  | 1.30 | 0.86 | 0.65                     | 0.52 |  |  |  |
|             | M            | 100            | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36 | 0.91 | 0.68                     | 0.55 |  |  |  |
|             | M            | 115            | 0.42            | 31.2                                    | 24.9 | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43 | 0.95 | 0.72                     | 0.57 |  |  |  |
| 03          | UC           | 20             | 0.21            | 15.6                                    | 12.5 | 10.4 | 7.8  | 6.2  | 5.2  | 4.2  | 3.1  | 0.72 | 0.48 | 0.36                     | 0.29 |  |  |  |
|             | XC           | 30             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89 | 0.59 | 0.44                     | 0.35 |  |  |  |
|             | VC           | 40             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02 | 0.68 | 0.51                     | 0.41 |  |  |  |
|             | C            | 50             | 0.34            | 25.2                                    | 20.2 | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0  | 1.16 | 0.77 | 0.58                     | 0.46 |  |  |  |
|             | C            | 60             | 0.37            | 27.5                                    | 22.0 | 18.3 | 13.7 | 11.0 | 9.2  | 7.3  | 5.5  | 1.26 | 0.84 | 0.63                     | 0.50 |  |  |  |
|             | M            | 70             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36 | 0.91 | 0.68                     | 0.55 |  |  |  |
|             | M            | 80             | 0.42            | 31.2                                    | 24.9 | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43 | 0.95 | 0.72                     | 0.57 |  |  |  |
|             | M            | 90             | 0.45            | 33.4                                    | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53 | 1.02 | 0.77                     | 0.61 |  |  |  |
|             | M            | 100            | 0.47            | 34.9                                    | 27.9 | 23.3 | 17.4 | 14.0 | 11.6 | 9.3  | 7.0  | 1.60 | 1.07 | 0.80                     | 0.64 |  |  |  |
|             | M            | 115            | 0.51            | 37.9                                    | 30.3 | 25.2 | 18.9 | 15.1 | 12.6 | 10.1 | 7.6  | 1.74 | 1.16 | 0.87                     | 0.70 |  |  |  |
| 035         | XC           | 20             | 0.25            | 18.6                                    | 14.9 | 12.4 | 9.3  | 7.4  | 6.2  | 5.0  | 3.7  | 0.85 | 0.57 | 0.43                     | 0.34 |  |  |  |
|             | VC           | 30             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02 | 0.68 | 0.51                     | 0.41 |  |  |  |
|             | C            | 40             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19 | 0.80 | 0.60                     | 0.48 |  |  |  |
|             | M            | 50             | 0.39            | 29.0                                    | 23.2 | 19.3 | 14.5 | 11.6 | 9.7  | 7.7  | 5.8  | 1.33 | 0.89 | 0.66                     | 0.53 |  |  |  |
|             | M            | 60             | 0.43            | 31.9                                    | 25.5 | 21.3 | 16.0 | 12.8 | 10.6 | 8.5  | 6.4  | 1.47 | 0.98 | 0.73                     | 0.59 |  |  |  |
|             | M            | 70             | 0.46            | 34.2                                    | 27.3 | 22.8 | 17.1 | 13.7 | 11.4 | 9.1  | 6.8  | 1.57 | 1.05 | 0.78                     | 0.63 |  |  |  |
|             | M            | 80             | 0.49            | 36.4                                    | 29.1 | 24.3 | 18.2 | 14.6 | 12.1 | 9.7  | 7.3  | 1.67 | 1.11 | 0.84                     | 0.67 |  |  |  |
|             | M            | 90             | 0.53            | 39.4                                    | 31.5 | 26.2 | 19.7 | 15.7 | 13.1 | 10.5 | 7.9  | 1.81 | 1.20 | 0.90                     | 0.72 |  |  |  |
|             | M            | 100            | 0.55            | 40.8                                    | 32.7 | 27.2 | 20.4 | 16.3 | 13.6 | 10.9 | 8.2  | 1.88 | 1.25 | 0.94                     | 0.75 |  |  |  |
|             | M            | 115            | 0.59            | 43.8                                    | 35.0 | 29.2 | 21.9 | 17.5 | 14.6 | 11.7 | 8.8  | 2.01 | 1.34 | 1.01                     | 0.80 |  |  |  |
| 04          | XC           | 20             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95 | 0.64 | 0.48                     | 0.38 |  |  |  |
|             | VC           | 30             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19 | 0.80 | 0.60                     | 0.48 |  |  |  |
|             | C            | 40             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36 | 0.91 | 0.68                     | 0.55 |  |  |  |
|             | C            | 50             | 0.45            | 33.4                                    | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53 | 1.02 | 0.77                     | 0.61 |  |  |  |
|             | M            | 60             | 0.49            | 36.4                                    | 29.1 | 24.3 | 18.2 | 14.6 | 12.1 | 9.7  | 7.3  | 1.67 | 1.11 | 0.84                     | 0.67 |  |  |  |
|             | M            | 70             | 0.53            | 39.4                                    | 31.5 | 26.2 | 19.7 | 15.7 | 13.1 | 10.5 | 7.9  | 1.81 | 1.20 | 0.90                     | 0.72 |  |  |  |
|             | M            | 80             | 0.57            | 42.3                                    | 33.9 | 28.2 | 21.2 | 16.9 | 14.1 | 11.3 | 8.5  | 1.94 | 1.30 | 0.97                     | 0.78 |  |  |  |
|             | M            | 90             | 0.60            | 44.6                                    | 35.6 | 29.7 | 22.3 | 17.8 | 14.9 | 11.9 | 8.9  | 2.05 | 1.36 | 1.02                     | 0.82 |  |  |  |
|             | M            | 100            | 0.63            | 46.8                                    | 37.4 | 31.2 | 23.4 | 18.7 | 15.6 | 12.5 | 9.4  | 2.15 | 1.43 | 1.07                     | 0.86 |  |  |  |
|             | M            | 115            | 0.68            | 50.5                                    | 40.4 | 33.7 | 25.2 | 20.2 | 16.8 | 13.5 | 10.1 | 2.32 | 1.55 | 1.16                     | 0.93 |  |  |  |
| 05          | XC           | 20             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19 | 0.80 | 0.60                     | 0.48 |  |  |  |
|             | XC           | 30             | 0.43            | 31.9                                    | 25.5 | 21.3 | 16.0 | 12.8 | 10.6 | 8.5  | 6.4  | 1.47 | 0.98 | 0.73                     | 0.59 |  |  |  |
|             | C            | 40             | 0.50            | 37.1                                    | 29.7 | 24.8 | 18.6 | 14.9 | 12.4 | 9.9  | 7.4  | 1.71 | 1.14 | 0.85                     | 0.68 |  |  |  |
|             | C            | 50             | 0.56            | 41.6                                    | 33.3 | 27.7 | 20.8 | 16.6 | 13.9 | 11.1 | 8.3  | 1.91 | 1.27 | 0.95                     | 0.76 |  |  |  |
|             | M            | 60             | 0.61            | 45.3                                    | 36.2 | 30.2 | 22.6 | 18.1 | 15.1 | 12.1 | 9.1  | 2.08 | 1.39 | 1.04                     | 0.83 |  |  |  |
|             | M            | 70             | 0.66            | 49.0                                    | 39.2 | 32.7 | 24.5 | 19.6 | 16.3 | 13.1 | 9.9  | 2.25 | 1.50 | 1.13                     | 0.90 |  |  |  |
|             | M            | 80             | 0.71            | 52.7                                    | 42.2 | 35.1 | 26.4 | 21.1 | 17.6 | 14.1 | 10.5 | 2.42 | 1.61 | 1.21                     | 0.97 |  |  |  |
|             | M            | 90             | 0.75            | 55.7                                    | 44.6 | 37.1 | 27.8 | 22.3 | 18.6 | 14.9 | 11.1 | 2.56 | 1.71 | 1.28                     | 1.02 |  |  |  |
|             | M            | 100            | 0.79            | 58.7                                    | 46.9 | 39.1 | 29.3 | 23.5 | 19.6 | 15.6 | 11.7 | 2.69 | 1.80 | 1.35                     | 1.08 |  |  |  |
|             | M            | 115            | 0.85            | 63.1                                    | 50.5 | 42.1 | 31.6 | 25.2 | 21.0 | 16.8 | 12.6 | 2.90 | 1.93 | 1.45                     | 1.16 |  |  |  |

Droplet size based on ASABE S572.1 standard.



1. Single Inlet; Air Induced Technology
2. Inclined spray pattern provides more uniform coverage
3. Available in a FastCap option for easy installation



Flexible 110° air inducted spray pattern capable of meeting many spraying situations.



Unique angle of incline specifically engineered to maximize droplet deposition on vertical targets.



See [www.hypospraytips.com/certifications](http://www.hypospraytips.com/certifications) for the latest drift reduction standard information.

### Metric Units

| Nozzle Size | Droplet Size | Pressure (BAR) | Flow Rate (LPM) | Application Rate L/Ha -50 cm Spacing<br>KM/H |     |     |     |     |     |     |     |  | Drift Reduction Standards                                |                    |  |  |
|-------------|--------------|----------------|-----------------|--|-----|-----|-----|-----|-----|-----|-----|--|--|--------------------|--|--|
|             |              |                |                 | 7  | 8   | 10  | 12  | 15  | 20  | 25  | 30  | LERAP  | JKI  | Z.N.T.             | TCT                                      |  |
| 015         | UC           | 1              | 0,35            | 60   | 53  | 42  | 35  | 28  | 21  | 17  | 14  | ★★★★<br>75% +<br>1.0-1.25 BAR<br>★★<br>50-75%<br>1.3-2.0 BAR |  | 66%<br>1.0-2.0 BAR | 50%<br>1.3-2.0 BAR                       |  |
|             | UC           | 1,5            | 0,42            | 72   | 63  | 50  | 42  | 34  | 25  | 20  | 17  |  |  |                    |  |  |
|             | XC           | 2              | 0,49            | 84   | 74  | 59  | 49  | 39  | 29  | 24  | 20  |  |  |                    |  |  |
|             | C            | 3              | 0,60            | 103  | 90  | 72  | 60  | 48  | 36  | 29  | 24  |  |  |                    |  |  |
|             | M            | 4              | 0,69            | 118  | 104 | 83  | 69  | 55  | 41  | 33  | 28  |  |  |                    |  |  |
|             | M            | 5              | 0,77            | 132  | 116 | 92  | 77  | 62  | 46  | 37  | 31  |  |  |                    |  |  |
|             | M            | 6              | 0,85            | 146  | 128 | 102 | 85  | 68  | 51  | 41  | 34  |  |  |                    |  |  |
|             | M            | 7              | 0,92            | 158  | 138 | 110 | 92  | 74  | 55  | 44  | 37  |  |  |                    |  |  |
| 02          | UC           | 1              | 0,46            | 79   | 69  | 55  | 46  | 37  | 28  | 22  | 18  | ★★★★<br>75% +<br>1.0-1.25 BAR<br>★★<br>50-75%<br>1.3-2.0 BAR | 50%<br>1.0-2.0 BAR<br>Ref # G-1812                       | 66%<br>1.0-3.0 BAR | 50%<br>1.3-2.0 BAR                       |  |
|             | XC           | 1,5            | 0,57            | 98   | 86  | 68  | 57  | 46  | 34  | 27  | 23  |  |  |                    |  |  |
|             | VC           | 2              | 0,65            | 111  | 98  | 78  | 65  | 52  | 39  | 31  | 26  |  |  |                    |  |  |
|             | M            | 3              | 0,80            | 137  | 120 | 96  | 80  | 64  | 48  | 38  | 32  |  |  |                    |  |  |
|             | M            | 4              | 0,92            | 158  | 138 | 110 | 92  | 74  | 55  | 44  | 37  |  |  |                    |  |  |
|             | M            | 5              | 1,03            | 177  | 155 | 124 | 103 | 82  | 62  | 49  | 41  |  |  |                    |  |  |
|             | M            | 6              | 1,13            | 194  | 170 | 136 | 113 | 90  | 68  | 54  | 45  |  |  |                    |  |  |
|             | M            | 7              | 1,22            | 209  | 183 | 146 | 122 | 98  | 73  | 59  | 49  |  |  |                    |  |  |
| 025         | UC           | 1              | 0,58            | 99   | 87  | 70  | 58  | 46  | 35  | 28  | 23  | ★★★★<br>75% +<br>1.0-1.5 BAR<br>★★<br>50-75%<br>1.6-2.5 BAR  | 50%<br>1.0-2.5 BAR<br>Ref # G-1817                       | 66%<br>1.0-3.0 BAR | 75%<br>1.0-1.5 BAR<br>50%<br>1.6-2.5 BAR |  |
|             | XC           | 1,5            | 0,71            | 122  | 107 | 85  | 71  | 57  | 43  | 34  | 28  |  |  |                    |  |  |
|             | VC           | 2              | 0,82            | 141  | 123 | 98  | 82  | 66  | 49  | 39  | 33  |  |  |                    |  |  |
|             | C            | 3              | 1,00            | 171  | 150 | 120 | 100 | 80  | 60  | 48  | 40  |  |  |                    |  |  |
|             | M            | 4              | 1,15            | 197  | 173 | 138 | 115 | 92  | 69  | 55  | 46  |  |  |                    |  |  |
|             | M            | 5              | 1,29            | 221  | 194 | 155 | 129 | 103 | 77  | 62  | 52  |  |  |                    |  |  |
|             | M            | 6              | 1,41            | 242  | 212 | 169 | 141 | 113 | 85  | 68  | 56  |  |  |                    |  |  |
|             | M            | 7              | 1,53            | 262  | 230 | 184 | 153 | 122 | 92  | 73  | 61  |  |  |                    |  |  |
| 03          | UC           | 1              | 0,69            | 118  | 104 | 83  | 69  | 55  | 41  | 33  | 28  | ★★★★<br>75% +<br>1.0-1.5 BAR<br>★★<br>50-75%<br>1.6-2.5 BAR  | 75%<br>1.5 BAR<br>50%<br>1.6-2.5 BAR<br>Ref # G-1813     | 66%<br>1.0-4.0 BAR | 75%<br>1.0-1.5 BAR<br>50%<br>1.6-2.5 BAR |  |
|             | UC           | 1,5            | 0,85            | 146  | 128 | 102 | 85  | 68  | 51  | 41  | 34  |  |  |                    |  |  |
|             | XC           | 2              | 0,98            | 168  | 147 | 118 | 98  | 78  | 59  | 47  | 39  |  |  |                    |  |  |
|             | VC           | 3              | 1,20            | 206  | 180 | 144 | 120 | 96  | 72  | 58  | 48  |  |  |                    |  |  |
|             | C            | 4              | 1,39            | 238  | 209 | 167 | 139 | 111 | 83  | 67  | 56  |  |  |                    |  |  |
|             | M            | 5              | 1,55            | 266  | 233 | 186 | 155 | 124 | 93  | 74  | 62  |  |  |                    |  |  |
|             | M            | 6              | 1,70            | 291  | 255 | 204 | 170 | 136 | 102 | 82  | 68  |  |  |                    |  |  |
|             | M            | 7              | 1,83            | 314  | 275 | 220 | 183 | 146 | 110 | 88  | 73  |  |  |                    |  |  |
| 035         | UC           | 1              | 0,81            | 139  | 122 | 97  | 81  | 65  | 49  | 39  | 32  | ★★★★<br>75% +<br>1.0-1.5 BAR<br>★★<br>50-75%<br>1.6-4.0 BAR  | 75%<br>1.0-1.5 BAR<br>50%<br>1.6-2.5 BAR<br>Ref # G-1811 | 66%<br>1.0-4.0 BAR | 75%<br>1.0-1.5 BAR<br>50%<br>1.6-4.0 BAR |  |
|             | XC           | 1,5            | 0,99            | 170  | 149 | 119 | 99  | 79  | 59  | 48  | 40  |  |  |                    |  |  |
|             | VC           | 2              | 1,14            | 195  | 171 | 137 | 114 | 91  | 68  | 55  | 46  |  |  |                    |  |  |
|             | C            | 3              | 1,40            | 240  | 210 | 168 | 140 | 112 | 84  | 67  | 56  |  |  |                    |  |  |
|             | M            | 4              | 1,62            | 278  | 243 | 194 | 162 | 130 | 97  | 78  | 65  |  |  |                    |  |  |
|             | M            | 5              | 1,81            | 310  | 272 | 217 | 181 | 145 | 109 | 87  | 72  |  |  |                    |  |  |
|             | M            | 6              | 1,98            | 339  | 297 | 238 | 198 | 158 | 119 | 95  | 79  |  |  |                    |  |  |
|             | M            | 7              | 2,14            | 367  | 321 | 257 | 214 | 171 | 128 | 103 | 86  |  |  |                    |  |  |
| 04          | UC           | 1              | 0,92            | 158  | 138 | 110 | 92  | 74  | 55  | 44  | 37  | ★★★★<br>75% +<br>1.0-1.5 BAR<br>★★<br>50-75%<br>1.6-4.0 BAR  | 75%<br>1.0-1.5 BAR<br>50%<br>1.6-2.5 BAR<br>Ref # G-1814 | 66%<br>1.0-4.0 BAR | 75%<br>1.0-1.5 BAR<br>50%<br>1.6-4.0 BAR |  |
|             | XC           | 1,5            | 1,13            | 194  | 170 | 136 | 113 | 90  | 68  | 54  | 45  |  |  |                    |  |  |
|             | VC           | 2              | 1,31            | 225  | 197 | 157 | 131 | 105 | 79  | 63  | 52  |  |  |                    |  |  |
|             | C            | 3              | 1,60            | 274  | 240 | 192 | 160 | 128 | 96  | 77  | 64  |  |  |                    |  |  |
|             | M            | 4              | 1,85            | 317  | 278 | 222 | 185 | 148 | 111 | 89  | 74  |  |  |                    |  |  |
|             | M            | 5              | 2,07            | 355  | 311 | 248 | 207 | 166 | 124 | 99  | 83  |  |  |                    |  |  |
|             | M            | 6              | 2,26            | 387  | 339 | 271 | 226 | 181 | 136 | 108 | 90  |  |  |                    |  |  |
|             | M            | 7              | 2,44            | 418  | 366 | 293 | 244 | 195 | 146 | 117 | 98  |  |  |                    |  |  |
| 05          | UC           | 1              | 1,15            | 197  | 173 | 138 | 115 | 92  | 69  | 55  | 46  | ★★★★<br>75% +<br>1.0-1.5 BAR<br>★★<br>50-75%<br>1.6-4.0 BAR  | 75%<br>1.0-1.5 BAR<br>50%<br>1.6-2.5 BAR<br>Ref # G-1815 | 66%<br>1.0-4.0 BAR | 75%<br>1.0-1.5 BAR<br>50%<br>1.6-4.0 BAR |  |
|             | XC           | 1,5            | 1,41            | 242  | 212 | 169 | 141 | 113 | 85  | 68  | 56  |  |  |                    |  |  |
|             | XC           | 2              | 1,63            | 279  | 245 | 196 | 163 | 130 | 98  | 78  | 65  |  |  |                    |  |  |
|             | C            | 3              | 2,00            | 343  | 300 | 240 | 200 | 160 | 120 | 96  | 80  |  |  |                    |  |  |
|             | M            | 4              | 2,31            | 396  | 347 | 277 | 231 | 185 | 139 | 111 | 92  |  |  |                    |  |  |
|             | M            | 5              | 2,58            | 442  | 387 | 310 | 258 | 206 | 155 | 124 | 103 |  |  |                    |  |  |
|             | M            | 6              | 2,83            | 485  | 425 | 340 | 283 | 226 | 170 | 136 | 113 |  |  |                    |  |  |
|             | M            | 7              | 3,06            | 525  | 459 | 367 | 306 | 245 | 184 | 147 | 122 |  |  |                    |  |  |
| 05          | UC           | 1              | 1,15            | 197  | 173 | 138 | 115 | 92  | 69  | 55  | 46  | ★★★★<br>75% +<br>1.0-1.5 BAR<br>★★<br>50-75%<br>1.6-4.0 BAR  | 75%<br>1.0-1.5 BAR<br>50%<br>1.6-2.5 BAR<br>Ref # G-1815 | 66%<br>1.0-4.0 BAR | 75%<br>1.0-1.5 BAR<br>50%<br>1.6-4.0 BAR |  |
|             | XC           | 1,5            | 1,41            | 242  | 212 | 169 | 141 | 113 | 85  | 68  | 56  |  |  |                    |  |  |
|             | XC           | 2              | 1,63            | 279  | 245 | 196 | 163 | 130 | 98  | 78  | 65  |  |  |                    |  |  |
|             | C            | 3              | 2,00            | 343  | 300 | 240 | 200 | 160 | 120 | 96  | 80  |  |  |                    |  |  |
|             | M            | 4              | 2,31            | 396  | 347 | 277 | 231 | 185 | 139 | 111 | 92  |  |  |                    |  |  |
|             | M            | 5              | 2,58            | 442  | 387 | 310 | 258 | 206 | 155 | 124 | 103 |  |  |                    |  |  |
|             | M            | 6              | 2,83            | 485  | 425 | 340 | 283 | 226 | 170 | 136 | 113 |  |  |                    |  |  |
|             | M            | 7              | 3,06            | 525  | 459 | 367 | 306 | 245 | 184 | 147 | 122 |  |  |                    |  |  |

Droplet size based on ASABE S572.1 standard.  
Use at 3 bar for optimum coverage.

| Features               |                      |
|------------------------|----------------------|
| Common Use             | Plant Health         |
| Pattern                | Tapered Flat Fan     |
| Technology             | Air Induction        |
| Material               | Polyacetal           |
| Spray Angle            | 110°                 |
| Pressure Range         | 20-115 PSI (1-8 BAR) |
| Configuration          | Nozzles, FastCap     |
| Optimum Boom Height    |                      |
| 15" (35 cm) Spacing    | 15" (35 cm)          |
| 20" (50 cm) Spacing    | 20" (50 cm)          |
| Part Numbers           |                      |
| Nozzles 110°           | FastCaps 110°        |
| GA110-015              | FC-GA110-015         |
| GA110-02               | FC-GA110-02          |
| GA110-025              | FC-GA110-025         |
| GA110-03               | FC-GA110-03          |
| GA110-035              | FC-GA110-035         |
| GA110-04               | FC-GA110-04          |
| GA110-05               | FC-GA110-05          |
| Replacement Cap Gasket |                      |
| 22W11MF64              |                      |





# Ceramic AVI 110°

The Albu<sup>z</sup>® AVI draws air into the nozzle and mixes it with the spray to create very coarse droplets that minimize spray drift. The air-filled droplets have a larger footprint on the leaf than similar non-air droplets and hold to the leaf for better control. Durable Albu<sup>z</sup> ceramic orifice create the longest wearing spray nozzle of its kind.



- Excellent drift reduction with large air-filled droplets
- Large passages resist plugging
- Wear-resistant Albu<sup>z</sup> ceramic orifice
- 80° fan models ideal for use in directed spray applications (See page 179 for more information)
- FastCap includes nozzle, cap and gasket

## US Units

| Nozzle Size | Droplet Size 110° | Pressure (PSI) | Flow Rate (GPM) | Gallons per Acre 20 inch nozzle spacing |      |      |      |      |      |      |      | GAL/1000 <sup>ft</sup> 20 inch nozzle spacing |      |      |      |
|-------------|-------------------|----------------|-----------------|---|------|------|------|------|------|------|------|---|------|------|------|
|             |                   |                |                 | 4                                       | 5    | 6    | 8    | 10   | 12   | 15   | 20   | 2   | 3    | 4    | 5    |
| 01          | VC                | 30             | 0.09            | 6.7                                     | 5.3  | 4.5  | 3.3  | 2.7  | 2.2  | 1.8  | 1.3  | 0.31  | 0.20 | 0.15 | 0.12 |
|             | VC                | 40             | 0.10            | 7.4                                     | 5.9  | 5.0  | 3.7  | 3.0  | 2.5  | 2.0  | 1.5  | 0.34  | 0.23 | 0.17 | 0.14 |
|             | VC                | 50             | 0.11            | 8.2                                     | 6.5  | 5.4  | 4.1  | 3.3  | 2.7  | 2.2  | 1.6  | 0.38  | 0.25 | 0.19 | 0.15 |
|             | C                 | 60             | 0.12            | 8.9                                     | 7.1  | 5.9  | 4.5  | 3.6  | 3.0  | 2.4  | 1.8  | 0.41  | 0.27 | 0.20 | 0.16 |
|             | C                 | 70             | 0.13            | 9.7                                     | 7.7  | 6.4  | 4.8  | 3.9  | 3.2  | 2.6  | 1.9  | 0.44  | 0.30 | 0.22 | 0.18 |
|             | C                 | 80             | 0.14            | 10.4                                    | 8.3  | 6.9  | 5.2  | 4.2  | 3.5  | 2.8  | 2.1  | 0.48  | 0.32 | 0.24 | 0.19 |
|             | C                 | 90             | 0.15            | 11.1                                    | 8.9  | 7.4  | 5.6  | 4.5  | 3.7  | 3.0  | 2.2  | 0.51  | 0.34 | 0.26 | 0.20 |
| C           | 100               | 0.16           | 11.9            | 9.5                                     | 7.9  | 5.9  | 4.8  | 4.0  | 3.2  | 2.4  | 0.55 | 0.36  | 0.27 | 0.22 |      |
| 015         | VC                | 30             | 0.13            | 9.7                                     | 7.7  | 6.4  | 4.8  | 3.9  | 3.2  | 2.6  | 1.9  | 0.44  | 0.30 | 0.22 | 0.18 |
|             | VC                | 40             | 0.15            | 11.1                                    | 8.9  | 7.4  | 5.6  | 4.5  | 3.7  | 3.0  | 2.2  | 0.51  | 0.34 | 0.26 | 0.20 |
|             | VC                | 50             | 0.17            | 12.6                                    | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58  | 0.39 | 0.29 | 0.23 |
|             | C                 | 60             | 0.18            | 13.4                                    | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7  | 0.61  | 0.41 | 0.31 | 0.25 |
|             | C                 | 70             | 0.20            | 14.9                                    | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68  | 0.45 | 0.34 | 0.27 |
|             | C                 | 80             | 0.21            | 15.6                                    | 12.5 | 10.4 | 7.8  | 6.2  | 5.2  | 4.2  | 3.1  | 0.72  | 0.48 | 0.36 | 0.29 |
|             | C                 | 90             | 0.23            | 17.1                                    | 13.7 | 11.4 | 8.5  | 6.8  | 5.7  | 4.6  | 3.4  | 0.78  | 0.52 | 0.39 | 0.31 |
| C           | 100               | 0.24           | 17.8            | 14.3                                    | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82 | 0.55  | 0.41 | 0.33 |      |
| 02          | VC                | 30             | 0.17            | 12.6                                    | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58  | 0.39 | 0.29 | 0.23 |
|             | VC                | 40             | 0.20            | 14.9                                    | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68  | 0.45 | 0.34 | 0.27 |
|             | VC                | 50             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75  | 0.50 | 0.38 | 0.30 |
|             | C                 | 60             | 0.24            | 17.8                                    | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82  | 0.55 | 0.41 | 0.33 |
|             | C                 | 70             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89  | 0.59 | 0.44 | 0.35 |
|             | C                 | 80             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95  | 0.64 | 0.48 | 0.38 |
|             | C                 | 90             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02  | 0.68 | 0.51 | 0.41 |
| C           | 100               | 0.32           | 23.8            | 19.0                                    | 15.8 | 11.9 | 9.5  | 7.9  | 6.3  | 4.8  | 1.09 | 0.73  | 0.55 | 0.44 |      |
| 025         | XC                | 30             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75  | 0.50 | 0.38 | 0.30 |
|             | VC                | 40             | 0.25            | 18.6                                    | 14.9 | 12.4 | 9.3  | 7.4  | 6.2  | 5.0  | 3.7  | 0.85  | 0.57 | 0.43 | 0.34 |
|             | VC                | 50             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95  | 0.64 | 0.48 | 0.38 |
|             | C                 | 60             | 0.31            | 23.0                                    | 18.4 | 15.3 | 11.5 | 9.2  | 7.7  | 6.1  | 4.6  | 1.06  | 0.70 | 0.53 | 0.42 |
|             | C                 | 70             | 0.33            | 24.5                                    | 19.6 | 16.3 | 12.3 | 9.8  | 8.2  | 6.5  | 4.9  | 1.13  | 0.75 | 0.56 | 0.45 |
|             | C                 | 80             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19  | 0.80 | 0.60 | 0.48 |
|             | C                 | 90             | 0.38            | 28.2                                    | 22.6 | 18.8 | 14.1 | 11.3 | 9.4  | 7.5  | 5.6  | 1.30  | 0.86 | 0.65 | 0.52 |
| C           | 100               | 0.40           | 29.7            | 23.8                                    | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36 | 0.91  | 0.68 | 0.55 |      |
| 03          | XC                | 30             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89  | 0.59 | 0.44 | 0.35 |
|             | XC                | 40             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02  | 0.68 | 0.51 | 0.41 |
|             | VC                | 50             | 0.34            | 25.2                                    | 20.2 | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0  | 1.16  | 0.77 | 0.58 | 0.46 |
|             | C                 | 60             | 0.37            | 27.5                                    | 22.0 | 18.3 | 13.7 | 11.0 | 9.2  | 7.3  | 5.5  | 1.26  | 0.84 | 0.63 | 0.50 |
|             | C                 | 70             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36  | 0.91 | 0.68 | 0.55 |
|             | C                 | 80             | 0.42            | 31.2                                    | 24.9 | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43  | 0.95 | 0.72 | 0.57 |
|             | C                 | 90             | 0.45            | 33.4                                    | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53  | 1.02 | 0.77 | 0.61 |
| C           | 100               | 0.47           | 34.9            | 27.9                                    | 23.3 | 17.4 | 14.0 | 11.6 | 9.3  | 7.0  | 1.60 | 1.07  | 0.80 | 0.64 |      |
| 04          | XC                | 30             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19  | 0.80 | 0.60 | 0.48 |
|             | XC                | 40             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36  | 0.91 | 0.68 | 0.55 |
|             | XC                | 50             | 0.45            | 33.4                                    | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53  | 1.02 | 0.77 | 0.61 |
|             | VC                | 60             | 0.49            | 36.4                                    | 29.1 | 24.3 | 18.2 | 14.6 | 12.1 | 9.7  | 7.3  | 1.67  | 1.11 | 0.84 | 0.67 |
|             | VC                | 70             | 0.53            | 39.4                                    | 31.5 | 26.2 | 19.7 | 15.7 | 13.1 | 10.5 | 7.9  | 1.81  | 1.20 | 0.90 | 0.72 |
|             | VC                | 80             | 0.57            | 42.3                                    | 33.9 | 28.2 | 21.2 | 16.9 | 14.1 | 11.3 | 8.5  | 1.94  | 1.30 | 0.97 | 0.78 |
|             | VC                | 90             | 0.60            | 44.6                                    | 35.6 | 29.7 | 22.3 | 17.8 | 14.9 | 11.9 | 8.9  | 2.05  | 1.36 | 1.02 | 0.82 |
| VC          | 100               | 0.63           | 46.8            | 37.4                                    | 31.2 | 23.4 | 18.7 | 15.6 | 12.5 | 9.4  | 2.15 | 1.43  | 1.07 | 0.86 |      |
| 05          | XC                | 30             | 0.43            | 31.9                                    | 25.5 | 21.3 | 16.0 | 12.8 | 10.6 | 8.5  | 6.4  | 1.47  | 0.98 | 0.73 | 0.59 |
|             | XC                | 40             | 0.50            | 37.1                                    | 29.7 | 24.8 | 18.6 | 14.9 | 12.4 | 9.9  | 7.4  | 1.71  | 1.14 | 0.85 | 0.68 |
|             | XC                | 50             | 0.56            | 41.6                                    | 33.3 | 27.7 | 20.8 | 16.6 | 13.9 | 11.1 | 8.3  | 1.91  | 1.27 | 0.95 | 0.76 |
|             | XC                | 60             | 0.61            | 45.3                                    | 36.2 | 30.2 | 22.6 | 18.1 | 15.1 | 12.1 | 9.1  | 2.08  | 1.39 | 1.04 | 0.83 |
|             | VC                | 70             | 0.66            | 49.0                                    | 39.2 | 32.7 | 24.5 | 19.6 | 16.3 | 13.1 | 9.8  | 2.25  | 1.50 | 1.13 | 0.90 |
|             | VC                | 80             | 0.71            | 52.7                                    | 42.2 | 35.1 | 26.4 | 21.1 | 17.6 | 14.1 | 10.5 | 2.42  | 1.61 | 1.21 | 0.97 |
|             | VC                | 90             | 0.75            | 55.7                                    | 44.6 | 37.1 | 27.8 | 22.3 | 18.6 | 14.9 | 11.1 | 2.56  | 1.71 | 1.28 | 1.02 |
| VC          | 100               | 0.79           | 58.7            | 46.9                                    | 39.1 | 29.3 | 23.5 | 19.6 | 15.6 | 11.7 | 2.69 | 1.80  | 1.35 | 1.08 |      |
| 06          | XC                | 30             | 0.52            | 38.6                                    | 30.9 | 25.7 | 19.3 | 15.4 | 12.9 | 10.3 | 7.7  | 1.77  | 1.18 | 0.89 | 0.71 |
|             | XC                | 40             | 0.60            | 44.6                                    | 35.6 | 29.7 | 22.3 | 17.8 | 14.9 | 11.9 | 8.9  | 2.05  | 1.36 | 1.02 | 0.82 |
|             | XC                | 50             | 0.67            | 49.7                                    | 39.8 | 33.2 | 24.9 | 19.9 | 16.6 | 13.3 | 9.9  | 2.28  | 1.52 | 1.14 | 0.91 |
|             | XC                | 60             | 0.73            | 54.2                                    | 43.4 | 36.1 | 27.1 | 21.7 | 18.1 | 14.5 | 10.8 | 2.49  | 1.66 | 1.24 | 1.00 |
|             | VC                | 70             | 0.79            | 58.7                                    | 46.9 | 39.1 | 29.3 | 23.5 | 19.6 | 15.6 | 11.7 | 2.69  | 1.80 | 1.35 | 1.08 |
|             | VC                | 80             | 0.85            | 63.1                                    | 50.5 | 42.1 | 31.6 | 25.2 | 21.0 | 16.8 | 12.6 | 2.90  | 1.93 | 1.45 | 1.16 |
|             | VC                | 90             | 0.90            | 66.8                                    | 53.5 | 44.6 | 33.4 | 26.7 | 22.3 | 17.8 | 13.4 | 3.07  | 2.05 | 1.53 | 1.23 |
| VC          | 100               | 0.95           | 70.5            | 56.4                                    | 47.0 | 35.3 | 28.2 | 23.5 | 18.8 | 14.1 | 3.24 | 2.16  | 1.62 | 1.30 |      |
| 08          | XC                | 30             | 0.69            | 51.2                                    | 41.0 | 34.2 | 25.6 | 20.5 | 17.1 | 13.7 | 10.2 | 2.35  | 1.57 | 1.18 | 0.94 |
|             | XC                | 40             | 0.80            | 59.4                                    | 47.5 | 39.6 | 29.7 | 23.8 | 19.8 | 15.8 | 11.9 | 2.73  | 1.82 | 1.36 | 1.09 |
|             | XC                | 50             | 0.89            | 66.1                                    | 52.9 | 44.1 | 33.0 | 26.4 | 22.0 | 17.6 | 13.2 | 3.03  | 2.02 | 1.52 | 1.21 |
|             | XC                | 60             | 0.98            | 72.8                                    | 58.2 | 48.5 | 36.4 | 29.1 | 24.3 | 19.4 | 14.6 | 3.34  | 2.23 | 1.67 | 1.34 |
|             | XC                | 70             | 1.06            | 78.7                                    | 63.0 | 52.5 | 39.4 | 31.5 | 26.2 | 21.0 | 15.7 | 3.61  | 2.41 | 1.81 | 1.45 |
|             | XC                | 80             | 1.13            | 83.9                                    | 67.1 | 55.9 | 42.0 | 33.6 | 28.0 | 22.4 | 16.8 | 3.85  | 2.57 | 1.93 | 1.54 |
|             | XC                | 90             | 1.20            | 89.1                                    | 71.3 | 59.4 | 44.6 | 35.6 | 29.7 | 23.8 | 17.8 | 4.09  | 2.73 | 2.05 | 1.64 |
| XC          | 100               | 1.26           | 93.6            | 74.8                                    | 62.4 | 46.8 | 37.4 | 31.2 | 24.9 | 18.7 | 4.30 | 2.86  | 2.15 | 1.72 |      |
| 10          | XC                | 30             | 0.87            | 64.6                                    | 51.7 | 43.1 | 32.3 | 25.8 | 21.5 | 17.2 | 12.9 | 2.97  | 1.98 | 1.48 | 1.19 |
|             | XC                | 40             | 1.00            | 74.3                                    | 59.4 | 49.5 | 37.1 | 29.7 | 24.8 | 19.8 | 14.9 | 3.41  | 2.27 | 1.71 | 1.36 |
|             | XC                | 50             | 1.12            | 83.2                                    | 66.5 | 55.4 | 41.6 | 33.3 | 27.7 | 22.2 | 16.6 | 3.82  | 2.55 | 1.91 | 1.53 |
|             | XC                | 60             | 1.22            | 90.6                                    | 72.5 | 60.4 | 45.3 | 36.2 | 30.2 | 24.2 | 18.1 | 4.16  | 2.77 | 2.08 | 1.66 |
|             | XC                | 70             | 1.32            | 98.0                                    | 78.4 | 65.3 | 49.0 | 39.2 | 32.7 | 26.1 | 19.6 | 4.50  | 3.00 | 2.25 | 1.80 |
|             | XC                | 80             | 1.41            | 105                                     | 83.8 | 69.8 | 52.3 | 41.9 |      |      |      |   |      |      |      |

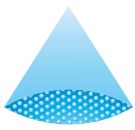


**Metric Units**

| Nozzle Size | Droplet Size 110° | Pressure (bar) | Flow (L/min) | Application Rate L/Ha- 50 cm Spacing<br>KM/H |      |     |     |     |     |     |     |     |     |
|-------------|-------------------|----------------|--------------|--|------|-----|-----|-----|-----|-----|-----|-----|-----|
|             |                   |                |              | 6  | 8    | 10  | 12  | 14  | 16  | 18  | 20  | 25  | 30  |
| 01          | VC                | 2              | 0.33         | 87   | 65   | 52  | 43  | 37  | 33  | 29  | 26  | 21  | 17  |
|             | VC                | 3              | 0.40         | 105  | 79   | 63  | 53  | 45  | 39  | 35  | 32  | 25  | 21  |
|             | VC                | 4              | 0.46         | 121  | 91   | 73  | 61  | 52  | 45  | 40  | 36  | 29  | 24  |
|             | C                 | 5              | 0.52         | 137  | 103  | 82  | 68  | 59  | 51  | 46  | 41  | 33  | 27  |
|             | C                 | 6              | 0.57         | 150  | 113  | 90  | 75  | 64  | 56  | 50  | 45  | 36  | 30  |
|             | C                 | 7              | 0.61         | 161  | 120  | 96  | 80  | 69  | 60  | 54  | 48  | 39  | 32  |
|             | C                 | 7              | 0.61         | 161  | 120  | 96  | 80  | 69  | 60  | 54  | 48  | 39  | 32  |
| 015         | VC                | 2              | 0.49         | 129  | 97   | 77  | 64  | 55  | 48  | 43  | 39  | 31  | 26  |
|             | VC                | 3              | 0.60         | 158  | 118  | 95  | 79  | 68  | 59  | 53  | 47  | 38  | 32  |
|             | VC                | 4              | 0.69         | 182  | 136  | 109 | 91  | 78  | 68  | 61  | 54  | 44  | 36  |
|             | VC                | 5              | 0.77         | 203  | 152  | 122 | 101 | 87  | 76  | 68  | 61  | 49  | 41  |
|             | C                 | 6              | 0.85         | 224  | 168  | 134 | 112 | 96  | 84  | 75  | 67  | 54  | 45  |
|             | C                 | 7              | 0.92         | 242  | 182  | 145 | 121 | 104 | 91  | 81  | 73  | 58  | 48  |
|             | C                 | 7              | 0.92         | 242  | 182  | 145 | 121 | 104 | 91  | 81  | 73  | 58  | 48  |
| 02          | VC                | 2              | 0.65         | 171  | 128  | 103 | 86  | 73  | 64  | 57  | 51  | 41  | 34  |
|             | VC                | 3              | 0.80         | 211  | 158  | 126 | 105 | 90  | 79  | 70  | 63  | 51  | 42  |
|             | VC                | 4              | 0.92         | 242  | 182  | 145 | 121 | 104 | 91  | 81  | 73  | 58  | 48  |
|             | VC                | 5              | 1.03         | 271  | 203  | 163 | 136 | 116 | 102 | 90  | 81  | 65  | 54  |
|             | VC                | 6              | 1.13         | 297  | 223  | 178 | 149 | 127 | 112 | 99  | 89  | 71  | 59  |
|             | C                 | 7              | 1.22         | 321  | 241  | 193 | 161 | 138 | 120 | 107 | 96  | 77  | 64  |
|             | C                 | 7              | 1.22         | 321  | 241  | 193 | 161 | 138 | 120 | 107 | 96  | 77  | 64  |
| 025         | XC                | 2              | 0.82         | 216  | 162  | 129 | 108 | 92  | 81  | 72  | 65  | 52  | 43  |
|             | VC                | 3              | 1.00         | 263  | 197  | 158 | 132 | 113 | 99  | 88  | 79  | 63  | 53  |
|             | VC                | 4              | 1.15         | 303  | 227  | 182 | 151 | 130 | 113 | 101 | 91  | 73  | 61  |
|             | VC                | 5              | 1.29         | 339  | 255  | 204 | 170 | 145 | 127 | 113 | 102 | 81  | 68  |
|             | VC                | 6              | 1.41         | 371  | 278  | 223 | 186 | 159 | 139 | 124 | 111 | 89  | 74  |
|             | VC                | 7              | 1.53         | 403  | 302  | 242 | 201 | 173 | 151 | 134 | 121 | 97  | 81  |
|             | VC                | 7              | 1.53         | 403  | 302  | 242 | 201 | 173 | 151 | 134 | 121 | 97  | 81  |
| 03          | XC                | 2              | 0.98         | 258  | 193  | 155 | 129 | 111 | 97  | 86  | 77  | 62  | 52  |
|             | XC                | 3              | 1.20         | 316  | 237  | 189 | 158 | 135 | 118 | 105 | 95  | 76  | 63  |
|             | VC                | 4              | 1.39         | 366  | 274  | 219 | 183 | 157 | 137 | 122 | 110 | 88  | 73  |
|             | VC                | 5              | 1.55         | 408  | 306  | 245 | 204 | 175 | 153 | 136 | 122 | 98  | 82  |
|             | VC                | 6              | 1.70         | 447  | 336  | 268 | 224 | 192 | 168 | 149 | 134 | 107 | 89  |
|             | VC                | 7              | 1.83         | 482  | 361  | 289 | 241 | 206 | 181 | 161 | 144 | 116 | 96  |
|             | VC                | 7              | 1.83         | 482  | 361  | 289 | 241 | 206 | 181 | 161 | 144 | 116 | 96  |
| 04          | XC                | 2              | 1.31         | 345  | 259  | 207 | 172 | 148 | 129 | 115 | 103 | 83  | 69  |
|             | XC                | 3              | 1.60         | 421  | 316  | 253 | 211 | 180 | 158 | 140 | 126 | 101 | 84  |
|             | VC                | 4              | 1.85         | 487  | 365  | 292 | 243 | 209 | 183 | 162 | 146 | 117 | 97  |
|             | VC                | 5              | 2.07         | 545  | 409  | 327 | 272 | 233 | 204 | 182 | 163 | 131 | 109 |
|             | VC                | 6              | 2.26         | 595  | 446  | 357 | 297 | 255 | 223 | 198 | 178 | 143 | 119 |
|             | VC                | 7              | 2.44         | 642  | 482  | 385 | 321 | 275 | 241 | 214 | 193 | 154 | 128 |
|             | VC                | 7              | 2.44         | 642  | 482  | 385 | 321 | 275 | 241 | 214 | 193 | 154 | 128 |
| 05          | XC                | 2              | 1.63         | 429  | 322  | 257 | 214 | 184 | 161 | 143 | 129 | 103 | 86  |
|             | XC                | 3              | 2.00         | 526  | 395  | 316 | 263 | 226 | 197 | 175 | 158 | 126 | 105 |
|             | XC                | 4              | 2.31         | 608  | 456  | 365 | 304 | 261 | 228 | 203 | 182 | 146 | 122 |
|             | VC                | 5              | 2.58         | 679  | 509  | 407 | 339 | 291 | 255 | 226 | 204 | 163 | 136 |
|             | VC                | 6              | 2.83         | 745  | 559  | 447 | 372 | 319 | 279 | 248 | 223 | 179 | 149 |
|             | VC                | 7              | 3.06         | 805  | 604  | 483 | 403 | 345 | 302 | 268 | 242 | 193 | 161 |
|             | VC                | 7              | 3.06         | 805  | 604  | 483 | 403 | 345 | 302 | 268 | 242 | 193 | 161 |
| 06          | XC                | 2              | 1.96         | 516  | 387  | 309 | 258 | 221 | 193 | 172 | 155 | 124 | 103 |
|             | XC                | 3              | 2.40         | 632  | 474  | 379 | 316 | 271 | 237 | 211 | 189 | 152 | 126 |
|             | XC                | 4              | 2.77         | 729  | 547  | 437 | 364 | 312 | 273 | 243 | 219 | 175 | 146 |
|             | VC                | 5              | 3.10         | 816  | 612  | 489 | 408 | 350 | 306 | 272 | 245 | 196 | 163 |
|             | VC                | 6              | 3.39         | 892  | 669  | 535 | 446 | 382 | 335 | 297 | 268 | 214 | 178 |
|             | VC                | 7              | 3.67         | 966  | 724  | 579 | 483 | 414 | 362 | 322 | 290 | 232 | 193 |
|             | VC                | 7              | 3.67         | 966  | 724  | 579 | 483 | 414 | 362 | 322 | 290 | 232 | 193 |
| 08          | XC                | 2              | 2.61         | 687  | 515  | 412 | 343 | 294 | 258 | 229 | 206 | 165 | 137 |
|             | XC                | 3              | 3.20         | 842  | 632  | 505 | 421 | 361 | 316 | 281 | 253 | 202 | 168 |
|             | XC                | 4              | 3.70         | 974  | 730  | 584 | 487 | 417 | 365 | 325 | 292 | 234 | 195 |
|             | XC                | 5              | 4.13         | 1087   | 815  | 652 | 543 | 466 | 408 | 362 | 326 | 261 | 217 |
|             | XC                | 6              | 4.53         | 1192   | 894  | 715 | 596 | 511 | 447 | 397 | 358 | 286 | 238 |
|             | XC                | 7              | 4.89         | 1287   | 965  | 772 | 643 | 552 | 483 | 429 | 386 | 309 | 257 |
|             | XC                | 7              | 4.89         | 1287   | 965  | 772 | 643 | 552 | 483 | 429 | 386 | 309 | 257 |
| 10          | XC                | 2              | 3.27         | 861  | 645  | 516 | 430 | 369 | 323 | 287 | 258 | 207 | 172 |
|             | XC                | 3              | 4.00         | 1053   | 789  | 632 | 526 | 451 | 395 | 351 | 316 | 253 | 211 |
|             | XC                | 4              | 4.62         | 1216   | 912  | 729 | 608 | 521 | 456 | 405 | 365 | 292 | 243 |
|             | XC                | 5              | 5.16         | 1358   | 1018 | 815 | 679 | 582 | 509 | 453 | 407 | 326 | 272 |
|             | XC                | 6              | 5.66         | 1489   | 1117 | 894 | 745 | 638 | 559 | 496 | 447 | 357 | 298 |
|             | XC                | 7              | 6.11         | 1608   | 1206 | 965 | 804 | 689 | 603 | 536 | 482 | 386 | 322 |
|             | XC                | 7              | 6.11         | 1608   | 1206 | 965 | 804 | 689 | 603 | 536 | 482 | 386 | 322 |

Droplet size based on ASABE S572.1 standard.

| Features                   |                           |
|----------------------------|---------------------------|
| Common Use                 | Weeds                     |
| Pattern                    | Tapered Flat Fan          |
| Technology                 | Air Induction             |
| Material                   | Ceramic                   |
| Spray Angle                | 110°                      |
| Pressure Range             | 30-100 PSI (2-7 BAR)      |
| Configuration              | Nozzles, FastCap Complete |
| Optimum Boom Height        |                           |
| 80° - 15" (35 cm) Spacing  | 22" (56 cm)               |
| 80° - 20" (50 cm) Spacing  | 30" (76 cm)               |
| 110° - 15" (35 cm) Spacing | 15" (35 cm)               |
| 110° - 20" (50 cm) Spacing | 20" (50 cm)               |
| Nozzles                    | FastCaps                  |
| AVI-11001                  | FC-AVI-11001              |
| AVI-110015                 | FC-AVI-110015             |
| AVI-11002                  | FC-AVI-11002              |
| AVI-110025                 | FC-AVI-110025             |
| AVI-11003                  | FC-AVI-11003              |
| AVI-11004                  | FC-AVI-11004              |
| AVI-11005                  | FC-AVI-11005              |
| AVI-11006                  | FC-AVI-11006              |
| AVI-11008                  | FC-AVI-11008              |
| AVI-11010                  | FC-AVI-11010              |
| Replacement Cap Gasket     |                           |
| 22W11MF64                  |                           |



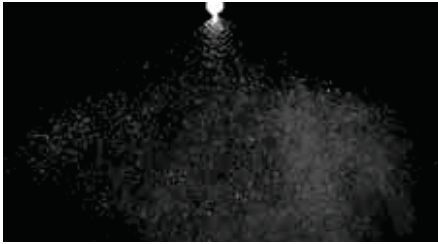
# Guardian 120°



Guardian spray nozzles are ideal for insecticide and fungicide applications especially when used with suspension based adjuvants. The Guardian's unique 20° inclined spray pattern allows users to aim the spray rearward for general spraying, forward for vertical targets, or alternate nozzles to create a twin spray.

- Pre-orifice design for courser spray availability the flat fans
- Delivers a consistent droplet and spray pattern
- A bold arrow indicates incline direction for easy installation
- FastCap complete includes nozzle, cap, gasket and integrated strainers

| Nozzle Size | Droplet Size | Pressure (PSI) | Flow Rate (GPM) | Gallons per Acre 20 inch nozzle spacing |      |      |      |      |      |      |      |      |      | GAL/1000 Ft <sup>2</sup> |      |      |  |  |
|-------------|--------------|----------------|-----------------|---|------|------|------|------|------|------|------|------|------|--------------------------|------|------|--|--|
|             |              |                |                 | MPH                                     |      |      |      |      |      |      |      |      |      | 20 inch nozzle spacing   |      |      |  |  |
|             |              |                |                 | 4                                       | 5    | 6    | 8    | 10   | 12   | 15   | 20   | 2    | 3    | 4                        | 5    |      |  |  |
| 015         | -            | 20             | 0.11            | 8.2                                     | 6.5  | 5.4  | 4.1  | 3.3  | 2.7  | 2.2  | 1.6  | 0.38 | 0.25 | 0.19                     | 0.15 |      |  |  |
|             | M            | 30             | 0.13            | 9.7                                     | 7.7  | 6.4  | 4.8  | 3.9  | 3.2  | 2.6  | 1.9  | 0.44 | 0.30 | 0.22                     | 0.18 |      |  |  |
|             | M            | 40             | 0.15            | 11.1                                    | 8.9  | 7.4  | 5.6  | 4.5  | 3.7  | 3.0  | 2.2  | 0.51 | 0.34 | 0.26                     | 0.20 |      |  |  |
|             | M            | 50             | 0.17            | 12.6                                    | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58 | 0.39 | 0.29                     | 0.23 |      |  |  |
|             | M            | 60             | 0.18            | 13.4                                    | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7  | 0.61 | 0.41 | 0.31                     | 0.25 |      |  |  |
|             | M            | 70             | 0.20            | 14.9                                    | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68 | 0.45 | 0.34                     | 0.27 |      |  |  |
|             | M            | 80             | 0.21            | 15.6                                    | 12.5 | 10.4 | 7.8  | 6.2  | 5.2  | 4.2  | 3.1  | 0.72 | 0.48 | 0.36                     | 0.29 |      |  |  |
|             | M            | 90             | 0.23            | 17.1                                    | 13.7 | 11.4 | 8.5  | 6.8  | 5.7  | 4.6  | 3.4  | 0.78 | 0.52 | 0.39                     | 0.31 |      |  |  |
|             | M            | 100            | 0.24            | 17.8                                    | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82 | 0.55 | 0.41                     | 0.33 |      |  |  |
|             | M            | 115            | 0.25            | 18.6                                    | 14.9 | 12.4 | 9.3  | 7.4  | 6.2  | 5.0  | 3.7  | 0.85 | 0.57 | 0.43                     | 0.34 |      |  |  |
|             | 02           | -              | 20              | 0.14                                    | 10.4 | 8.3  | 6.9  | 5.2  | 4.2  | 3.5  | 2.8  | 2.1  | 0.48 | 0.32                     | 0.24 | 0.19 |  |  |
| M           |              | 30             | 0.17            | 12.6                                    | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58 | 0.39 | 0.29                     | 0.23 |      |  |  |
| M           |              | 40             | 0.20            | 14.9                                    | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68 | 0.45 | 0.34                     | 0.27 |      |  |  |
| M           |              | 50             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75 | 0.50 | 0.38                     | 0.30 |      |  |  |
| M           |              | 60             | 0.24            | 17.8                                    | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82 | 0.55 | 0.41                     | 0.33 |      |  |  |
| M           |              | 70             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89 | 0.59 | 0.44                     | 0.35 |      |  |  |
| M           |              | 80             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95 | 0.64 | 0.48                     | 0.38 |      |  |  |
| M           |              | 90             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02 | 0.68 | 0.51                     | 0.41 |      |  |  |
| M           |              | 100            | 0.32            | 23.8                                    | 19.0 | 15.8 | 11.9 | 9.5  | 7.9  | 6.3  | 4.8  | 1.09 | 0.73 | 0.55                     | 0.44 |      |  |  |
| M           |              | 115            | 0.34            | 25.2                                    | 20.2 | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0  | 1.16 | 0.77 | 0.58                     | 0.46 |      |  |  |
| 025         |              | -              | 20              | 0.18                                    | 13.4 | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7  | 0.61 | 0.41                     | 0.31 | 0.25 |  |  |
|             | M            | 30             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75 | 0.50 | 0.38                     | 0.30 |      |  |  |
|             | M            | 40             | 0.25            | 18.6                                    | 14.9 | 12.4 | 9.3  | 7.4  | 6.2  | 5.0  | 3.7  | 0.85 | 0.57 | 0.43                     | 0.34 |      |  |  |
|             | M            | 50             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95 | 0.64 | 0.48                     | 0.38 |      |  |  |
|             | M            | 60             | 0.31            | 23.0                                    | 18.4 | 15.3 | 11.5 | 9.2  | 7.7  | 6.1  | 4.6  | 1.06 | 0.70 | 0.53                     | 0.42 |      |  |  |
|             | M            | 70             | 0.33            | 24.5                                    | 19.6 | 16.3 | 12.3 | 9.8  | 8.2  | 6.5  | 4.9  | 1.13 | 0.75 | 0.56                     | 0.45 |      |  |  |
|             | M            | 80             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19 | 0.80 | 0.60                     | 0.48 |      |  |  |
|             | M            | 90             | 0.38            | 28.2                                    | 22.6 | 18.8 | 14.1 | 11.3 | 9.4  | 7.5  | 5.6  | 1.30 | 0.86 | 0.65                     | 0.52 |      |  |  |
|             | M            | 100            | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36 | 0.91 | 0.68                     | 0.55 |      |  |  |
|             | M            | 115            | 0.42            | 31.2                                    | 24.9 | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43 | 0.95 | 0.72                     | 0.57 |      |  |  |
|             | 03           | -              | 20              | 0.21                                    | 15.6 | 12.5 | 10.4 | 7.8  | 6.2  | 5.2  | 4.2  | 3.1  | 0.72 | 0.48                     | 0.36 | 0.29 |  |  |
| M           |              | 30             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89 | 0.59 | 0.44                     | 0.35 |      |  |  |
| M           |              | 40             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02 | 0.68 | 0.51                     | 0.41 |      |  |  |
| M           |              | 50             | 0.34            | 25.2                                    | 20.2 | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0  | 1.16 | 0.77 | 0.58                     | 0.46 |      |  |  |
| M           |              | 60             | 0.37            | 27.5                                    | 22.0 | 18.3 | 13.7 | 11.0 | 9.2  | 7.3  | 5.5  | 1.26 | 0.84 | 0.63                     | 0.50 |      |  |  |
| M           |              | 70             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36 | 0.91 | 0.68                     | 0.55 |      |  |  |
| M           |              | 80             | 0.42            | 31.2                                    | 24.9 | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43 | 0.95 | 0.72                     | 0.57 |      |  |  |
| M           |              | 90             | 0.45            | 33.4                                    | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53 | 1.02 | 0.77                     | 0.61 |      |  |  |
| M           |              | 100            | 0.47            | 34.9                                    | 27.9 | 23.3 | 17.4 | 14.0 | 11.6 | 9.3  | 7.0  | 1.60 | 1.07 | 0.80                     | 0.64 |      |  |  |
| M           |              | 115            | 0.51            | 37.9                                    | 30.3 | 25.2 | 18.9 | 15.1 | 12.6 | 10.1 | 7.6  | 1.74 | 1.16 | 0.87                     | 0.70 |      |  |  |
| 04          |              | VC             | 20              | 0.28                                    | 20.8 | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95 | 0.64                     | 0.48 | 0.38 |  |  |
|             | VC           | 30             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19 | 0.80 | 0.60                     | 0.48 |      |  |  |
|             | C            | 40             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36 | 0.91 | 0.68                     | 0.55 |      |  |  |
|             | C            | 50             | 0.45            | 33.4                                    | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53 | 1.02 | 0.77                     | 0.61 |      |  |  |
|             | C            | 60             | 0.49            | 36.4                                    | 29.1 | 24.3 | 18.2 | 14.6 | 12.1 | 9.7  | 7.3  | 1.67 | 1.11 | 0.84                     | 0.67 |      |  |  |
|             | M            | 70             | 0.53            | 39.4                                    | 31.5 | 26.2 | 19.7 | 15.7 | 13.1 | 10.5 | 7.9  | 1.81 | 1.20 | 0.90                     | 0.72 |      |  |  |
|             | M            | 80             | 0.57            | 42.3                                    | 33.9 | 28.2 | 21.2 | 16.9 | 14.1 | 11.3 | 8.5  | 1.94 | 1.30 | 0.97                     | 0.78 |      |  |  |
|             | M            | 90             | 0.60            | 44.6                                    | 35.6 | 29.7 | 22.3 | 17.8 | 14.9 | 11.9 | 8.9  | 2.05 | 1.36 | 1.02                     | 0.82 |      |  |  |
|             | M            | 100            | 0.63            | 46.8                                    | 37.4 | 31.2 | 23.4 | 18.7 | 15.6 | 12.5 | 9.4  | 2.15 | 1.43 | 1.07                     | 0.86 |      |  |  |
|             | M            | 115            | 0.68            | 50.5                                    | 40.4 | 33.7 | 25.2 | 20.2 | 16.8 | 13.5 | 10.1 | 2.32 | 1.55 | 1.16                     | 0.93 |      |  |  |
|             | 05           | XC             | 20              | 0.35                                    | 26.0 | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19 | 0.80                     | 0.60 | 0.48 |  |  |
| XC          |              | 30             | 0.43            | 31.9                                    | 25.5 | 21.3 | 16.0 | 12.8 | 10.6 | 8.5  | 6.4  | 1.47 | 0.98 | 0.73                     | 0.59 |      |  |  |
| VC          |              | 40             | 0.50            | 37.1                                    | 29.7 | 24.8 | 18.6 | 14.9 | 12.4 | 9.9  | 7.4  | 1.71 | 1.14 | 0.85                     | 0.68 |      |  |  |
| VC          |              | 50             | 0.56            | 41.6                                    | 33.3 | 27.7 | 20.8 | 16.6 | 13.9 | 11.1 | 8.3  | 1.91 | 1.27 | 0.95                     | 0.76 |      |  |  |
| C           |              | 60             | 0.61            | 45.3                                    | 36.2 | 30.2 | 22.6 | 18.1 | 15.1 | 12.1 | 9.1  | 2.08 | 1.39 | 1.04                     | 0.83 |      |  |  |
| M           |              | 70             | 0.66            | 49.0                                    | 39.2 | 32.7 | 24.5 | 19.6 | 16.3 | 13.1 | 9.8  | 2.25 | 1.50 | 1.13                     | 0.90 |      |  |  |
| M           |              | 80             | 0.71            | 52.7                                    | 42.2 | 35.1 | 26.4 | 21.1 | 17.6 | 14.1 | 10.5 | 2.42 | 1.61 | 1.21                     | 0.97 |      |  |  |
| M           |              | 90             | 0.75            | 55.7                                    | 44.6 | 37.1 | 27.8 | 22.3 | 18.6 | 14.9 | 11.1 | 2.56 | 1.71 | 1.28                     | 1.02 |      |  |  |
| M           |              | 100            | 0.79            | 58.7                                    | 46.9 | 39.1 | 29.3 | 23.5 | 19.6 | 15.6 | 11.7 | 2.69 | 1.80 | 1.35                     | 1.08 |      |  |  |
| M           |              | 115            | 0.85            | 63.1                                    | 50.5 | 42.1 | 31.6 | 25.2 | 21.0 | 16.8 | 12.6 | 2.90 | 1.93 | 1.45                     | 1.16 |      |  |  |
| 06          |              | XC             | 20              | 0.42                                    | 31.2 | 24.9 | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43 | 0.95                     | 0.72 | 0.57 |  |  |
|             | XC           | 30             | 0.52            | 38.6                                    | 30.9 | 25.7 | 19.3 | 15.4 | 12.9 | 10.3 | 7.7  | 1.77 | 1.18 | 0.89                     | 0.71 |      |  |  |
|             | VC           | 40             | 0.60            | 44.6                                    | 35.6 | 29.7 | 22.3 | 17.8 | 14.9 | 11.9 | 8.9  | 2.05 | 1.36 | 1.02                     | 0.82 |      |  |  |
|             | VC           | 50             | 0.67            | 49.7                                    | 39.8 | 33.2 | 24.9 | 19.9 | 16.6 | 13.3 | 9.9  | 2.28 | 1.52 | 1.14                     | 0.91 |      |  |  |
|             | C            | 60             | 0.73            | 54.2                                    | 43.4 | 36.1 | 27.1 | 21.7 | 18.1 | 14.5 | 10.8 | 2.49 | 1.66 | 1.24                     | 1.00 |      |  |  |
|             | M            | 70             | 0.79            | 58.7                                    | 46.9 | 39.1 | 29.3 | 23.5 | 19.6 | 15.6 | 11.7 | 2.69 | 1.80 | 1.35                     | 1.08 |      |  |  |
|             | M            | 80             | 0.85            | 63.1                                    | 50.5 | 42.1 | 31.6 | 25.2 | 21.0 | 16.8 | 12.6 | 2.90 | 1.93 | 1.45                     | 1.16 |      |  |  |
|             | M            | 90             | 0.90            | 66.8                                    | 53.5 | 44.6 | 33.4 | 26.7 | 22.3 | 17.8 | 13.4 | 3.07 | 2.05 | 1.53                     | 1.23 |      |  |  |
|             | M            | 100            | 0.95            | 70.5                                    | 56.4 | 47.0 | 35.3 | 28.2 | 23.5 | 18.8 | 14.1 | 3.24 | 2.16 | 1.62                     | 1.30 |      |  |  |
|             | M            | 115            | 1.02            | 75.7                                    | 60.6 | 50.5 | 37.9 | 30.3 | 25.2 | 20.2 | 15.1 | 3.48 | 2.32 | 1.74                     | 1.39 |      |  |  |
|             | 08           | XC             | 20              | 0.57                                    | 42.3 | 33.9 | 28.2 | 21.2 | 16.9 | 14.1 | 11.3 | 8.5  | 1.94 | 1.30                     | 0.97 | 0.78 |  |  |
| VC          |              | 30             | 0.69            | 51.2                                    | 41.0 | 34.2 | 25.6 | 20.5 | 17.1 | 13.7 | 10.2 | 2.35 | 1.57 | 1.18                     | 0.94 |      |  |  |
| VC          |              | 40             | 0.80            | 59.4                                    | 47.5 | 39.6 | 29.7 | 23.8 | 19.8 | 15.8 | 11.9 | 2.73 | 1.82 | 1.36                     | 1.09 |      |  |  |
| M           |              | 50             | 0.89            | 66.1                                    | 52.9 | 44.1 | 33.0 | 26.4 | 22.0 | 17.6 | 13.2 | 3.03 | 2.02 | 1.52                     | 1.21 |      |  |  |
| M           |              | 60             | 0.98            | 72.8                                    | 58.2 | 48.5 | 36.4 | 29.1 | 24.3 | 19.4 | 14.6 | 3.34 | 2.23 | 1.67                     | 1.34 |      |  |  |
| M           |              | 70             | 1.06            | 78.7                                    | 63.0 | 52.5 | 39.4 | 31.5 | 26.2 | 21.0 | 15.7 | 3.61 | 2.41 | 1.81                     | 1.45 |      |  |  |
| M           |              | 80             | 1.13            | 83.9                                    | 67.1 | 55.9 | 42.0 | 33.6 | 28.0 | 22.4 | 16.8 | 3.85 | 2.57 | 1.93                     | 1.54 |      |  |  |
| M           |              | 90             | 1.20            | 89.1                                    | 71.3 | 59.4 | 44.6 | 35.6 | 29.7 | 23.8 | 17.8 | 4.09 | 2.73 | 2.05                     | 1.64 |      |  |  |
| M           |              | 100            | 1.26            | 93.                                     |      |      |      |      |      |      |      |      |      |                          |      |      |  |  |



120° wide, non-air inducted spray pattern for superior coverage in many spraying applications.



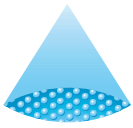
20° pattern incline; alternate nozzles for a twin spray pattern, excellent for suspension based tank mixes.

**Metric Units**

| Noz-<br>zle<br>Size | Droplet<br>Size | Pressure<br>(BAR) | Flow<br>Rate<br>(LPM) | Application Rate L/Ha -50 cm Spacing<br>KM/H |     |     |     |     |     |     |     |
|---------------------|-----------------|-------------------|-----------------------|--|-----|-----|-----|-----|-----|-----|-----|
|                     |                 |                   |                       | 7  | 8   | 10  | 12  | 15  | 20  | 25  | 30  |
| 015                 | -               | 1,5               | 0,42                  | 72   | 63  | 50  | 42  | 34  | 25  | 20  | 17  |
|                     | M               | 2                 | 0,49                  | 84   | 74  | 59  | 49  | 39  | 29  | 24  | 20  |
|                     | M               | 3                 | 0,60                  | 103  | 90  | 72  | 60  | 48  | 36  | 29  | 24  |
|                     | M               | 4                 | 0,69                  | 118  | 104 | 83  | 69  | 55  | 41  | 33  | 28  |
|                     | M               | 5                 | 0,77                  | 132  | 116 | 92  | 77  | 62  | 46  | 37  | 31  |
|                     | M               | 6                 | 0,85                  | 146  | 128 | 102 | 85  | 68  | 51  | 41  | 34  |
|                     | M               | 7                 | 0,92                  | 158  | 138 | 110 | 92  | 74  | 55  | 44  | 37  |
|                     | M               | 8                 | 0,98                  | 168  | 147 | 118 | 98  | 78  | 59  | 47  | 39  |
| 02                  | -               | 1,5               | 0,57                  | 98   | 86  | 68  | 57  | 46  | 34  | 27  | 23  |
|                     | M               | 2                 | 0,65                  | 111  | 98  | 78  | 65  | 52  | 39  | 31  | 26  |
|                     | M               | 3                 | 0,80                  | 137  | 120 | 96  | 80  | 64  | 48  | 38  | 32  |
|                     | M               | 4                 | 0,92                  | 158  | 138 | 110 | 92  | 74  | 55  | 44  | 37  |
|                     | M               | 5                 | 1,03                  | 177  | 155 | 124 | 103 | 82  | 62  | 49  | 41  |
|                     | M               | 6                 | 1,13                  | 194  | 170 | 136 | 113 | 90  | 68  | 54  | 45  |
|                     | M               | 7                 | 1,22                  | 209  | 183 | 146 | 122 | 98  | 73  | 59  | 49  |
|                     | M               | 8                 | 1,31                  | 225  | 197 | 157 | 131 | 105 | 79  | 63  | 52  |
| 025                 | -               | 1,5               | 0,71                  | 122  | 107 | 85  | 71  | 57  | 43  | 34  | 28  |
|                     | M               | 2                 | 0,82                  | 141  | 123 | 98  | 82  | 66  | 49  | 39  | 33  |
|                     | M               | 3                 | 1,00                  | 171  | 150 | 120 | 100 | 80  | 60  | 48  | 40  |
|                     | M               | 4                 | 1,15                  | 197  | 173 | 138 | 115 | 92  | 69  | 55  | 46  |
|                     | M               | 5                 | 1,29                  | 221  | 194 | 155 | 129 | 103 | 77  | 62  | 52  |
|                     | M               | 6                 | 1,41                  | 242  | 212 | 169 | 141 | 113 | 85  | 68  | 56  |
|                     | M               | 7                 | 1,53                  | 262  | 230 | 184 | 153 | 122 | 92  | 73  | 61  |
|                     | M               | 8                 | 1,63                  | 279  | 245 | 196 | 163 | 130 | 98  | 78  | 65  |
| 03                  | C               | 1,5               | 0,85                  | 146  | 128 | 102 | 85  | 68  | 51  | 41  | 34  |
|                     | M               | 2                 | 0,98                  | 168  | 147 | 118 | 98  | 78  | 59  | 47  | 39  |
|                     | M               | 3                 | 1,20                  | 206  | 180 | 144 | 120 | 96  | 72  | 58  | 48  |
|                     | M               | 4                 | 1,39                  | 238  | 209 | 167 | 139 | 111 | 83  | 67  | 56  |
|                     | M               | 5                 | 1,55                  | 266  | 233 | 186 | 155 | 124 | 93  | 74  | 62  |
|                     | M               | 6                 | 1,70                  | 291  | 255 | 204 | 170 | 136 | 102 | 82  | 68  |
|                     | M               | 7                 | 1,83                  | 314  | 275 | 220 | 183 | 146 | 110 | 88  | 73  |
|                     | M               | 8                 | 1,96                  | 336  | 294 | 235 | 196 | 157 | 118 | 94  | 78  |
| 04                  | VC              | 1,5               | 1,13                  | 194  | 170 | 136 | 113 | 90  | 68  | 54  | 45  |
|                     | VC              | 2                 | 1,31                  | 225  | 197 | 157 | 131 | 105 | 79  | 63  | 52  |
|                     | C               | 3                 | 1,60                  | 274  | 240 | 192 | 160 | 128 | 96  | 77  | 64  |
|                     | C               | 4                 | 1,85                  | 317  | 278 | 222 | 185 | 148 | 111 | 89  | 74  |
|                     | M               | 5                 | 2,07                  | 355  | 311 | 248 | 207 | 166 | 124 | 99  | 83  |
|                     | M               | 6                 | 2,26                  | 387  | 339 | 271 | 226 | 181 | 136 | 108 | 90  |
|                     | M               | 7                 | 2,44                  | 418  | 366 | 293 | 244 | 195 | 146 | 117 | 98  |
|                     | M               | 8                 | 2,61                  | 447  | 392 | 313 | 261 | 209 | 157 | 125 | 104 |
| 05                  | XC              | 1,5               | 1,41                  | 242  | 212 | 169 | 141 | 113 | 85  | 68  | 56  |
|                     | XC              | 2                 | 1,63                  | 279  | 245 | 196 | 163 | 130 | 98  | 78  | 65  |
|                     | VC              | 3                 | 2,00                  | 343  | 300 | 240 | 200 | 160 | 120 | 96  | 80  |
|                     | C               | 4                 | 2,31                  | 396  | 347 | 277 | 231 | 185 | 139 | 111 | 92  |
|                     | M               | 5                 | 2,58                  | 442  | 387 | 310 | 258 | 206 | 155 | 124 | 103 |
|                     | M               | 6                 | 2,83                  | 485  | 425 | 340 | 283 | 226 | 170 | 136 | 113 |
|                     | M               | 7                 | 3,06                  | 525  | 459 | 367 | 306 | 245 | 184 | 147 | 122 |
|                     | F               | 8                 | 3,27                  | 561  | 491 | 392 | 327 | 262 | 196 | 157 | 131 |
| 06                  | XC              | 1,5               | 1,70                  | 291  | 255 | 204 | 170 | 136 | 102 | 82  | 68  |
|                     | XC              | 2                 | 1,96                  | 336  | 294 | 235 | 196 | 157 | 118 | 94  | 78  |
|                     | VC              | 3                 | 2,40                  | 411  | 360 | 288 | 240 | 192 | 144 | 115 | 96  |
|                     | C               | 4                 | 2,77                  | 475  | 416 | 332 | 277 | 222 | 166 | 133 | 111 |
|                     | M               | 5                 | 3,10                  | 531  | 465 | 372 | 310 | 248 | 186 | 149 | 124 |
|                     | M               | 6                 | 3,39                  | 581  | 509 | 407 | 339 | 271 | 203 | 163 | 136 |
|                     | M               | 7                 | 3,67                  | 629  | 551 | 440 | 367 | 294 | 220 | 176 | 147 |
|                     | M               | 8                 | 3,92                  | 672  | 588 | 470 | 392 | 314 | 235 | 188 | 157 |
| 08                  | XC              | 1,5               | 2,26                  | 387  | 339 | 271 | 226 | 181 | 136 | 108 | 90  |
|                     | VC              | 2                 | 2,61                  | 447  | 392 | 313 | 261 | 209 | 157 | 125 | 104 |
|                     | C               | 3                 | 3,20                  | 549  | 480 | 384 | 320 | 256 | 192 | 154 | 128 |
|                     | M               | 4                 | 3,70                  | 634  | 555 | 444 | 370 | 296 | 222 | 178 | 148 |
|                     | M               | 5                 | 4,13                  | 708  | 620 | 496 | 413 | 330 | 248 | 198 | 165 |
|                     | M               | 6                 | 4,53                  | 777  | 680 | 544 | 453 | 362 | 272 | 217 | 181 |
|                     | M               | 7                 | 4,89                  | 838  | 734 | 587 | 489 | 391 | 293 | 235 | 196 |
|                     | F               | 8                 | 5,23                  | 897  | 785 | 628 | 523 | 418 | 314 | 251 | 209 |

Droplet size based on ASABE S572.1 standard.

| Features                    |                                   |
|-----------------------------|-----------------------------------|
| Common Use                  | Plant Health                      |
| Pattern                     | Tapered Flat Fan                  |
| Technology                  | Pre-Orifice                       |
| Material                    | Polyacetal                        |
| Spray Angle                 | 120°                              |
| Pressure Range              | 20-115 PSI (1-8 BAR)              |
| Configuration               | FastCap Complete                  |
| Optimum Boom Height         |                                   |
| 15" (35 cm) Spacing         | 13" (33 cm)                       |
| 20" (50 cm) Spacing         | 18" (46 cm)                       |
| Part Numbers                |                                   |
| FastCaps® 120°              |                                   |
| GRD120-015                  |                                   |
| GRD120-02                   |                                   |
| GRD120-025                  |                                   |
| GRD120-03                   |                                   |
| GRD120-04                   |                                   |
| GRD120-05                   |                                   |
| GRD120-06                   |                                   |
| GRD120-08                   |                                   |
| Replacement Nozzle Strainer |                                   |
| TS02-100                    | 100 mesh strainer for size 015-03 |
| TS02-50                     | 50 mesh strainer for size 04-08   |
| Replacement Cap Gasket      |                                   |
| 22W11MF64                   |                                   |



# Lo-Drift 80° & 110°



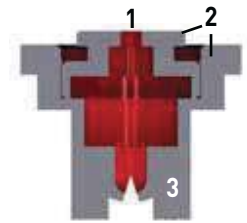
The Lo-Drift is the original drift-reducing nozzle. The special two-part construction includes a pre-orifice, which reduces the number of drift prone droplets.

- Significantly reduces spray drift, widening the operational window
- Balanced droplet size for effective, on-target spray
- Available in acid-resistant PVDF (See page 190)

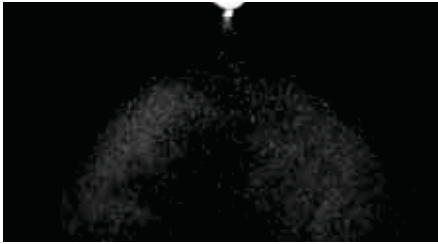
## US Units

| Nozzle Size | Droplet Size |      | Pressure (PSI) | Flow Rate (GPM) | Gallons per Acre 20 inch nozzle spacing |      |      |      |      |      |      |      |      |      | GAL/1000 Ft <sup>2</sup> |      |  |  |  |
|-------------|--------------|------|----------------|-----------------|---|------|------|------|------|------|------|------|------|------|--------------------------|------|--|--|--|
|             | 80°          | 110° |                |                 | MPH                                     |      |      |      |      |      |      |      |      |      | 20 inch nozzle spacing   |      |  |  |  |
|             |              |      |                |                 | 4                                       | 5    | 6    | 8    | 10   | 12   | 15   | 20   | 2    | 3    | 4                        | 5    |  |  |  |
| 015         | M            | M    | 20             | 0.11            | 8.2                                     | 6.5  | 5.4  | 4.1  | 3.3  | 2.7  | 2.2  | 1.6  | 0.38 | 0.25 | 0.19                     | 0.15 |  |  |  |
|             | M            | M    | 30             | 0.13            | 9.7                                     | 7.7  | 6.4  | 4.8  | 3.9  | 3.2  | 2.6  | 1.9  | 0.44 | 0.30 | 0.22                     | 0.18 |  |  |  |
|             | M            | M    | 40             | 0.15            | 11.1                                    | 8.9  | 7.4  | 5.6  | 4.5  | 3.7  | 3.0  | 2.2  | 0.51 | 0.34 | 0.26                     | 0.20 |  |  |  |
|             | M            | F    | 50             | 0.17            | 12.6                                    | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58 | 0.39 | 0.29                     | 0.23 |  |  |  |
|             | M            | F    | 60             | 0.18            | 13.4                                    | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7  | 0.61 | 0.41 | 0.31                     | 0.25 |  |  |  |
|             | M            | F    | 70             | 0.20            | 14.9                                    | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68 | 0.45 | 0.34                     | 0.27 |  |  |  |
| 02          | C            | M    | 20             | 0.14            | 10.4                                    | 8.3  | 6.9  | 5.2  | 4.2  | 3.5  | 2.8  | 2.1  | 0.48 | 0.32 | 0.24                     | 0.19 |  |  |  |
|             | C            | M    | 30             | 0.17            | 12.6                                    | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58 | 0.39 | 0.29                     | 0.23 |  |  |  |
|             | M            | F    | 40             | 0.20            | 14.9                                    | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68 | 0.45 | 0.34                     | 0.27 |  |  |  |
|             | M            | F    | 50             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75 | 0.50 | 0.38                     | 0.30 |  |  |  |
|             | M            | F    | 60             | 0.24            | 17.8                                    | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82 | 0.55 | 0.41                     | 0.33 |  |  |  |
|             | M            | F    | 70             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89 | 0.59 | 0.44                     | 0.35 |  |  |  |
| 025         | -            | M    | 20             | 0.18            | 13.4                                    | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7  | 0.61 | 0.41 | 0.31                     | 0.25 |  |  |  |
|             | -            | M    | 30             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75 | 0.50 | 0.38                     | 0.30 |  |  |  |
|             | -            | M    | 40             | 0.25            | 18.6                                    | 14.9 | 12.4 | 9.3  | 7.4  | 6.2  | 5.0  | 3.7  | 0.85 | 0.57 | 0.43                     | 0.34 |  |  |  |
|             | -            | M    | 50             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95 | 0.64 | 0.48                     | 0.38 |  |  |  |
|             | -            | M    | 60             | 0.31            | 23.0                                    | 18.4 | 15.3 | 11.5 | 9.2  | 7.7  | 6.1  | 4.6  | 1.06 | 0.70 | 0.53                     | 0.42 |  |  |  |
|             | -            | M    | 70             | 0.33            | 24.5                                    | 19.6 | 16.3 | 12.3 | 9.8  | 8.2  | 6.5  | 4.9  | 1.13 | 0.75 | 0.56                     | 0.45 |  |  |  |
| 03          | C            | C    | 20             | 0.21            | 15.6                                    | 12.5 | 10.4 | 7.8  | 6.2  | 5.2  | 4.2  | 3.1  | 0.72 | 0.48 | 0.36                     | 0.29 |  |  |  |
|             | C            | M    | 30             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89 | 0.59 | 0.44                     | 0.35 |  |  |  |
|             | C            | M    | 40             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02 | 0.68 | 0.51                     | 0.41 |  |  |  |
|             | M            | M    | 50             | 0.34            | 25.2                                    | 20.2 | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0  | 1.16 | 0.77 | 0.58                     | 0.46 |  |  |  |
|             | M            | M    | 60             | 0.37            | 27.5                                    | 22.0 | 18.3 | 13.7 | 11.0 | 9.2  | 7.3  | 5.5  | 1.26 | 0.84 | 0.63                     | 0.50 |  |  |  |
|             | M            | M    | 70             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36 | 0.91 | 0.68                     | 0.55 |  |  |  |
| 04          | C            | C    | 20             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95 | 0.64 | 0.48                     | 0.38 |  |  |  |
|             | C            | M    | 30             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19 | 0.80 | 0.60                     | 0.48 |  |  |  |
|             | C            | M    | 40             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36 | 0.91 | 0.68                     | 0.55 |  |  |  |
|             | M            | M    | 50             | 0.45            | 33.4                                    | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53 | 1.02 | 0.77                     | 0.61 |  |  |  |
|             | M            | M    | 60             | 0.49            | 36.4                                    | 29.1 | 24.3 | 18.2 | 14.6 | 12.1 | 9.7  | 7.3  | 1.67 | 1.11 | 0.84                     | 0.67 |  |  |  |
|             | M            | M    | 70             | 0.53            | 39.4                                    | 31.5 | 26.2 | 19.7 | 15.7 | 13.1 | 10.5 | 7.9  | 1.81 | 1.20 | 0.90                     | 0.72 |  |  |  |
| 05          | C            | C    | 20             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19 | 0.80 | 0.60                     | 0.48 |  |  |  |
|             | C            | C    | 30             | 0.43            | 31.9                                    | 25.5 | 21.3 | 16.0 | 12.8 | 10.6 | 8.5  | 6.4  | 1.47 | 0.98 | 0.73                     | 0.59 |  |  |  |
|             | C            | M    | 40             | 0.50            | 37.1                                    | 29.7 | 24.8 | 18.6 | 14.9 | 12.4 | 9.9  | 7.4  | 1.71 | 1.14 | 0.85                     | 0.68 |  |  |  |
|             | C            | M    | 50             | 0.56            | 41.6                                    | 33.3 | 27.7 | 20.8 | 16.6 | 13.9 | 11.1 | 8.3  | 1.91 | 1.27 | 0.95                     | 0.76 |  |  |  |
|             | C            | M    | 60             | 0.61            | 45.3                                    | 36.2 | 30.2 | 22.6 | 18.1 | 15.1 | 12.1 | 9.1  | 2.08 | 1.39 | 1.04                     | 0.83 |  |  |  |
|             | M            | F    | 70             | 0.66            | 49.0                                    | 39.2 | 32.7 | 24.5 | 19.6 | 16.3 | 13.1 | 9.8  | 2.25 | 1.50 | 1.13                     | 0.90 |  |  |  |
| 06          | VC           | VC   | 20             | 0.42            | 31.2                                    | 24.9 | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43 | 0.95 | 0.72                     | 0.57 |  |  |  |
|             | VC           | C    | 30             | 0.52            | 38.6                                    | 30.9 | 25.7 | 19.3 | 15.4 | 12.9 | 10.3 | 7.7  | 1.77 | 1.18 | 0.89                     | 0.71 |  |  |  |
|             | C            | M    | 40             | 0.60            | 44.6                                    | 35.6 | 29.7 | 22.3 | 17.8 | 14.9 | 11.9 | 8.9  | 2.05 | 1.36 | 1.02                     | 0.82 |  |  |  |
|             | C            | M    | 50             | 0.67            | 49.7                                    | 39.8 | 33.2 | 24.9 | 19.9 | 16.6 | 13.3 | 9.9  | 2.28 | 1.52 | 1.14                     | 0.91 |  |  |  |
|             | C            | M    | 60             | 0.73            | 54.2                                    | 43.4 | 36.1 | 27.1 | 21.7 | 18.1 | 14.5 | 10.8 | 2.49 | 1.66 | 1.24                     | 1.00 |  |  |  |
|             | C            | M    | 70             | 0.79            | 58.7                                    | 46.9 | 39.1 | 29.3 | 23.5 | 19.6 | 15.6 | 11.7 | 2.69 | 1.80 | 1.35                     | 1.08 |  |  |  |
| 08          | XC           | VC   | 20             | 0.57            | 42.3                                    | 33.9 | 28.2 | 21.2 | 16.9 | 14.1 | 11.3 | 8.5  | 1.94 | 1.30 | 0.97                     | 0.78 |  |  |  |
|             | VC           | C    | 30             | 0.69            | 51.2                                    | 41.0 | 34.2 | 25.6 | 20.5 | 17.1 | 13.7 | 10.2 | 2.35 | 1.57 | 1.18                     | 0.94 |  |  |  |
|             | VC           | C    | 40             | 0.80            | 59.4                                    | 47.5 | 39.6 | 29.7 | 23.8 | 19.8 | 15.8 | 11.9 | 2.73 | 1.82 | 1.36                     | 1.09 |  |  |  |
|             | C            | M    | 50             | 0.89            | 66.1                                    | 52.9 | 44.1 | 33.0 | 26.4 | 22.0 | 17.6 | 13.2 | 3.03 | 2.02 | 1.52                     | 1.21 |  |  |  |
|             | C            | M    | 60             | 0.98            | 72.8                                    | 58.2 | 48.5 | 36.4 | 29.1 | 24.3 | 19.4 | 14.6 | 3.34 | 2.23 | 1.67                     | 1.34 |  |  |  |
|             | C            | M    | 70             | 1.06            | 78.7                                    | 63.0 | 52.5 | 39.4 | 31.5 | 26.2 | 21.0 | 15.7 | 3.61 | 2.41 | 1.81                     | 1.45 |  |  |  |

Droplet size based on ASABE S572.1 standard.



1. Non-Air Inducted; Pre-orifice design for excellent performance with suspension solutions
2. Dual component construction
3. Material: Polyacetal or PVDF



110° wide, drift reducing design that is excellent for suspension based tank mixes.



Pre-orifice design limits the formation of small droplets; reducing drift potential with a medium droplet spectrum.



See [www.hypospraytips.com/certifications](http://www.hypospraytips.com/certifications) for the latest drift reduction standard information.

### Metric Units

| Nozzle Size | ASABE Droplet Size |      | Pressure (BAR) | Flow Rate (LPM) | Application Rate L/Ha - 50 cm spacing KM/H |     |     |     |     |     |     | Drift Reduction Standards<br>LERAP |                         |
|-------------|--------------------|------|----------------|-----------------|--|-----|-----|-----|-----|-----|-----|------------------------------------|-------------------------|
|             | 80°                | 110° |                |                 | 7  | 8   | 10  | 12  | 15  | 20  | 25  |                                    | 30                      |
| 015         | M                  | M    | 2              | 0,49            | 84   | 74  | 59  | 49  | 39  | 29  | 24  | 20                                 |                         |
|             | M                  | M    | 3              | 0,60            | 103  | 90  | 72  | 60  | 48  | 36  | 29  | 24                                 |                         |
|             | M                  | F    | 4              | 0,69            | 118  | 104 | 83  | 69  | 55  | 41  | 33  | 28                                 |                         |
| 02          | C                  | M    | 2              | 0,65            | 111  | 98  | 78  | 65  | 52  | 39  | 31  | 26                                 |                         |
|             | M                  | F    | 3              | 0,80            | 137  | 120 | 96  | 80  | 64  | 48  | 38  | 32                                 |                         |
|             | M                  | F    | 4              | 0,92            | 158  | 138 | 110 | 92  | 74  | 55  | 44  | 37                                 |                         |
| 025         | -                  | M    | 2              | 0,82            | 141  | 123 | 98  | 82  | 66  | 49  | 39  | 33                                 |                         |
|             | -                  | M    | 3              | 1,00            | 171  | 150 | 120 | 100 | 80  | 60  | 48  | 40                                 |                         |
|             | -                  | F    | 4              | 1,15            | 197  | 173 | 138 | 115 | 92  | 69  | 55  | 46                                 |                         |
| 03          | C                  | M    | 2              | 0,98            | 168  | 147 | 118 | 98  | 78  | 59  | 47  | 39                                 |                         |
|             | C                  | M    | 3              | 1,20            | 206  | 180 | 144 | 120 | 96  | 72  | 58  | 48                                 |                         |
|             | M                  | M    | 4              | 1,39            | 238  | 209 | 167 | 139 | 111 | 83  | 67  | 56                                 |                         |
| 04          | C                  | M    | 2              | 1,31            | 225  | 197 | 157 | 131 | 105 | 79  | 63  | 52                                 |                         |
|             | C                  | M    | 3              | 1,60            | 274  | 240 | 192 | 160 | 128 | 96  | 77  | 64                                 |                         |
|             | M                  | M    | 4              | 1,85            | 317  | 278 | 222 | 185 | 148 | 111 | 89  | 74                                 |                         |
| 05          | C                  | C    | 2              | 1,63            | 279  | 245 | 196 | 163 | 130 | 98  | 78  | 65                                 |                         |
|             | C                  | M    | 3              | 2,00            | 343  | 300 | 240 | 200 | 160 | 120 | 96  | 80                                 |                         |
|             | C                  | M    | 4              | 2,31            | 396  | 347 | 277 | 231 | 185 | 139 | 111 | 92                                 |                         |
| 06          | VC                 | C    | 2              | 1,96            | 336  | 294 | 235 | 196 | 157 | 118 | 94  | 78                                 | 75% +<br>2.0-3.0<br>BAR |
|             | C                  | M    | 3              | 2,40            | 411  | 360 | 288 | 240 | 192 | 144 | 115 | 96                                 |                         |
|             | C                  | M    | 4              | 2,77            | 475  | 416 | 332 | 277 | 222 | 166 | 133 | 111                                |                         |
| 08          | VC                 | C    | 2              | 2,61            | 447  | 392 | 313 | 261 | 209 | 157 | 125 | 104                                |                         |
|             | VC                 | C    | 3              | 3,20            | 549  | 480 | 384 | 320 | 256 | 192 | 154 | 128                                |                         |
|             | C                  | M    | 4              | 3,70            | 634  | 555 | 444 | 370 | 296 | 222 | 178 | 148                                |                         |

Droplet size based on ASABE S572.1 standard.

| Features                   |                     |
|----------------------------|---------------------|
| Common Use                 | Plant Health        |
| Pattern                    | Tapered Flat Fan    |
| Technology                 | Pre-Orifice         |
| Material                   | Polyacetal          |
| Spray Angle                | 80° & 110°          |
| Pressure Range             | 20-70 PSI (1-5 BAR) |
| Configuration              | Nozzles, FastCap    |
| Optimum Boom Height        |                     |
| 80° - 15" (35 cm) Spacing  | 22" (56 cm)         |
| 80° - 20" (50 cm) Spacing  | 30" (76 cm)         |
| 110° - 15" (35 cm) Spacing | 15" (35 cm)         |
| 110° - 20" (50 cm) Spacing | 20" (50 cm)         |
| Part Numbers               |                     |
| Nozzles 80°                | Caps (25 Packs)     |
| LD80-015                   | CAP00-015           |
| LD80-02                    | CAP00-02            |
| LD80-03                    | CAP00-03            |
| LD80-04                    | CAP00-04            |
| LD80-05                    | CAP00-05            |
| LD80-06                    | CAP00-06            |
| LD80-08                    | CAP00-08            |
| Nozzles 110°               | Caps (25 Packs)     |
| LD110-015                  | CAP00-015           |
| LD110-02                   | CAP00-02            |
| LD110-025*                 | CAP00-025           |
| LD110-03                   | CAP00-03            |
| LD110-04*                  | CAP00-04            |
| LD110-05*                  | CAP00-05            |
| LD110-06*                  | CAP00-06            |
| LD110-08                   | CAP00-08            |

\*Approved by JKI



# Ceramic ADI 110°



The Albus® ADI anti-drift spray nozzle provides a versatile balance of drift reduction and target coverage. The proven pre-orifice design creates droplets that are well suited for a wide range of spray applications. The ceramic orifice resists wear better than other materials and will provide acre after acre of service.

- Droplet size balances drift reduction and target coverage
- Simple and effective pre-orifice design
- Versatile and long-lasting nozzle

## US Units

| Nozzle Size | Droplet Size | Pressure (PSI) | Flow Rate (GPM) | Gallons per Acre 20 inch nozzle spacing |      |      |      |      |      |      |     | GAL/1000 Ft <sup>2</sup> |      |      |      |  |
|-------------|--------------|----------------|-----------------|---|------|------|------|------|------|------|-----|--------------------------|------|------|------|--|
|             |              |                |                 | MPH                                     |      |      |      |      |      |      |     | 20 inch nozzle spacing   |      |      |      |  |
|             |              |                |                 | 4                                       | 5    | 6    | 8    | 10   | 12   | 15   | 20  | 2                        | 3    | 4    | 5    |  |
| 01          | M            | 30             | 0.09            | 6.7                                     | 5.3  | 4.5  | 3.3  | 2.7  | 2.2  | 1.8  | 1.3 | 0.31                     | 0.20 | 0.15 | 0.12 |  |
|             | M            | 40             | 0.10            | 7.4                                     | 5.9  | 5.0  | 3.7  | 3.0  | 2.5  | 2.0  | 1.5 | 0.34                     | 0.23 | 0.17 | 0.14 |  |
|             | F            | 50             | 0.11            | 8.2                                     | 6.5  | 5.4  | 4.1  | 3.3  | 2.7  | 2.2  | 1.6 | 0.38                     | 0.25 | 0.19 | 0.15 |  |
|             | F            | 60             | 0.12            | 8.9                                     | 7.1  | 5.9  | 4.5  | 3.6  | 3.0  | 2.4  | 1.8 | 0.41                     | 0.27 | 0.20 | 0.16 |  |
|             | F            | 70             | 0.13            | 9.7                                     | 7.7  | 6.4  | 4.8  | 3.9  | 3.2  | 2.6  | 1.9 | 0.44                     | 0.30 | 0.22 | 0.18 |  |
| 015         | M            | 30             | 0.13            | 9.7                                     | 7.7  | 6.4  | 4.8  | 3.9  | 3.2  | 2.6  | 1.9 | 0.44                     | 0.30 | 0.22 | 0.18 |  |
|             | M            | 40             | 0.15            | 11.1                                    | 8.9  | 7.4  | 5.6  | 4.5  | 3.7  | 3.0  | 2.2 | 0.51                     | 0.34 | 0.26 | 0.20 |  |
|             | M            | 50             | 0.17            | 12.6                                    | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5 | 0.58                     | 0.39 | 0.29 | 0.23 |  |
|             | M            | 60             | 0.18            | 13.4                                    | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7 | 0.61                     | 0.41 | 0.31 | 0.25 |  |
|             | M            | 70             | 0.20            | 14.9                                    | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0 | 0.68                     | 0.45 | 0.34 | 0.27 |  |
| 02          | M            | 30             | 0.17            | 12.6                                    | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5 | 0.58                     | 0.39 | 0.29 | 0.23 |  |
|             | M            | 40             | 0.20            | 14.9                                    | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0 | 0.68                     | 0.45 | 0.34 | 0.27 |  |
|             | M            | 50             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3 | 0.75                     | 0.50 | 0.38 | 0.30 |  |
|             | M            | 60             | 0.24            | 17.8                                    | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6 | 0.82                     | 0.55 | 0.41 | 0.33 |  |
|             | M            | 70             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9 | 0.89                     | 0.59 | 0.44 | 0.35 |  |
| 03          | C            | 30             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9 | 0.89                     | 0.59 | 0.44 | 0.35 |  |
|             | M            | 40             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5 | 1.02                     | 0.68 | 0.51 | 0.41 |  |
|             | M            | 50             | 0.34            | 25.2                                    | 20.2 | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0 | 1.16                     | 0.77 | 0.58 | 0.46 |  |
|             | M            | 60             | 0.37            | 27.5                                    | 22.0 | 18.3 | 13.7 | 11.0 | 9.2  | 7.3  | 5.5 | 1.26                     | 0.84 | 0.63 | 0.50 |  |
|             | M            | 70             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9 | 1.36                     | 0.91 | 0.68 | 0.55 |  |
| 04          | VC           | 30             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2 | 1.19                     | 0.80 | 0.60 | 0.48 |  |
|             | C            | 40             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9 | 1.36                     | 0.91 | 0.68 | 0.55 |  |
|             | C            | 50             | 0.45            | 33.4                                    | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7 | 1.53                     | 1.02 | 0.77 | 0.61 |  |
|             | C            | 60             | 0.49            | 36.4                                    | 29.1 | 24.3 | 18.2 | 14.6 | 12.1 | 9.7  | 7.3 | 1.67                     | 1.11 | 0.84 | 0.67 |  |
|             | M            | 70             | 0.53            | 39.4                                    | 31.5 | 26.2 | 19.7 | 15.7 | 13.1 | 10.5 | 7.9 | 1.81                     | 1.20 | 0.90 | 0.72 |  |

Droplet size based on ASABE S572.1 standard.

## Metric Units

| Nozzle Size | Droplet Size | Pressure (PSI) | Flow Rate (L/min) | Gallons per Acre 20 inch nozzle spacing |     |     |     |     |     |     |     |     |     |
|-------------|--------------|----------------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|             |              |                |                   | MPH                                     |     |     |     |     |     |     |     |     |     |
|             |              |                |                   | 6                                       | 8   | 10  | 12  | 14  | 16  | 18  | 20  | 25  | 30  |
| 01          | F            | 2              | 0.33              | 87                                      | 65  | 52  | 43  | 37  | 33  | 29  | 26  | 21  | 17  |
|             | F            | 3              | 0.40              | 105                                     | 79  | 63  | 53  | 45  | 39  | 35  | 32  | 25  | 21  |
|             | F            | 4              | 0.46              | 121                                     | 91  | 73  | 61  | 52  | 45  | 40  | 36  | 29  | 24  |
|             | VF           | 5              | 0.52              | 137                                     | 103 | 82  | 68  | 59  | 51  | 46  | 41  | 33  | 27  |
| 02          | F            | 2              | 0.49              | 129                                     | 97  | 77  | 64  | 55  | 48  | 43  | 39  | 31  | 26  |
|             | F            | 3              | 0.60              | 158                                     | 118 | 95  | 79  | 68  | 59  | 53  | 47  | 38  | 32  |
|             | F            | 4              | 0.69              | 182                                     | 136 | 109 | 91  | 78  | 68  | 61  | 54  | 44  | 36  |
|             | F            | 5              | 0.77              | 203                                     | 152 | 122 | 101 | 87  | 76  | 68  | 61  | 49  | 41  |
| 03          | M            | 2              | 0.65              | 171                                     | 128 | 103 | 86  | 73  | 64  | 57  | 51  | 41  | 34  |
|             | M            | 3              | 0.80              | 211                                     | 158 | 126 | 105 | 90  | 79  | 70  | 63  | 51  | 42  |
|             | F            | 4              | 0.92              | 242                                     | 182 | 145 | 121 | 104 | 91  | 81  | 73  | 58  | 48  |
|             | F            | 5              | 1.03              | 271                                     | 203 | 163 | 136 | 116 | 102 | 90  | 81  | 65  | 54  |
| 04          | M            | 2              | 0.98              | 258                                     | 193 | 155 | 129 | 111 | 97  | 86  | 77  | 62  | 52  |
|             | M            | 3              | 1.20              | 316                                     | 237 | 189 | 158 | 135 | 118 | 105 | 95  | 76  | 63  |
|             | M            | 4              | 1.39              | 366                                     | 274 | 219 | 183 | 157 | 137 | 122 | 110 | 88  | 73  |
|             | F            | 5              | 1.55              | 408                                     | 306 | 245 | 204 | 175 | 153 | 136 | 122 | 98  | 82  |
| 05          | M            | 2              | 1.31              | 345                                     | 259 | 207 | 172 | 148 | 129 | 115 | 103 | 83  | 69  |
|             | M            | 3              | 1.60              | 421                                     | 316 | 253 | 211 | 180 | 158 | 140 | 126 | 101 | 84  |
|             | M            | 4              | 1.85              | 487                                     | 365 | 292 | 243 | 209 | 183 | 162 | 146 | 117 | 97  |
|             | M            | 5              | 2.07              | 545                                     | 409 | 327 | 272 | 233 | 204 | 182 | 163 | 131 | 109 |
| 06          | M            | 2              | 1.96              | 516                                     | 387 | 309 | 258 | 221 | 193 | 172 | 155 | 124 | 103 |
|             | M            | 3              | 2.40              | 632                                     | 474 | 379 | 316 | 271 | 237 | 211 | 189 | 152 | 126 |
|             | M            | 4              | 2.77              | 729                                     | 547 | 437 | 364 | 312 | 273 | 243 | 219 | 175 | 146 |
|             | M            | 5              | 3.10              | 816                                     | 612 | 489 | 408 | 350 | 306 | 272 | 245 | 196 | 163 |

Droplet size based on ASABE S572.1 standard.

| Features            |                     |
|---------------------|---------------------|
| Common Use          | Plant Health        |
| Pattern             | Tapered Flat Fan    |
| Technology          | Air Induction       |
| Material            | Ceramic             |
|                     | 110°                |
| Pressure Range      | 30-70 PSI [2-5 BAR] |
| Configuration       | Nozzles             |
| Optimum Boom Height |                     |
| 15" [35 cm] Spacing | 15" [35 cm]         |
| 20" [50 cm] Spacing | 20" [50 cm]         |
| Part Numbers        |                     |
| Nozzles 110°        | Caps [25 Pack]      |
| ADI-11001           | CAP00-01            |
| ADI-110015          | CAP00-015           |
| ADI-11002           | CAP00-02            |
| ADI-11003           | CAP00-03            |
| ADI-11004           | CAP00-04            |

# SprayIT Mobile App

## Select the right nozzle sized for your application

- Choose 'Select by Application' for a full list of nozzles that fit your application requirements
- Choose 'Select by Chemical' (US only) for a recommended nozzle family based on the chemical you are using
- Search for a specific nozzle or chemical directly from the home screen
- Integrated Where to Buy tool makes purchasing easy
- Available in US and Metric Units and multiple languages



Search  
'SprayIT' on the  
Apple Store or  
Android Market



# SprayIT Online Calculator

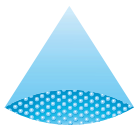
The SprayIT Calculator is an easy-to-use tool that will help you find the right spray nozzle for your desired application. Simply answer a few questions about your specific application and we'll supply you the best nozzles for that application.

This tool is available on the Hypro website or as a mobile app available for both Apple and Android devices.

[sprayit.hyprospraytips.com](http://sprayit.hyprospraytips.com)







# Variable Pressure 80° & 110°



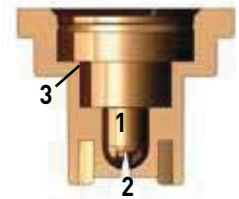
Variable Pressure nozzle maintain a consistent spray angle over a wide pressure range down to 20 PSI [1 BAR] and are available in 80° and 110° versions to work with different boom heights.

- Adjustable droplet size according to pressure
- Maintains good spray distribution and makes larger droplets at low pressures
- FastCap includes nozzle, cap and gasket
- Excellent nozzle for a wide variety of herbicide and insecticide applications

## US Units

| Nozzle Size | Droplet Size |      | Pressure (PSI) | Flow Rate (GPM) | Gallons per Acre 20 inch nozzle spacing |      |      |      |      |      |      |      | GAL/1000ft <sup>2</sup> |      |      |      |
|-------------|--------------|------|----------------|-----------------|---|------|------|------|------|------|------|------|-------------------------|------|------|------|
|             | 80°          | 110° |                |                 | MPH                                     |      |      |      |      |      |      |      | 20 inch nozzle spacing  |      |      |      |
|             |              |      |                |                 | 4                                       | 5    | 6    | 8    | 10   | 12   | 15   | 20   | 2                       | 3    | 4    | 5    |
| 015         | -            | -    | 20             | 0.11            | 8.2                                     | 6.5  | 5.4  | 4.1  | 3.3  | 2.7  | 2.2  | 1.6  | 0.38                    | 0.25 | 0.19 | 0.15 |
|             | F            | F    | 30             | 0.13            | 9.7                                     | 7.7  | 6.4  | 4.8  | 3.9  | 3.2  | 2.6  | 1.9  | 0.44                    | 0.30 | 0.22 | 0.18 |
|             | F            | F    | 40             | 0.15            | 11.1                                    | 8.9  | 7.4  | 5.6  | 4.5  | 3.7  | 3.0  | 2.2  | 0.51                    | 0.34 | 0.26 | 0.20 |
|             | F            | F    | 50             | 0.17            | 12.6                                    | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58                    | 0.39 | 0.29 | 0.23 |
|             | F            | F    | 60             | 0.18            | 13.4                                    | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7  | 0.61                    | 0.41 | 0.31 | 0.25 |
|             | VF           | VF   | 70             | 0.20            | 14.9                                    | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68                    | 0.45 | 0.34 | 0.27 |
| 02          | -            | -    | 20             | 0.14            | 10.4                                    | 8.3  | 6.9  | 5.2  | 4.2  | 3.5  | 2.8  | 2.1  | 0.48                    | 0.32 | 0.24 | 0.19 |
|             | F            | F    | 30             | 0.17            | 12.6                                    | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58                    | 0.39 | 0.29 | 0.23 |
|             | F            | F    | 40             | 0.20            | 14.9                                    | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68                    | 0.45 | 0.34 | 0.27 |
|             | F            | F    | 50             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75                    | 0.50 | 0.38 | 0.30 |
|             | F            | F    | 60             | 0.24            | 17.8                                    | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82                    | 0.55 | 0.41 | 0.33 |
|             | F            | F    | 70             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89                    | 0.59 | 0.44 | 0.35 |
| 025         | -            | M    | 20             | 0.18            | 13.4                                    | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7  | 0.61                    | 0.41 | 0.31 | 0.25 |
|             | -            | M    | 30             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75                    | 0.50 | 0.38 | 0.30 |
|             | -            | M    | 40             | 0.25            | 18.6                                    | 14.9 | 12.4 | 9.3  | 7.4  | 6.2  | 5.0  | 3.7  | 0.85                    | 0.57 | 0.43 | 0.34 |
|             | -            | M    | 50             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95                    | 0.64 | 0.48 | 0.38 |
|             | -            | M    | 60             | 0.31            | 23.0                                    | 18.4 | 15.3 | 11.5 | 9.2  | 7.7  | 6.1  | 4.6  | 1.06                    | 0.70 | 0.53 | 0.42 |
|             | -            | M    | 70             | 0.33            | 24.5                                    | 19.6 | 16.3 | 12.3 | 9.8  | 8.2  | 6.5  | 4.9  | 1.13                    | 0.75 | 0.56 | 0.45 |
| 03          | M            | M    | 20             | 0.21            | 15.6                                    | 12.5 | 10.4 | 7.8  | 6.2  | 5.2  | 4.2  | 3.1  | 0.72                    | 0.48 | 0.36 | 0.29 |
|             | M            | M    | 30             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89                    | 0.59 | 0.44 | 0.35 |
|             | F            | F    | 40             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02                    | 0.68 | 0.51 | 0.41 |
|             | F            | F    | 50             | 0.34            | 25.2                                    | 20.2 | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0  | 1.16                    | 0.77 | 0.58 | 0.46 |
|             | F            | F    | 60             | 0.37            | 27.5                                    | 22.0 | 18.3 | 13.7 | 11.0 | 9.2  | 7.3  | 5.5  | 1.26                    | 0.84 | 0.63 | 0.50 |
|             | F            | F    | 70             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36                    | 0.91 | 0.68 | 0.55 |
| 035         | -            | M    | 20             | 0.25            | 18.6                                    | 14.9 | 12.4 | 9.3  | 7.4  | 6.2  | 5.0  | 3.7  | 0.85                    | 0.57 | 0.43 | 0.34 |
|             | -            | M    | 30             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02                    | 0.68 | 0.51 | 0.41 |
|             | -            | M    | 40             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19                    | 0.80 | 0.60 | 0.48 |
|             | -            | M    | 50             | 0.39            | 29.0                                    | 23.2 | 19.3 | 14.5 | 11.6 | 9.7  | 7.7  | 5.8  | 1.33                    | 0.89 | 0.66 | 0.53 |
|             | -            | M    | 60             | 0.43            | 31.9                                    | 25.5 | 21.3 | 16.0 | 12.8 | 10.6 | 8.5  | 6.4  | 1.47                    | 0.98 | 0.73 | 0.59 |
|             | -            | M    | 70             | 0.46            | 34.2                                    | 27.3 | 22.8 | 17.1 | 13.7 | 11.4 | 9.1  | 6.8  | 1.57                    | 1.05 | 0.78 | 0.63 |
| 04          | C            | M    | 20             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95                    | 0.64 | 0.48 | 0.38 |
|             | M            | M    | 30             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19                    | 0.80 | 0.60 | 0.48 |
|             | M            | F    | 40             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36                    | 0.91 | 0.68 | 0.55 |
|             | F            | F    | 50             | 0.45            | 33.4                                    | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53                    | 1.02 | 0.77 | 0.61 |
|             | F            | F    | 60             | 0.49            | 36.4                                    | 29.1 | 24.3 | 18.2 | 14.6 | 12.1 | 9.7  | 7.3  | 1.67                    | 1.11 | 0.84 | 0.67 |
|             | F            | F    | 70             | 0.53            | 39.4                                    | 31.5 | 26.2 | 19.7 | 15.7 | 13.1 | 10.5 | 7.9  | 1.81                    | 1.20 | 0.90 | 0.72 |
| 05          | C            | M    | 20             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19                    | 0.80 | 0.60 | 0.48 |
|             | C            | M    | 30             | 0.43            | 31.9                                    | 25.5 | 21.3 | 16.0 | 12.8 | 10.6 | 8.5  | 6.4  | 1.47                    | 0.98 | 0.73 | 0.59 |
|             | M            | F    | 40             | 0.50            | 37.1                                    | 29.7 | 24.8 | 18.6 | 14.9 | 12.4 | 9.9  | 7.4  | 1.71                    | 1.14 | 0.85 | 0.68 |
|             | M            | F    | 50             | 0.56            | 41.6                                    | 33.3 | 27.7 | 20.8 | 16.6 | 13.9 | 11.1 | 8.3  | 1.91                    | 1.27 | 0.95 | 0.76 |
|             | M            | F    | 60             | 0.61            | 45.3                                    | 36.2 | 30.2 | 22.6 | 18.1 | 15.1 | 12.1 | 9.1  | 2.08                    | 1.39 | 1.04 | 0.83 |
|             | M            | F    | 70             | 0.66            | 49.0                                    | 39.2 | 32.7 | 24.5 | 19.6 | 16.3 | 13.1 | 9.8  | 2.25                    | 1.50 | 1.13 | 0.90 |
| 06          | C            | M    | 20             | 0.42            | 31.2                                    | 24.9 | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43                    | 0.95 | 0.72 | 0.57 |
|             | C            | M    | 30             | 0.52            | 38.6                                    | 30.9 | 25.7 | 19.3 | 15.4 | 12.9 | 10.3 | 7.7  | 1.77                    | 1.18 | 0.89 | 0.71 |
|             | M            | F    | 40             | 0.60            | 44.6                                    | 35.6 | 29.7 | 22.3 | 17.8 | 14.9 | 11.9 | 8.9  | 2.05                    | 1.36 | 1.02 | 0.82 |
|             | M            | F    | 50             | 0.67            | 49.7                                    | 39.8 | 33.2 | 24.9 | 19.9 | 16.6 | 13.3 | 9.9  | 2.28                    | 1.52 | 1.14 | 0.91 |
|             | M            | F    | 60             | 0.73            | 54.2                                    | 43.4 | 36.1 | 27.1 | 21.7 | 18.1 | 14.5 | 10.8 | 2.49                    | 1.66 | 1.24 | 1.00 |
|             | M            | F    | 70             | 0.79            | 58.7                                    | 46.9 | 39.1 | 29.3 | 23.5 | 19.6 | 15.6 | 11.7 | 2.69                    | 1.80 | 1.35 | 1.08 |
| 08          | -            | C    | 20             | 0.57            | 42.3                                    | 33.9 | 28.2 | 21.2 | 16.9 | 14.1 | 11.3 | 8.5  | 1.94                    | 1.30 | 0.97 | 0.78 |
|             | -            | C    | 30             | 0.69            | 51.2                                    | 41.0 | 34.2 | 25.6 | 20.5 | 17.1 | 13.7 | 10.2 | 2.35                    | 1.57 | 1.18 | 0.94 |
|             | -            | C    | 40             | 0.80            | 59.4                                    | 47.5 | 39.6 | 29.7 | 23.8 | 19.8 | 15.8 | 11.9 | 2.73                    | 1.82 | 1.36 | 1.09 |
|             | -            | C    | 50             | 0.89            | 66.1                                    | 52.9 | 44.1 | 33.0 | 26.4 | 22.0 | 17.6 | 13.2 | 3.03                    | 2.02 | 1.52 | 1.21 |
|             | -            | C    | 60             | 0.98            | 72.8                                    | 58.2 | 48.5 | 36.4 | 29.1 | 24.3 | 19.4 | 14.6 | 3.34                    | 2.23 | 1.67 | 1.34 |
|             | -            | C    | 70             | 1.06            | 78.7                                    | 63.0 | 52.5 | 39.4 | 31.5 | 26.2 | 21.0 | 15.7 | 3.61                    | 2.41 | 1.81 | 1.45 |
| 10          | -            | C    | 20             | 0.71            | 52.7                                    | 42.2 | 35.1 | 26.4 | 21.1 | 17.6 | 14.1 | 10.5 | 2.42                    | 1.61 | 1.21 | 0.97 |
|             | -            | C    | 30             | 0.87            | 64.6                                    | 51.7 | 43.1 | 32.3 | 25.8 | 21.5 | 17.2 | 12.9 | 2.97                    | 1.98 | 1.48 | 1.19 |
|             | -            | C    | 40             | 1.00            | 74.3                                    | 59.4 | 49.5 | 37.1 | 29.7 | 24.8 | 19.8 | 14.9 | 3.41                    | 2.27 | 1.71 | 1.36 |
|             | -            | C    | 50             | 1.12            | 83.2                                    | 66.5 | 55.4 | 41.6 | 33.3 | 27.7 | 22.2 | 16.6 | 3.82                    | 2.55 | 1.91 | 1.53 |
|             | -            | C    | 60             | 1.22            | 90.6                                    | 72.5 | 60.4 | 45.3 | 36.2 | 30.2 | 24.2 | 18.1 | 4.16                    | 2.77 | 2.08 | 1.66 |
|             | -            | C    | 70             | 1.32            | 98.0                                    | 78.4 | 65.3 | 49.0 | 39.2 | 32.7 | 26.1 | 19.6 | 4.50                    | 3.00 | 2.25 | 1.80 |
| 15          | -            | C    | 20             | 1.06            | 78.7                                    | 63.0 | 52.5 | 39.4 | 31.5 | 26.2 | 21.0 | 15.7 | 3.61                    | 2.41 | 1.81 | 1.45 |
|             | -            | C    | 30             | 1.30            | 96.5                                    | 77.2 | 64.4 | 48.3 | 38.6 | 32.2 | 25.7 | 19.3 | 4.43                    | 2.96 | 2.22 | 1.77 |
|             | -            | C    | 40             | 1.50            | 111                                     | 89.1 | 74.3 | 55.7 | 44.6 | 37.1 | 29.7 | 22.3 | 5.12                    | 3.41 | 2.56 | 2.05 |
|             | -            | C    | 50             | 1.68            | 125                                     | 99.8 | 83.2 | 62.4 | 49.9 | 41.6 | 33.3 | 24.9 | 5.73                    | 3.82 | 2.86 | 2.29 |
|             | -            | C    | 60             | 1.84            | 137                                     | 109  | 91.1 | 68.3 | 54.6 | 45.5 | 36.4 | 27.3 | 6.27                    | 4.18 | 3.14 | 2.51 |
|             | -            | C    | 70             | 1.98            | 147                                     | 118  | 98.0 | 73.5 | 58.8 | 49.0 | 39.2 | 29.4 | 6.75                    | 4.50 | 3.38 | 2.70 |

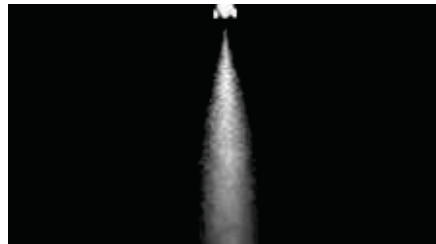
Droplet size based on ASABE S572.1 standard.



1. Non-Air Inducted; single inlet/outlet design
2. Fully formed spray pattern at low pressures
3. Enhanced polyacetal for superior product life



Low pressure performance allows for complete pattern formation and even coverage down to 15 psi (1 BAR).



Dense spray pattern of medium to fine droplets provides superior coverage.

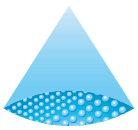
### Metric Units

| Nozzle Size | ASEBE Droplet Size |      | Pressure (BAR) | Flow Rate (LPM) | Application Rate L/Ha -50 cm spacing |      |     |     |     |     |     |     |
|-------------|--------------------|------|----------------|-----------------|--------------------------------------|------|-----|-----|-----|-----|-----|-----|
|             | 80°                | 110° |                |                 | KM/H                                 |      |     |     |     |     |     |     |
|             |                    |      |                |                 | 7                                    | 8    | 10  | 12  | 15  | 20  | 25  | 30  |
| 015         | -                  | -    | 1              | 0,35            | 60                                   | 53   | 42  | 35  | 28  | 21  | 17  | 14  |
|             | -                  | -    | 1,5            | 0,42            | 72                                   | 63   | 50  | 42  | 34  | 25  | 20  | 17  |
|             | F                  | F    | 2              | 0,49            | 84                                   | 74   | 59  | 49  | 39  | 29  | 24  | 20  |
|             | F                  | F    | 3              | 0,60            | 103                                  | 90   | 72  | 60  | 48  | 36  | 29  | 24  |
|             | VF                 | VF   | 4              | 0,69            | 118                                  | 104  | 83  | 69  | 55  | 41  | 33  | 28  |
|             |                    |      | 5              | 0,77            | 132                                  | 116  | 92  | 77  | 62  | 46  | 37  | 31  |
| 02          | -                  | -    | 1              | 0,46            | 79                                   | 69   | 55  | 46  | 37  | 28  | 22  | 18  |
|             | -                  | -    | 1,5            | 0,57            | 98                                   | 86   | 68  | 57  | 46  | 34  | 27  | 23  |
|             | F                  | F    | 2              | 0,65            | 111                                  | 98   | 78  | 65  | 52  | 39  | 31  | 26  |
|             | F                  | F    | 3              | 0,80            | 137                                  | 120  | 96  | 80  | 64  | 48  | 38  | 32  |
|             | F                  | F    | 4              | 0,92            | 158                                  | 138  | 110 | 92  | 74  | 55  | 44  | 37  |
|             |                    |      | 5              | 1,03            | 177                                  | 155  | 124 | 103 | 82  | 62  | 49  | 41  |
| 025         | -                  | M    | 1              | 0,58            | 99                                   | 87   | 70  | 58  | 46  | 35  | 28  | 23  |
|             | -                  | M    | 1,5            | 0,71            | 122                                  | 107  | 85  | 71  | 57  | 43  | 34  | 28  |
|             | -                  | F    | 2              | 0,82            | 141                                  | 123  | 98  | 82  | 66  | 49  | 39  | 33  |
|             | -                  | F    | 3              | 1,00            | 171                                  | 150  | 120 | 100 | 80  | 60  | 48  | 40  |
|             | -                  | F    | 4              | 1,15            | 197                                  | 173  | 138 | 115 | 92  | 69  | 55  | 46  |
|             |                    |      | 5              | 1,29            | 221                                  | 194  | 155 | 129 | 103 | 77  | 62  | 52  |
| 03          | C                  | M    | 1              | 0,69            | 118                                  | 104  | 83  | 69  | 55  | 41  | 33  | 28  |
|             | M                  | M    | 1,5            | 0,85            | 146                                  | 128  | 102 | 85  | 68  | 51  | 41  | 34  |
|             | M                  | F    | 2              | 0,98            | 168                                  | 147  | 118 | 98  | 78  | 59  | 47  | 39  |
|             | F                  | F    | 3              | 1,20            | 206                                  | 180  | 144 | 120 | 96  | 72  | 58  | 48  |
|             | F                  | F    | 4              | 1,39            | 238                                  | 209  | 167 | 139 | 111 | 83  | 67  | 56  |
|             |                    |      | 5              | 1,55            | 266                                  | 233  | 186 | 155 | 124 | 93  | 74  | 62  |
| 035         | -                  | M    | 1              | 0,81            | 139                                  | 122  | 97  | 81  | 65  | 49  | 39  | 32  |
|             | -                  | M    | 1,5            | 0,99            | 170                                  | 149  | 119 | 99  | 79  | 59  | 48  | 40  |
|             | -                  | M    | 2              | 1,14            | 195                                  | 171  | 137 | 114 | 91  | 68  | 55  | 46  |
|             | -                  | F    | 3              | 1,40            | 240                                  | 210  | 168 | 140 | 112 | 84  | 67  | 56  |
|             | -                  | F    | 4              | 1,62            | 278                                  | 243  | 194 | 162 | 130 | 97  | 78  | 65  |
|             |                    |      | 5              | 1,81            | 310                                  | 272  | 217 | 181 | 145 | 109 | 87  | 72  |
| 04          | C                  | M    | 1              | 0,92            | 158                                  | 138  | 110 | 92  | 74  | 55  | 44  | 37  |
|             | C                  | M    | 1,5            | 1,13            | 194                                  | 170  | 136 | 113 | 90  | 68  | 54  | 45  |
|             | M                  | M    | 2              | 1,31            | 225                                  | 197  | 157 | 131 | 105 | 79  | 63  | 52  |
|             | M                  | F    | 3              | 1,60            | 274                                  | 240  | 192 | 160 | 128 | 96  | 77  | 64  |
|             | F                  | F    | 4              | 1,85            | 317                                  | 278  | 222 | 185 | 148 | 111 | 89  | 74  |
|             |                    |      | 5              | 2,07            | 355                                  | 311  | 248 | 207 | 166 | 124 | 99  | 83  |
| 05          | C                  | M    | 1              | 1,15            | 197                                  | 173  | 138 | 115 | 92  | 69  | 55  | 46  |
|             | C                  | M    | 1,5            | 1,41            | 242                                  | 212  | 169 | 141 | 113 | 85  | 68  | 56  |
|             | C                  | M    | 2              | 1,63            | 279                                  | 245  | 196 | 163 | 130 | 98  | 78  | 65  |
|             | M                  | F    | 3              | 2,00            | 343                                  | 300  | 240 | 200 | 160 | 120 | 96  | 80  |
|             | M                  | F    | 4              | 2,31            | 396                                  | 347  | 277 | 231 | 185 | 139 | 111 | 92  |
|             |                    |      | 5              | 2,58            | 442                                  | 387  | 310 | 258 | 206 | 155 | 124 | 103 |
| 06          | C                  | C    | 1              | 1,39            | 238                                  | 209  | 167 | 139 | 111 | 83  | 67  | 56  |
|             | C                  | M    | 1,5            | 1,70            | 291                                  | 255  | 204 | 170 | 136 | 102 | 82  | 68  |
|             | C                  | M    | 2              | 1,96            | 336                                  | 294  | 235 | 196 | 157 | 118 | 94  | 78  |
|             | M                  | M    | 3              | 2,40            | 411                                  | 360  | 288 | 240 | 192 | 144 | 115 | 96  |
|             | M                  | F    | 4              | 2,77            | 475                                  | 416  | 332 | 277 | 222 | 166 | 133 | 111 |
|             |                    |      | 5              | 3,10            | 531                                  | 465  | 372 | 310 | 248 | 186 | 149 | 124 |
| 08          | -                  | C    | 1              | 1,85            | 317                                  | 278  | 222 | 185 | 148 | 111 | 89  | 74  |
|             | -                  | C    | 1,5            | 2,26            | 387                                  | 339  | 271 | 226 | 181 | 136 | 108 | 90  |
|             | -                  | M    | 2              | 2,61            | 447                                  | 392  | 313 | 261 | 209 | 157 | 125 | 104 |
|             | -                  | M    | 3              | 3,20            | 549                                  | 480  | 384 | 320 | 256 | 192 | 154 | 128 |
|             | -                  | M    | 4              | 3,70            | 634                                  | 555  | 444 | 370 | 296 | 222 | 178 | 148 |
|             |                    |      | 5              | 4,13            | 708                                  | 620  | 496 | 413 | 330 | 248 | 198 | 165 |
| 10          | -                  | C    | 1              | 2,31            | 396                                  | 347  | 277 | 231 | 185 | 139 | 111 | 92  |
|             | -                  | C    | 1,5            | 2,83            | 485                                  | 425  | 340 | 283 | 226 | 170 | 136 | 113 |
|             | -                  | M    | 2              | 3,27            | 561                                  | 491  | 392 | 327 | 262 | 196 | 157 | 131 |
|             | -                  | M    | 3              | 4,00            | 686                                  | 600  | 480 | 400 | 320 | 240 | 192 | 160 |
|             | -                  | F    | 4              | 4,62            | 792                                  | 693  | 554 | 462 | 370 | 277 | 222 | 185 |
|             |                    |      | 5              | 5,16            | 885                                  | 774  | 619 | 516 | 413 | 310 | 248 | 206 |
| 15          | -                  | VC   | 1              | 3,46            | 593                                  | 519  | 415 | 346 | 277 | 208 | 166 | 138 |
|             | -                  | C    | 1,5            | 4,24            | 727                                  | 636  | 509 | 424 | 339 | 254 | 204 | 170 |
|             | -                  | C    | 2              | 4,90            | 840                                  | 735  | 588 | 490 | 392 | 294 | 235 | 196 |
|             | -                  | M    | 3              | 6,00            | 1029                                 | 900  | 720 | 600 | 480 | 360 | 288 | 240 |
|             | -                  | M    | 4              | 6,93            | 1188                                 | 1040 | 832 | 693 | 554 | 416 | 333 | 277 |
|             |                    |      | 5              | 7,75            | 1329                                 | 1163 | 930 | 775 | 620 | 465 | 372 | 310 |

Droplet size based on ASABE S572.1 standard.

| Features                   |                     |
|----------------------------|---------------------|
| Common Use                 | General             |
| Pattern                    | Tapered Flat Fan    |
| Technology                 | Elliptical Orifice  |
| Material                   | Polycetal           |
| Spray Angle                | 80° & 110°          |
| Pressure Range             | 20-70 PSI (1-5 BAR) |
| Configuration              | Nozzles, FastCap    |
| Optimum Boom Height        |                     |
| 80° - 15" (35 cm) Spacing  | 22" (56 cm)         |
| 80° - 20" (50 cm) Spacing  | 30" (76 cm)         |
| 110° - 15" (35 cm) Spacing | 15" (35 cm)         |
| 110° - 20" (50 cm) Spacing | 20" (50 cm)         |
| Part Numbers               |                     |
| Nozzles 80°                | FastCaps 80°        |
| VP80-015                   | FC-VP80-015         |
| VP80-02                    | FC-VP80-02          |
| VP80-03                    | FC-VP80-03          |
| VP80-04                    | FC-VP80-04          |
| VP80-05                    | FC-VP80-05          |
| VP80-06                    | FC-VP80-06          |
| Nozzles 110°               | FastCaps 110°       |
| VP110-015                  | FC-VP110-015        |
| VP110-02                   | FC-VP110-02         |
| VP110-025                  | FC-VP110-025        |
| VP110-03*                  | FC-VP110-03         |
| VP110-035                  | FC-VP110-035        |
| VP110-04*                  | FC-VP110-04         |
| VP110-05*                  | FC-VP110-05         |
| VP110-06                   | FC-VP110-06         |
| VP110-08                   | FC-VP110-08         |
| VP110-10                   | FC-VP110-10         |
| VP110-15                   | FC-VP110-15         |
| Replacement Cap Gasket     |                     |
| 22W11MF64                  |                     |

\*Approved by JKI



# Total Range 80° & 110°

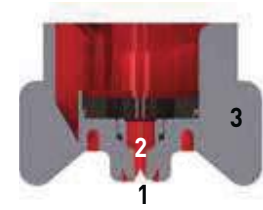


The TR (Total Range) nozzle series consists of a metal insert that is held in a plastic carrier. The nozzles are able to maintain a constant spray angle over a wide pressure range down to 20 psi (1 bar).

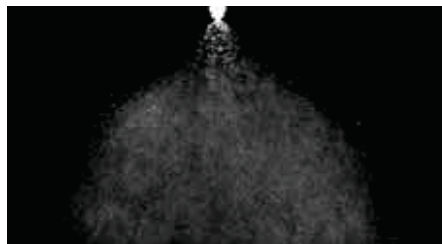
- Adjustable droplet size according to pressure
- Insert is precision-machined stainless steel and carrier is molded in tough and durable polyacetal
- Maintains good spray distribution and makes larger droplets at low pressures
- FastCap includes nozzle, cap and gasket
- Excellent nozzle for insecticide and fungicide applications

## US Units

| Nozzle Size | Droplet Size |      | Pressure (PSI) | Flow Rate (GPM) | Gallons per Acre 20 inch nozzle spacing MPH |      |      |      |      |      |      |      |      |      | GAL/1000 Ft <sup>2</sup> 20 inch nozzle spacing |      |  |  |  |
|-------------|--------------|------|----------------|-----------------|---|------|------|------|------|------|------|------|------|------|---|------|--|--|--|
|             | 80°          | 110° |                |                 | 4   | 5    | 6    | 8    | 10   | 12   | 15   | 20   | 2    | 3    | 4   | 5    |  |  |  |
| 01          | F            | F    | 20             | 0.07            | 5.2   | 4.2  | 3.5  | 2.6  | 2.1  | 1.7  | 1.4  | 1.0  | 0.24 | 0.16 | 0.12  | 0.10 |  |  |  |
|             | F            | F    | 30             | 0.09            | 6.7   | 5.3  | 4.5  | 3.3  | 2.7  | 2.2  | 1.8  | 1.3  | 0.31 | 0.20 | 0.15  | 0.12 |  |  |  |
|             | VF           | VF   | 40             | 0.10            | 7.4   | 5.9  | 5.0  | 3.7  | 3.0  | 2.5  | 2.0  | 1.5  | 0.34 | 0.23 | 0.17  | 0.14 |  |  |  |
|             | VF           | VF   | 50             | 0.11            | 8.2   | 6.5  | 5.4  | 4.1  | 3.3  | 2.7  | 2.2  | 1.6  | 0.38 | 0.25 | 0.19  | 0.15 |  |  |  |
|             | VF           | VF   | 60             | 0.12            | 8.9   | 7.1  | 5.9  | 4.5  | 3.6  | 3.0  | 2.4  | 1.8  | 0.41 | 0.27 | 0.20  | 0.16 |  |  |  |
| 015         | F            | F    | 20             | 0.11            | 8.2   | 6.5  | 5.4  | 4.1  | 3.3  | 2.7  | 2.2  | 1.6  | 0.38 | 0.25 | 0.19  | 0.15 |  |  |  |
|             | F            | F    | 30             | 0.13            | 9.7   | 7.7  | 6.4  | 4.8  | 3.9  | 3.2  | 2.6  | 1.9  | 0.44 | 0.30 | 0.22  | 0.18 |  |  |  |
|             | F            | F    | 40             | 0.15            | 11.1  | 8.9  | 7.4  | 5.6  | 4.5  | 3.7  | 3.0  | 2.2  | 0.51 | 0.34 | 0.26  | 0.20 |  |  |  |
|             | F            | F    | 50             | 0.17            | 12.6  | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58 | 0.39 | 0.29  | 0.23 |  |  |  |
|             | VF           | VF   | 60             | 0.18            | 13.4  | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7  | 0.61 | 0.41 | 0.31  | 0.25 |  |  |  |
| 02          | M            | M    | 20             | 0.14            | 10.4  | 8.3  | 6.9  | 5.2  | 4.2  | 3.5  | 2.8  | 2.1  | 0.48 | 0.32 | 0.24  | 0.19 |  |  |  |
|             | F            | F    | 30             | 0.17            | 12.6  | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58 | 0.39 | 0.29  | 0.23 |  |  |  |
|             | F            | F    | 40             | 0.20            | 14.9  | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68 | 0.45 | 0.34  | 0.27 |  |  |  |
|             | F            | F    | 50             | 0.22            | 16.3  | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75 | 0.50 | 0.38  | 0.30 |  |  |  |
|             | VF           | F    | 70             | 0.26            | 17.8  | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82 | 0.55 | 0.41  | 0.33 |  |  |  |
| 03          | M            | M    | 20             | 0.21            | 15.6  | 12.5 | 10.4 | 7.8  | 6.2  | 5.2  | 4.2  | 3.1  | 0.72 | 0.48 | 0.36  | 0.29 |  |  |  |
|             | M            | M    | 30             | 0.26            | 19.3  | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89 | 0.59 | 0.44  | 0.35 |  |  |  |
|             | F            | F    | 40             | 0.30            | 22.3  | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02 | 0.68 | 0.51  | 0.41 |  |  |  |
|             | F            | F    | 50             | 0.34            | 25.2  | 20.2 | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0  | 1.16 | 0.77 | 0.58  | 0.46 |  |  |  |
|             | F            | F    | 70             | 0.40            | 27.5  | 22.0 | 18.3 | 13.7 | 11.0 | 9.2  | 7.3  | 5.5  | 1.26 | 0.84 | 0.63  | 0.50 |  |  |  |
| 04          | C            | C    | 20             | 0.28            | 20.8  | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95 | 0.64 | 0.48  | 0.38 |  |  |  |
|             | M            | M    | 30             | 0.35            | 26.0  | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19 | 0.80 | 0.60  | 0.48 |  |  |  |
|             | M            | F    | 40             | 0.40            | 29.7  | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36 | 0.91 | 0.68  | 0.55 |  |  |  |
|             | F            | F    | 50             | 0.45            | 33.4  | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53 | 1.02 | 0.77  | 0.61 |  |  |  |
|             | F            | F    | 70             | 0.49            | 36.4  | 29.1 | 24.3 | 18.2 | 14.6 | 12.1 | 9.7  | 7.3  | 1.67 | 1.11 | 0.84  | 0.67 |  |  |  |
| 05          | C            | C    | 20             | 0.35            | 26.0  | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19 | 0.80 | 0.60  | 0.48 |  |  |  |
|             | C            | M    | 30             | 0.43            | 31.9  | 25.5 | 21.3 | 16.0 | 12.8 | 10.6 | 8.5  | 6.4  | 1.47 | 0.98 | 0.73  | 0.59 |  |  |  |
|             | M            | F    | 40             | 0.50            | 37.1  | 29.7 | 24.8 | 18.6 | 14.9 | 12.4 | 9.9  | 7.4  | 1.71 | 1.14 | 0.85  | 0.68 |  |  |  |
|             | M            | F    | 50             | 0.56            | 41.6  | 33.3 | 27.7 | 20.8 | 16.6 | 13.9 | 11.1 | 8.3  | 1.91 | 1.27 | 0.95  | 0.76 |  |  |  |
|             | F            | F    | 70             | 0.61            | 45.3  | 36.2 | 30.2 | 22.6 | 18.1 | 15.1 | 12.1 | 9.1  | 2.08 | 1.39 | 1.04  | 0.83 |  |  |  |
| 06          | C            | C    | 20             | 0.42            | 31.2  | 24.9 | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43 | 0.95 | 0.72  | 0.57 |  |  |  |
|             | C            | C    | 30             | 0.52            | 38.6  | 30.9 | 25.7 | 19.3 | 15.4 | 12.9 | 10.3 | 7.7  | 1.77 | 1.18 | 0.89  | 0.71 |  |  |  |
|             | M            | M    | 40             | 0.60            | 44.6  | 35.6 | 29.7 | 22.3 | 17.8 | 14.9 | 11.9 | 8.9  | 2.05 | 1.36 | 1.02  | 0.82 |  |  |  |
|             | M            | M    | 50             | 0.67            | 49.7  | 39.8 | 33.2 | 24.9 | 19.9 | 16.6 | 13.3 | 9.9  | 2.28 | 1.52 | 1.14  | 0.91 |  |  |  |
|             | M            | F    | 70             | 0.73            | 54.2  | 43.4 | 36.1 | 27.1 | 21.7 | 18.1 | 14.5 | 10.8 | 2.49 | 1.66 | 1.24  | 1.00 |  |  |  |
| 08          | C            | C    | 20             | 0.57            | 42.3  | 33.9 | 28.2 | 21.2 | 16.9 | 14.1 | 11.3 | 8.5  | 1.94 | 1.30 | 0.97  | 0.78 |  |  |  |
|             | C            | C    | 30             | 0.69            | 51.2  | 41.0 | 34.2 | 25.6 | 20.5 | 17.1 | 13.7 | 10.2 | 2.35 | 1.57 | 1.18  | 0.94 |  |  |  |
|             | C            | M    | 40             | 0.80            | 59.4  | 47.5 | 39.6 | 29.7 | 23.8 | 19.8 | 15.8 | 11.9 | 2.73 | 1.82 | 1.36  | 1.09 |  |  |  |
|             | M            | M    | 50             | 0.89            | 66.1  | 52.9 | 44.1 | 33.0 | 26.4 | 22.0 | 17.6 | 13.2 | 3.03 | 2.02 | 1.52  | 1.21 |  |  |  |
|             | M            | M    | 70             | 0.98            | 72.8  | 58.2 | 48.5 | 36.4 | 29.1 | 24.3 | 19.4 | 14.6 | 3.34 | 2.23 | 1.67  | 1.34 |  |  |  |
| 10          | VC           | VC   | 20             | 0.71            | 52.7  | 42.2 | 35.1 | 26.4 | 21.1 | 17.6 | 14.1 | 10.5 | 2.42 | 1.61 | 1.21  | 0.97 |  |  |  |
|             | VC           | C    | 30             | 0.87            | 64.6  | 51.7 | 43.1 | 32.3 | 25.8 | 21.5 | 17.2 | 12.9 | 2.97 | 1.98 | 1.48  | 1.19 |  |  |  |
|             | C            | M    | 40             | 1.00            | 74.3  | 59.4 | 49.5 | 37.1 | 29.7 | 24.8 | 19.8 | 14.9 | 3.41 | 2.27 | 1.71  | 1.36 |  |  |  |
|             | C            | M    | 50             | 1.12            | 83.2  | 66.5 | 55.4 | 41.6 | 33.3 | 27.7 | 22.2 | 16.6 | 3.82 | 2.55 | 1.91  | 1.53 |  |  |  |
|             | M            | M    | 70             | 1.22            | 90.6  | 72.5 | 60.4 | 45.3 | 36.2 | 30.2 | 24.2 | 18.1 | 4.16 | 2.77 | 2.08  | 1.66 |  |  |  |
| 15          | VC           | VC   | 20             | 1.06            | 78.7  | 63.0 | 52.5 | 39.4 | 31.5 | 26.2 | 21.0 | 15.7 | 3.61 | 2.41 | 1.81  | 1.45 |  |  |  |
|             | VC           | C    | 30             | 1.30            | 96.5  | 77.2 | 64.4 | 48.3 | 38.6 | 32.2 | 25.7 | 19.3 | 4.43 | 2.96 | 2.22  | 1.77 |  |  |  |
|             | C            | C    | 40             | 1.50            | 111   | 89.1 | 74.3 | 55.7 | 44.6 | 37.1 | 29.7 | 22.3 | 5.12 | 3.41 | 2.56  | 2.05 |  |  |  |
|             | C            | M    | 50             | 1.68            | 125   | 99.8 | 83.2 | 62.4 | 49.9 | 41.6 | 33.3 | 24.9 | 5.73 | 3.82 | 2.86  | 2.29 |  |  |  |
|             | C            | M    | 70             | 1.84            | 137   | 109  | 91.1 | 68.3 | 54.6 | 45.5 | 36.4 | 27.3 | 6.27 | 4.18 | 3.14  | 2.51 |  |  |  |
|             |              |      | 1.98           | 147             | 118   | 98.0 | 73.5 | 58.8 | 49.0 | 39.2 | 29.4 | 6.75 | 4.50 | 3.38 | 2.70  |      |  |  |  |



1. Non-Air Inducted; single inlet/outlet design
2. Stainless Steel insert available in a wide flow range
3. Available in a Fastcap option for easy installation



80° or 110° wide spray pattern producing a smaller droplet spectrum with a stainless steel orifice.



Dense spray pattern of smaller droplets to match many insecticide and fungicide applications.

**Metric Units**

| Nozzle Size | Droplet Size |      | Pressure (BAR) | Flow Rate (LPM) | Application Rate L/Ha - 50 cm spacing<br>KM/H |      |     |     |     |     |     |     |
|-------------|--------------|------|----------------|-----------------|---|------|-----|-----|-----|-----|-----|-----|
|             | 80°          | 110° |                |                 | 7   | 8    | 10  | 12  | 15  | 20  | 25  | 30  |
| 01          | M            | F    | 1              | 0.23            | 39  | 35   | 28  | 23  | 18  | 14  | 11  | 9   |
|             | F            | F    | 1.5            | 0.28            | 48  | 42   | 34  | 28  | 22  | 17  | 13  | 11  |
|             | F            | F    | 2              | 0.33            | 57  | 50   | 40  | 33  | 26  | 20  | 16  | 13  |
|             | VF           | VF   | 3              | 0.40            | 69  | 60   | 48  | 40  | 32  | 24  | 19  | 16  |
|             | VF           | VF   | 4              | 0.46            | 79  | 69   | 55  | 46  | 37  | 28  | 22  | 18  |
| VF          | VF           | 5    | 0.52           | 89              | 78  | 62   | 52  | 42  | 31  | 25  | 21  |     |
| 015         | M            | M    | 1              | 0.35            | 60  | 53   | 42  | 35  | 28  | 21  | 17  | 14  |
|             | F            | F    | 1.5            | 0.42            | 72  | 63   | 50  | 42  | 34  | 25  | 20  | 17  |
|             | F            | F    | 2              | 0.49            | 84  | 74   | 59  | 49  | 39  | 29  | 24  | 20  |
|             | F            | F    | 3              | 0.60            | 103   | 90   | 72  | 60  | 48  | 36  | 29  | 24  |
|             | VF           | VF   | 4              | 0.69            | 118   | 104  | 83  | 69  | 55  | 41  | 33  | 28  |
| VF          | VF           | 5    | 0.77           | 132             | 116   | 92   | 77  | 62  | 46  | 37  | 31  |     |
| 02          | M            | M    | 1              | 0.46            | 79  | 69   | 55  | 46  | 37  | 28  | 22  | 18  |
|             | F            | F    | 1.5            | 0.57            | 98  | 86   | 68  | 57  | 46  | 34  | 27  | 23  |
|             | F            | F    | 2              | 0.65            | 111   | 98   | 78  | 65  | 52  | 39  | 31  | 26  |
|             | F            | F    | 3              | 0.80            | 137   | 120  | 96  | 80  | 64  | 48  | 38  | 32  |
|             | VF           | F    | 4              | 0.92            | 158   | 138  | 110 | 92  | 74  | 55  | 44  | 37  |
| VF          | F            | 5    | 1.03           | 177             | 155   | 124  | 103 | 82  | 62  | 49  | 41  |     |
| 03          | C            | M    | 1              | 0.69            | 118   | 104  | 83  | 69  | 55  | 41  | 33  | 28  |
|             | M            | M    | 1.5            | 0.85            | 146   | 128  | 102 | 85  | 68  | 51  | 41  | 34  |
|             | M            | M    | 2              | 0.98            | 168   | 147  | 118 | 98  | 78  | 59  | 47  | 39  |
|             | F            | F    | 3              | 1.20            | 206   | 180  | 144 | 120 | 96  | 72  | 58  | 48  |
|             | F            | F    | 4              | 1.39            | 238   | 209  | 167 | 139 | 111 | 83  | 67  | 56  |
| F           | F            | 5    | 1.55           | 266             | 233   | 186  | 155 | 124 | 93  | 74  | 62  |     |
| 04          | C            | C    | 1              | 0.92            | 158   | 138  | 110 | 92  | 74  | 55  | 44  | 37  |
|             | M            | M    | 1.5            | 1.13            | 194   | 170  | 136 | 113 | 90  | 68  | 54  | 45  |
|             | M            | M    | 2              | 1.31            | 225   | 197  | 157 | 131 | 105 | 79  | 63  | 52  |
|             | M            | F    | 3              | 1.60            | 274   | 240  | 192 | 160 | 128 | 96  | 77  | 64  |
|             | F            | F    | 4              | 1.85            | 317   | 278  | 222 | 185 | 148 | 111 | 89  | 74  |
| F           | F            | 5    | 2.07           | 355             | 311   | 248  | 207 | 166 | 124 | 99  | 83  |     |
| 05          | C            | C    | 1              | 1.15            | 197   | 173  | 138 | 115 | 92  | 69  | 55  | 46  |
|             | C            | M    | 1.5            | 1.41            | 242   | 212  | 169 | 141 | 113 | 85  | 68  | 56  |
|             | C            | M    | 2              | 1.63            | 279   | 245  | 196 | 163 | 130 | 98  | 78  | 65  |
|             | M            | F    | 3              | 2.00            | 343   | 300  | 240 | 200 | 160 | 120 | 96  | 80  |
|             | M            | F    | 4              | 2.31            | 396   | 347  | 277 | 231 | 185 | 139 | 111 | 92  |
| F           | F            | 5    | 2.58           | 442             | 387   | 310  | 258 | 206 | 155 | 124 | 103 |     |
| 06          | C            | C    | 1              | 1.39            | 238   | 209  | 167 | 139 | 111 | 83  | 67  | 56  |
|             | C            | C    | 1.5            | 1.70            | 291   | 255  | 204 | 170 | 136 | 102 | 82  | 68  |
|             | C            | C    | 2              | 1.96            | 336   | 294  | 235 | 196 | 157 | 118 | 94  | 78  |
|             | M            | M    | 3              | 2.40            | 411   | 360  | 288 | 240 | 192 | 144 | 115 | 96  |
|             | M            | M    | 4              | 2.77            | 475   | 416  | 332 | 277 | 222 | 166 | 133 | 111 |
| M           | C            | 5    | 3.10           | 531             | 465   | 372  | 310 | 248 | 186 | 149 | 124 |     |
| 08          | VC           | C    | 1              | 1.85            | 317   | 278  | 222 | 185 | 148 | 111 | 89  | 74  |
|             | C            | C    | 1.5            | 2.26            | 387   | 339  | 271 | 226 | 181 | 136 | 108 | 90  |
|             | C            | C    | 2              | 2.61            | 447   | 392  | 313 | 261 | 209 | 157 | 125 | 104 |
|             | C            | M    | 3              | 3.20            | 549   | 480  | 384 | 320 | 256 | 192 | 154 | 128 |
|             | M            | M    | 4              | 3.70            | 634   | 555  | 444 | 370 | 296 | 222 | 178 | 148 |
| M           | M            | 5    | 4.13           | 708             | 620   | 496  | 413 | 330 | 248 | 198 | 165 |     |
| 10          | VC           | VC   | 1              | 2.31            | 396   | 347  | 277 | 231 | 185 | 139 | 111 | 92  |
|             | VC           | C    | 1.5            | 2.83            | 485   | 425  | 340 | 283 | 226 | 170 | 136 | 113 |
|             | VC           | C    | 2              | 3.27            | 561   | 491  | 392 | 327 | 262 | 196 | 157 | 131 |
|             | C            | M    | 3              | 4.00            | 686   | 600  | 480 | 400 | 320 | 240 | 192 | 160 |
|             | C            | M    | 4              | 4.62            | 792   | 693  | 554 | 462 | 370 | 277 | 222 | 185 |
| M           | M            | 5    | 5.16           | 885             | 774   | 619  | 516 | 413 | 310 | 248 | 206 |     |
| 15          | XC           | VC   | 1              | 3.46            | 593   | 519  | 415 | 346 | 277 | 208 | 166 | 138 |
|             | VC           | VC   | 1.5            | 4.24            | 727   | 636  | 509 | 424 | 339 | 254 | 204 | 170 |
|             | VC           | VC   | 2              | 4.90            | 840   | 735  | 588 | 490 | 392 | 294 | 235 | 196 |
|             | C            | C    | 3              | 6.00            | 1029  | 900  | 720 | 600 | 480 | 360 | 288 | 240 |
|             | C            | M    | 4              | 6.93            | 1188  | 1040 | 832 | 693 | 554 | 416 | 333 | 277 |
| C           | M            | 5    | 7.75           | 1329            | 1163  | 930  | 775 | 620 | 465 | 372 | 310 |     |

Droplet size based on ASABE S572.1 standard.

| Features                   |                     |
|----------------------------|---------------------|
| Common Use                 | General             |
| Pattern                    | Tapered Flat Fan    |
| Technology                 | Elliptical Orifice  |
| Material                   | Stainless Steel     |
| Spray Angle                | 80° & 110°          |
| Pressure Range             | 20-70 PSI (1-5 BAR) |
| Configuration              | Nozzles, FastCap    |
| Optimum Boom Height        |                     |
| 80° - 15" (35 cm) Spacing  | 22" (56 cm)         |
| 80° - 20" (50 cm) Spacing  | 30" (76 cm)         |
| 110° - 15" (35 cm) Spacing | 15" (35 cm)         |
| 110° - 20" (50 cm) Spacing | 20" (50 cm)         |
| Part Numbers               |                     |
| Nozzles 80°                | FastCaps 80°        |
| TR80-01                    | FC-TR80-01          |
| TR80-015                   | FC-TR80-015         |
| TR80-02                    | FC-TR80-02          |
| TR80-03                    | FC-TR80-03          |
| TR80-04                    | FC-TR80-04          |
| TR80-05                    | FC-TR80-05          |
| TR80-06                    | FC-TR80-06          |
| TR80-08                    | FC-TR80-08          |
| TR80-10*                   | FC-TR80-10*         |
| TR80-15*                   | FC-TR80-15*         |
| Nozzles 110°               | FastCaps 110°       |
| TR110-01                   | FC-TR110-01         |
| TR110-015                  | FC-TR110-015        |
| TR110-02                   | FC-TR110-02         |
| TR110-03                   | FC-TR110-03         |
| TR110-04                   | FC-TR110-04         |
| TR110-05                   | FC-TR110-05         |
| TR110-06                   | FC-TR110-06         |
| TR110-08                   | FC-TR110-08         |
| TR110-10*                  | FC-TR110-10*        |
| TR110-15*                  | FC-TR110-15*        |
| Replacement Cap Gasket     |                     |
| 22W11MF64                  |                     |

\* All stainless steel nozzles



# Ceramic AXI 80° & 110°



The Albus® AXI wide pressure range ceramic spray nozzles are suited for creating numerous fine to medium droplets. The ceramic orifice of the AXI will provide long service life even when spraying abrasive chemicals.

- Adjustable droplet size according to pressure
- Maintains good spray distribution and makes larger droplets at low pressures
- FastCap includes nozzle, cap and gasket
- 80° fan models ideal for use in directed spray applications  
(See page 180 for more information)

## US Units

| Nozzle Size | Droplet Size |      | Pressure (PSI) | Flow Rate (GPM) | Gallons per Acre 20 inch nozzle spacing MPH |      |      |      |      |      |      |      | GAL/1000 Ft <sup>2</sup> 20 inch nozzle spacing |      |      |      |
|-------------|--------------|------|----------------|-----------------|---|------|------|------|------|------|------|------|---|------|------|------|
|             | 80°          | 110° |                |                 | 4   | 5    | 6    | 8    | 10   | 12   | 15   | 20   | 2   | 3    | 4    | 5    |
| 015         | F            | F    | 20             | 0.11            | 8.2   | 6.5  | 5.4  | 4.1  | 3.3  | 2.7  | 2.2  | 1.6  | 0.38  | 0.25 | 0.19 | 0.15 |
|             | F            | F    | 30             | 0.13            | 9.7   | 7.7  | 6.4  | 4.8  | 3.9  | 3.2  | 2.6  | 1.9  | 0.44  | 0.30 | 0.22 | 0.18 |
|             | F            | F    | 40             | 0.15            | 11.1  | 8.9  | 7.4  | 5.6  | 4.5  | 3.7  | 3.0  | 2.2  | 0.51  | 0.34 | 0.26 | 0.20 |
|             | F            | F    | 50             | 0.17            | 12.6  | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58  | 0.39 | 0.29 | 0.23 |
|             | VF           | F    | 60             | 0.18            | 13.4  | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7  | 0.61  | 0.41 | 0.31 | 0.25 |
|             | VF           | F    | 70             | 0.20            | 14.9  | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68  | 0.45 | 0.34 | 0.27 |
| 02          | F            | F    | 20             | 0.14            | 10.4  | 8.3  | 6.9  | 5.2  | 4.2  | 3.5  | 2.8  | 2.1  | 0.48  | 0.32 | 0.24 | 0.19 |
|             | F            | F    | 30             | 0.17            | 12.6  | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58  | 0.39 | 0.29 | 0.23 |
|             | F            | F    | 40             | 0.20            | 14.9  | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68  | 0.45 | 0.34 | 0.27 |
|             | F            | F    | 50             | 0.22            | 16.3  | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75  | 0.50 | 0.38 | 0.30 |
|             | F            | F    | 60             | 0.24            | 17.8  | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82  | 0.55 | 0.41 | 0.33 |
|             | F            | F    | 70             | 0.26            | 19.3  | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89  | 0.59 | 0.44 | 0.35 |
| 03          | M            | M    | 20             | 0.21            | 15.6  | 12.5 | 10.4 | 7.8  | 6.2  | 5.2  | 4.2  | 3.1  | 0.72  | 0.48 | 0.36 | 0.29 |
|             | M            | F    | 30             | 0.26            | 19.3  | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89  | 0.59 | 0.44 | 0.35 |
|             | M            | F    | 40             | 0.30            | 22.3  | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02  | 0.68 | 0.51 | 0.41 |
|             | F            | F    | 50             | 0.34            | 25.2  | 20.2 | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0  | 1.16  | 0.77 | 0.58 | 0.46 |
|             | F            | F    | 60             | 0.37            | 27.5  | 22.0 | 18.3 | 13.7 | 11.0 | 9.2  | 7.3  | 5.5  | 1.26  | 0.84 | 0.63 | 0.50 |
|             | F            | F    | 70             | 0.40            | 29.7  | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36  | 0.91 | 0.68 | 0.55 |
| 04          | M            | M    | 20             | 0.28            | 20.8  | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95  | 0.64 | 0.48 | 0.38 |
|             | M            | M    | 30             | 0.35            | 26.0  | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19  | 0.80 | 0.60 | 0.48 |
|             | M            | F    | 40             | 0.40            | 29.7  | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36  | 0.91 | 0.68 | 0.55 |
|             | M            | F    | 50             | 0.45            | 33.4  | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53  | 1.02 | 0.77 | 0.61 |
|             | F            | F    | 60             | 0.49            | 36.4  | 29.1 | 24.3 | 18.2 | 14.6 | 12.1 | 9.7  | 7.3  | 1.67  | 1.11 | 0.84 | 0.67 |
|             | F            | F    | 70             | 0.53            | 39.4  | 31.5 | 26.2 | 19.7 | 15.7 | 13.1 | 10.5 | 7.9  | 1.81  | 1.20 | 0.90 | 0.72 |
| 05          | M            | M    | 20             | 0.35            | 26.0  | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19  | 0.80 | 0.60 | 0.48 |
|             | M            | M    | 30             | 0.43            | 31.9  | 25.5 | 21.3 | 16.0 | 12.8 | 10.6 | 8.5  | 6.4  | 1.47  | 0.98 | 0.73 | 0.59 |
|             | M            | F    | 40             | 0.50            | 37.1  | 29.7 | 24.8 | 18.6 | 14.9 | 12.4 | 9.9  | 7.4  | 1.71  | 1.14 | 0.85 | 0.68 |
|             | M            | F    | 50             | 0.56            | 41.6  | 33.3 | 27.7 | 20.8 | 16.6 | 13.9 | 11.1 | 8.3  | 1.91  | 1.27 | 0.95 | 0.76 |
|             | M            | F    | 60             | 0.61            | 45.3  | 36.2 | 30.2 | 22.6 | 18.1 | 15.1 | 12.1 | 9.1  | 2.08  | 1.39 | 1.04 | 0.83 |
|             | M            | F    | 70             | 0.66            | 49.0  | 39.2 | 32.7 | 24.5 | 19.6 | 16.3 | 13.1 | 9.8  | 2.25  | 1.50 | 1.13 | 0.90 |
| 06          | M            | M    | 20             | 0.42            | 31.2  | 24.9 | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43  | 0.95 | 0.72 | 0.57 |
|             | M            | M    | 30             | 0.52            | 38.6  | 30.9 | 25.7 | 19.3 | 15.4 | 12.9 | 10.3 | 7.7  | 1.77  | 1.18 | 0.89 | 0.71 |
|             | M            | M    | 40             | 0.60            | 44.6  | 35.6 | 29.7 | 22.3 | 17.8 | 14.9 | 11.9 | 8.9  | 2.05  | 1.36 | 1.02 | 0.82 |
|             | M            | F    | 50             | 0.67            | 49.7  | 39.8 | 33.2 | 24.9 | 19.9 | 16.6 | 13.3 | 9.9  | 2.28  | 1.52 | 1.14 | 0.91 |
|             | M            | F    | 60             | 0.73            | 54.2  | 43.4 | 36.1 | 27.1 | 21.7 | 18.1 | 14.5 | 10.8 | 2.49  | 1.66 | 1.24 | 1.00 |
|             | M            | F    | 70             | 0.79            | 58.7  | 46.9 | 39.1 | 29.3 | 23.5 | 19.6 | 15.6 | 11.7 | 2.69  | 1.80 | 1.35 | 1.08 |

Droplet size based on ASABE S572.1 standard.



**Metric Units**

| Nozzle Size | Droplet Size |      | Pressure (BAR) | Flow Rate (LPM) | Application Rate L/Ha - 50 cm spacing<br>KM/H |     |     |     |     |     |     |     |     |     |
|-------------|--------------|------|----------------|-----------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|             | 80°          | 110° |                |                 | 6   | 8   | 10  | 12  | 14  | 16  | 18  | 20  | 25  | 30  |
| 015         | F            | F    | 2              | 0.49            | 129   | 97  | 77  | 64  | 55  | 48  | 43  | 39  | 31  | 26  |
|             | F            | F    | 3              | 0.60            | 158   | 118 | 95  | 79  | 68  | 59  | 53  | 47  | 38  | 32  |
|             | F            | F    | 4              | 0.69            | 182   | 136 | 109 | 91  | 78  | 68  | 61  | 54  | 44  | 36  |
|             | VF           | F    | 5              | 0.77            | 203   | 152 | 122 | 101 | 87  | 76  | 68  | 61  | 49  | 41  |
| 02          | M            | F    | 2              | 0.65            | 171   | 128 | 103 | 86  | 73  | 64  | 57  | 51  | 41  | 34  |
|             | F            | F    | 3              | 0.80            | 211   | 158 | 126 | 105 | 90  | 79  | 70  | 63  | 51  | 42  |
|             | F            | F    | 4              | 0.92            | 242   | 182 | 145 | 121 | 104 | 91  | 81  | 73  | 58  | 48  |
|             | F            | F    | 5              | 1.03            | 271   | 203 | 163 | 136 | 116 | 102 | 90  | 81  | 65  | 54  |
| 03          | M            | F    | 2              | 0.98            | 258   | 193 | 155 | 129 | 111 | 97  | 86  | 77  | 62  | 52  |
|             | M            | F    | 3              | 1.20            | 316   | 237 | 189 | 158 | 135 | 118 | 105 | 95  | 76  | 63  |
|             | F            | F    | 4              | 1.39            | 366   | 274 | 219 | 183 | 157 | 137 | 122 | 110 | 88  | 73  |
|             | F            | F    | 5              | 1.55            | 408   | 306 | 245 | 204 | 175 | 153 | 136 | 122 | 98  | 82  |
| 04          | M            | M    | 2              | 1.31            | 345   | 259 | 207 | 172 | 148 | 129 | 115 | 103 | 83  | 69  |
|             | M            | F    | 3              | 1.60            | 421   | 316 | 253 | 211 | 180 | 158 | 140 | 126 | 101 | 84  |
|             | M            | F    | 4              | 1.85            | 487   | 365 | 292 | 243 | 209 | 183 | 162 | 146 | 117 | 97  |
|             | F            | F    | 5              | 2.07            | 545   | 409 | 327 | 272 | 233 | 204 | 182 | 163 | 131 | 109 |
| 05          | M            | M    | 2              | 1.63            | 429   | 322 | 257 | 214 | 184 | 161 | 143 | 129 | 103 | 86  |
|             | M            | F    | 3              | 2.00            | 526   | 395 | 316 | 263 | 226 | 197 | 175 | 158 | 126 | 105 |
|             | M            | F    | 4              | 2.31            | 608   | 456 | 365 | 304 | 261 | 228 | 203 | 182 | 146 | 122 |
|             | M            | F    | 5              | 2.58            | 679   | 509 | 407 | 339 | 291 | 255 | 226 | 204 | 163 | 136 |
| 06          | M            | M    | 2              | 1.96            | 516   | 387 | 309 | 258 | 221 | 193 | 172 | 155 | 124 | 103 |
|             | M            | M    | 3              | 2.40            | 632   | 474 | 379 | 316 | 271 | 237 | 211 | 189 | 152 | 126 |
|             | M            | F    | 4              | 2.77            | 729   | 547 | 437 | 364 | 312 | 273 | 243 | 219 | 175 | 146 |
|             | M            | F    | 5              | 3.10            | 816   | 612 | 489 | 408 | 350 | 306 | 272 | 245 | 196 | 163 |

Droplet size based on ASABE S572.1 standard.

| Features                   |                       |
|----------------------------|-----------------------|
| Common Use                 | General               |
| Pattern                    | Tapered Flat Fan      |
| Technology                 | Elliptical Orifice    |
| Material                   | Ceramic               |
| Spray Angle                | 80° & 110°            |
| Pressure Range             | 20-70 PSI (1.5-5 BAR) |
| Configuration              | Nozzles, FastCap      |
| Optimum Boom Height        |                       |
| 80° - 15" (35 cm) Spacing  | 22" (56 cm)           |
| 80° - 20" (50 cm) Spacing  | 30" (76 cm)           |
| 110° - 15" (35 cm) Spacing | 15" (35 cm)           |
| 110° - 20" (50 cm) Spacing | 20" (50 cm)           |
| Part Numbers               |                       |
| Nozzles 80°                | FastCaps 80°          |
| AXI-80015                  | FC-AXI-80015          |
| AXI-8002                   | FC-AXI-8002           |
| AXI-8003                   | FC-AXI-8003           |
| AXI-8004                   | FC-AXI-8004           |
| AXI-8005                   | FC-AXI-8005           |
| AXI-8006                   | FC-AXI-8006           |
| Nozzles 110°               | FastCaps 110°         |
| AXI-110015                 | FC-AXI-110015         |
| AXI-11002                  | FC-AXI-11002          |
| AXI-110025                 | -                     |
| AXI-11003                  | FC-AXI-11003          |
| AXI-11004                  | FC-AXI-11004          |
| AXI-11005                  | FC-AXI-11005          |
| AXI-11006                  | FC-AXI-11006          |
| Replacement Cap Gasket     |                       |
| 22W11MF64                  |                       |



# VP Tech 80° & 110°

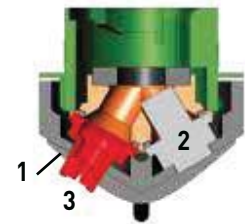


One VP nozzle and a removable blanking insert in a standard TwinCap for 30° inclined spray.

- Variable pressure nozzles maintain constant spray angle over a wide pressure range down to 20 psi (1 bar)
- Available in 80° and 110° versions to work at different boom heights
- Alternate the direction of the incline along the boom for optimum coverage of vertical targets

## US Units

| Nozzle Size | Droplet Size |      | Pressure (PSI) | Flow Rate (GPM) | Gallons per Acre 20 inch nozzle spacing |      |      |      |      |      |      |      | GAL/1000 <sup>ft</sup> |      |      |      |
|-------------|--------------|------|----------------|-----------------|---|------|------|------|------|------|------|------|------------------------|------|------|------|
|             | 80°          | 110° |                |                 | MPH                                     |      |      |      |      |      |      |      | 20 inch nozzle spacing |      |      |      |
|             |              |      |                |                 | 4                                       | 5    | 6    | 8    | 10   | 12   | 15   | 20   | 2                      | 3    | 4    | 5    |
| 02          | -            | -    | 20             | 0.14            | 10.4                                    | 8.3  | 6.9  | 5.2  | 4.2  | 3.5  | 2.8  | 2.1  | 0.48                   | 0.32 | 0.24 | 0.19 |
|             | F            | F    | 30             | 0.17            | 12.6                                    | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58                   | 0.39 | 0.29 | 0.23 |
|             | F            | F    | 40             | 0.20            | 14.9                                    | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68                   | 0.45 | 0.34 | 0.27 |
|             | F            | F    | 50             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75                   | 0.50 | 0.38 | 0.30 |
|             | F            | F    | 60             | 0.24            | 17.8                                    | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82                   | 0.55 | 0.41 | 0.33 |
|             | F            | F    | 70             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89                   | 0.59 | 0.44 | 0.35 |
| 025         | -            | M    | 20             | 0.18            | 13.4                                    | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7  | 0.61                   | 0.41 | 0.31 | 0.25 |
|             | -            | F    | 30             | 0.22            | 16.3                                    | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75                   | 0.50 | 0.38 | 0.30 |
|             | -            | F    | 40             | 0.25            | 18.6                                    | 14.9 | 12.4 | 9.3  | 7.4  | 6.2  | 5.0  | 3.7  | 0.85                   | 0.57 | 0.43 | 0.34 |
|             | -            | F    | 50             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95                   | 0.64 | 0.48 | 0.38 |
|             | -            | F    | 60             | 0.31            | 23.0                                    | 18.4 | 15.3 | 11.5 | 9.2  | 7.7  | 6.1  | 4.6  | 1.06                   | 0.70 | 0.53 | 0.42 |
|             | -            | F    | 70             | 0.33            | 24.5                                    | 19.6 | 16.3 | 12.3 | 9.8  | 8.2  | 6.5  | 4.9  | 1.13                   | 0.75 | 0.56 | 0.45 |
| 03          | M            | M    | 20             | 0.21            | 15.6                                    | 12.5 | 10.4 | 7.8  | 6.2  | 5.2  | 4.2  | 3.1  | 0.72                   | 0.48 | 0.36 | 0.29 |
|             | M            | F    | 30             | 0.26            | 19.3                                    | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89                   | 0.59 | 0.44 | 0.35 |
|             | F            | F    | 40             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02                   | 0.68 | 0.51 | 0.41 |
|             | F            | F    | 50             | 0.34            | 25.2                                    | 20.2 | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0  | 1.16                   | 0.77 | 0.58 | 0.46 |
|             | F            | F    | 60             | 0.37            | 27.5                                    | 22.0 | 18.3 | 13.7 | 11.0 | 9.2  | 7.3  | 5.5  | 1.26                   | 0.84 | 0.63 | 0.50 |
|             | F            | F    | 70             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36                   | 0.91 | 0.68 | 0.55 |
| 035         | -            | M    | 20             | 0.25            | 18.6                                    | 14.9 | 12.4 | 9.3  | 7.4  | 6.2  | 5.0  | 3.7  | 0.85                   | 0.57 | 0.43 | 0.34 |
|             | -            | F    | 30             | 0.30            | 22.3                                    | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02                   | 0.68 | 0.51 | 0.41 |
|             | -            | F    | 40             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19                   | 0.80 | 0.60 | 0.48 |
|             | -            | F    | 50             | 0.39            | 29.0                                    | 23.2 | 19.3 | 14.5 | 11.6 | 9.7  | 7.7  | 5.8  | 1.33                   | 0.89 | 0.66 | 0.53 |
|             | -            | F    | 60             | 0.43            | 31.9                                    | 25.5 | 21.3 | 16.0 | 12.8 | 10.6 | 8.5  | 6.4  | 1.47                   | 0.98 | 0.73 | 0.59 |
|             | -            | F    | 70             | 0.46            | 34.2                                    | 27.3 | 22.8 | 17.1 | 13.7 | 11.4 | 9.1  | 6.8  | 1.57                   | 1.05 | 0.78 | 0.63 |
| 04          | C            | M    | 20             | 0.28            | 20.8                                    | 16.6 | 13.9 | 10.4 | 8.3  | 6.9  | 5.5  | 4.2  | 0.95                   | 0.64 | 0.48 | 0.38 |
|             | M            | M    | 30             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19                   | 0.80 | 0.60 | 0.48 |
|             | M            | F    | 40             | 0.40            | 29.7                                    | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36                   | 0.91 | 0.68 | 0.55 |
|             | F            | F    | 50             | 0.45            | 33.4                                    | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53                   | 1.02 | 0.77 | 0.61 |
|             | F            | F    | 60             | 0.49            | 36.4                                    | 29.1 | 24.3 | 18.2 | 14.6 | 12.1 | 9.7  | 7.3  | 1.67                   | 1.11 | 0.84 | 0.67 |
|             | F            | F    | 70             | 0.53            | 39.4                                    | 31.5 | 26.2 | 19.7 | 15.7 | 13.1 | 10.5 | 7.9  | 1.81                   | 1.20 | 0.90 | 0.72 |
| 05          | C            | M    | 20             | 0.35            | 26.0                                    | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19                   | 0.80 | 0.60 | 0.48 |
|             | C            | M    | 30             | 0.43            | 31.9                                    | 25.5 | 21.3 | 16.0 | 12.8 | 10.6 | 8.5  | 6.4  | 1.47                   | 0.98 | 0.73 | 0.59 |
|             | M            | F    | 40             | 0.50            | 37.1                                    | 29.7 | 24.8 | 18.6 | 14.9 | 12.4 | 9.9  | 7.4  | 1.71                   | 1.14 | 0.85 | 0.68 |
|             | M            | F    | 50             | 0.56            | 41.6                                    | 33.3 | 27.7 | 20.8 | 16.6 | 13.9 | 11.1 | 8.3  | 1.91                   | 1.27 | 0.95 | 0.76 |
|             | M            | F    | 60             | 0.61            | 45.3                                    | 36.2 | 30.2 | 22.6 | 18.1 | 15.1 | 12.1 | 9.1  | 2.08                   | 1.39 | 1.04 | 0.83 |
|             | M            | F    | 70             | 0.66            | 49.0                                    | 39.2 | 32.7 | 24.5 | 19.6 | 16.3 | 13.1 | 9.8  | 2.25                   | 1.50 | 1.13 | 0.90 |
| 06          | C            | M    | 20             | 0.42            | 31.2                                    | 24.9 | 20.8 | 15.6 | 12.5 | 10.4 | 8.3  | 6.2  | 1.43                   | 0.95 | 0.72 | 0.57 |
|             | C            | M    | 30             | 0.52            | 38.6                                    | 30.9 | 25.7 | 19.3 | 15.4 | 12.9 | 10.3 | 7.7  | 1.77                   | 1.18 | 0.89 | 0.71 |
|             | M            | F    | 40             | 0.60            | 44.6                                    | 35.6 | 29.7 | 22.3 | 17.8 | 14.9 | 11.9 | 8.9  | 2.05                   | 1.36 | 1.02 | 0.82 |
|             | M            | F    | 50             | 0.67            | 49.7                                    | 39.8 | 33.2 | 24.9 | 19.9 | 16.6 | 13.3 | 9.9  | 2.28                   | 1.52 | 1.14 | 0.91 |
|             | M            | F    | 60             | 0.73            | 54.2                                    | 43.4 | 36.1 | 27.1 | 21.7 | 18.1 | 14.5 | 10.8 | 2.49                   | 1.66 | 1.24 | 1.00 |
|             | M            | F    | 70             | 0.79            | 58.7                                    | 46.9 | 39.1 | 29.3 | 23.5 | 19.6 | 15.6 | 11.7 | 2.69                   | 1.80 | 1.35 | 1.08 |



1. Inclined spray for vertical targets
2. Removable blanking insert
3. Fully formed spray pattern at low pressures

Droplet size based on ASABE S572.1 standard.



Low pressure performance allows for complete pattern formation and even coverage down to 15 psi (1 BAR).



Inclined 30° spray pattern of medium to fine droplets provides superior coverage and canopy penetration.

### Metric Units

| Nozzle Size | ASABE Droplet Size |      | Pressure (BAR) | Flow Rate (LPM) | Application Rate L/Ha - 50 cm spacing KM/H |     |     |     |     |     |     |     |
|-------------|--------------------|------|----------------|-----------------|--|-----|-----|-----|-----|-----|-----|-----|
|             | 80°                | 110° |                |                 | 7  | 8   | 10  | 12  | 15  | 20  | 25  | 30  |
| 02          | -                  | -    | 1              | 0,46            | 79   | 69  | 55  | 46  | 37  | 28  | 22  | 18  |
|             | -                  | -    | 1,5            | 0,57            | 98   | 86  | 68  | 57  | 46  | 34  | 27  | 23  |
|             | F                  | F    | 2              | 0,65            | 111  | 98  | 78  | 65  | 52  | 39  | 31  | 26  |
|             | F                  | F    | 3              | 0,80            | 137  | 120 | 96  | 80  | 64  | 48  | 38  | 32  |
|             | F                  | F    | 4              | 0,92            | 158  | 138 | 110 | 92  | 74  | 55  | 44  | 37  |
| 025         | -                  | M    | 1              | 0,58            | 99   | 87  | 70  | 58  | 46  | 35  | 28  | 23  |
|             | -                  | M    | 1,5            | 0,71            | 122  | 107 | 85  | 71  | 57  | 43  | 34  | 28  |
|             | -                  | F    | 2              | 0,82            | 141  | 123 | 98  | 82  | 66  | 49  | 39  | 33  |
|             | -                  | F    | 3              | 1,00            | 171  | 150 | 120 | 100 | 80  | 60  | 48  | 40  |
|             | -                  | F    | 4              | 1,15            | 197  | 173 | 138 | 115 | 92  | 69  | 55  | 46  |
| 03          | -                  | F    | 5              | 1,29            | 221  | 194 | 155 | 129 | 103 | 77  | 62  | 52  |
|             | C                  | M    | 1              | 0,69            | 118  | 104 | 83  | 69  | 55  | 41  | 33  | 28  |
|             | M                  | M    | 1,5            | 0,85            | 146  | 128 | 102 | 85  | 68  | 51  | 41  | 34  |
|             | M                  | F    | 2              | 0,98            | 168  | 147 | 118 | 98  | 78  | 59  | 47  | 39  |
|             | F                  | F    | 3              | 1,20            | 206  | 180 | 144 | 120 | 96  | 72  | 58  | 48  |
| 035         | F                  | F    | 4              | 1,39            | 238  | 209 | 167 | 139 | 111 | 83  | 67  | 56  |
|             | F                  | F    | 5              | 1,55            | 266  | 233 | 186 | 155 | 124 | 93  | 74  | 62  |
|             | -                  | M    | 1              | 0,81            | 139  | 122 | 97  | 81  | 65  | 49  | 39  | 32  |
|             | -                  | M    | 1,5            | 0,99            | 170  | 149 | 119 | 99  | 79  | 59  | 48  | 40  |
|             | -                  | M    | 2              | 1,14            | 195  | 171 | 137 | 114 | 91  | 68  | 55  | 46  |
| 04          | -                  | F    | 3              | 1,40            | 240  | 210 | 168 | 140 | 112 | 84  | 67  | 56  |
|             | -                  | F    | 4              | 1,62            | 278  | 243 | 194 | 162 | 130 | 97  | 78  | 65  |
|             | -                  | F    | 5              | 1,81            | 310  | 272 | 217 | 181 | 145 | 109 | 87  | 72  |
|             | C                  | M    | 1              | 0,92            | 158  | 138 | 110 | 92  | 74  | 55  | 44  | 37  |
|             | C                  | M    | 1,5            | 1,13            | 194  | 170 | 136 | 113 | 90  | 68  | 54  | 45  |
| 05          | M                  | M    | 2              | 1,31            | 225  | 197 | 157 | 131 | 105 | 79  | 63  | 52  |
|             | M                  | F    | 3              | 1,60            | 274  | 240 | 192 | 160 | 128 | 96  | 77  | 64  |
|             | F                  | F    | 4              | 1,85            | 317  | 278 | 222 | 185 | 148 | 111 | 89  | 74  |
|             | F                  | F    | 5              | 2,07            | 355  | 311 | 248 | 207 | 166 | 124 | 99  | 83  |
|             | C                  | M    | 1              | 1,15            | 197  | 173 | 138 | 115 | 92  | 69  | 55  | 46  |
| 06          | C                  | M    | 1,5            | 1,41            | 242  | 212 | 169 | 141 | 113 | 85  | 68  | 56  |
|             | C                  | M    | 2              | 1,63            | 279  | 245 | 196 | 163 | 130 | 98  | 78  | 65  |
|             | M                  | F    | 3              | 2,00            | 343  | 300 | 240 | 200 | 160 | 120 | 96  | 80  |
|             | M                  | F    | 4              | 2,31            | 396  | 347 | 277 | 231 | 185 | 139 | 111 | 92  |
|             | M                  | F    | 5              | 2,58            | 442  | 387 | 310 | 258 | 206 | 155 | 124 | 103 |
| 06          | C                  | C    | 1              | 1,39            | 238  | 209 | 167 | 139 | 111 | 83  | 67  | 56  |
|             | C                  | M    | 1,5            | 1,70            | 291  | 255 | 204 | 170 | 136 | 102 | 82  | 68  |
|             | C                  | M    | 2              | 1,96            | 336  | 294 | 235 | 196 | 157 | 118 | 94  | 78  |
|             | M                  | M    | 3              | 2,40            | 411  | 360 | 288 | 240 | 192 | 144 | 115 | 96  |
|             | M                  | F    | 4              | 2,77            | 475  | 416 | 332 | 277 | 222 | 166 | 133 | 111 |
| 06          | M                  | F    | 5              | 3,10            | 531  | 465 | 372 | 310 | 248 | 186 | 149 | 124 |

Droplet size based on ASABE S572.1 standard.

| Features                   |                       |
|----------------------------|-----------------------|
| Common Use                 | General               |
| Pattern                    | Tapered Flat Fan      |
| Technology                 | Elliptical Orifice    |
| Material                   | Polycetal             |
| Spray Angle                | 80° & 110°            |
| Pressure Range             | 20-70 PSI (1-5 BAR)   |
| Configuration              | TwinCap               |
| Optimum Boom Height        |                       |
| 80° - 15" (35 cm) Spacing  | 20" (51 cm)           |
| 80° - 20" (50 cm) Spacing  | 28" (71 cm)           |
| 110° - 15" (35 cm) Spacing | 13" (33 cm)           |
| 110° - 20" (50 cm) Spacing | 18" (46 cm)           |
| Part Numbers               |                       |
| TwinCap 80°                | TwinCap 110°          |
| VPT80-02                   | VPT110-02             |
| -                          | VPT110-025            |
| VPT80-03                   | VPT110-03             |
| -                          | VPT110-035            |
| VPT80-04                   | VPT110-04             |
| VPT80-05                   | VPT110-05             |
| VPT80-06                   | VPT110-06             |
| Replacement Parts          |                       |
| VPTCAP                     | Cap & Blanking Insert |
| 30Q3834                    | Blanking Insert       |
| 22W11MF64                  | Cap Gasket            |

Add suffix "-H" for Hardi compatible products





# FanTip 80° & 110°



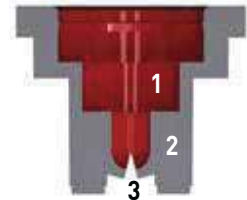
The FanTip is a general spray nozzle that produces a mixed droplet spectrum over the 30-60 psi (2-4 bar) operational pressure range. It is good for broadcast applications.

- Economical option for general spraying
- Simple one-piece design
- Polyacetal construction for superior product life compared to stainless steel or brass

## US Units

| Nozzle Size | Droplet Size |      | Pressure (PSI) | Flow Rate (GPM) | Gallons per Acre 20 inch nozzle spacing MPH |      |      |      |      |      |      |      |      |      | GAL/1000 Ft <sup>2</sup> 20 inch nozzle spacing |      |  |  |
|-------------|--------------|------|----------------|-----------------|---|------|------|------|------|------|------|------|------|------|---|------|--|--|
|             | 80°          | 110° |                |                 | 4   | 5    | 6    | 8    | 10   | 12   | 15   | 20   | 2    | 3    | 4   | 5    |  |  |
| 0067        | F            | -    | 30             | 0.058           | 4.3   | 3.4  | 2.9  | 2.2  | 1.7  | 1.4  | 1.1  | 0.9  | 0.20 | 0.13 | 0.10  | 0.08 |  |  |
|             | VF           | -    | 40             | 0.067           | 5.0   | 4.0  | 3.3  | 2.5  | 2.0  | 1.7  | 1.3  | 1.0  | 0.23 | 0.15 | 0.11  | 0.09 |  |  |
|             | VF           | -    | 50             | 0.075           | 5.6   | 4.5  | 3.7  | 2.8  | 2.2  | 1.9  | 1.5  | 1.1  | 0.26 | 0.17 | 0.13  | 0.10 |  |  |
|             | VF           | -    | 60             | 0.082           | 6.1   | 4.9  | 4.1  | 3.0  | 2.4  | 2.0  | 1.6  | 1.2  | 0.28 | 0.19 | 0.14  | 0.11 |  |  |
| 01          | VF           | F    | 30             | 0.09            | 6.7   | 5.3  | 4.5  | 3.3  | 2.7  | 2.2  | 1.8  | 1.3  | 0.31 | 0.20 | 0.15  | 0.12 |  |  |
|             | VF           | F    | 40             | 0.10            | 7.4   | 5.9  | 5.0  | 3.7  | 3.0  | 2.5  | 2.0  | 1.5  | 0.34 | 0.23 | 0.17  | 0.14 |  |  |
|             | VF           | F    | 50             | 0.11            | 8.2   | 6.5  | 5.4  | 4.1  | 3.3  | 2.7  | 2.2  | 1.6  | 0.38 | 0.25 | 0.19  | 0.15 |  |  |
|             | VF           | VF   | 60             | 0.12            | 8.9   | 7.1  | 5.9  | 4.5  | 3.6  | 3.0  | 2.4  | 1.8  | 0.41 | 0.27 | 0.20  | 0.16 |  |  |
| 015         | F            | F    | 30             | 0.13            | 9.7   | 7.7  | 6.4  | 4.8  | 3.9  | 3.2  | 2.6  | 1.9  | 0.44 | 0.30 | 0.22  | 0.18 |  |  |
|             | F            | F    | 40             | 0.15            | 11.1  | 8.9  | 7.4  | 5.6  | 4.5  | 3.7  | 3.0  | 2.2  | 0.51 | 0.34 | 0.26  | 0.20 |  |  |
|             | F            | F    | 50             | 0.17            | 12.6  | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58 | 0.39 | 0.29  | 0.23 |  |  |
|             | VF           | F    | 60             | 0.18            | 13.4  | 10.7 | 8.9  | 6.7  | 5.3  | 4.5  | 3.6  | 2.7  | 0.61 | 0.41 | 0.31  | 0.25 |  |  |
| 02          | M            | F    | 30             | 0.17            | 12.6  | 10.1 | 8.4  | 6.3  | 5.0  | 4.2  | 3.4  | 2.5  | 0.58 | 0.39 | 0.29  | 0.23 |  |  |
|             | F            | F    | 40             | 0.20            | 14.9  | 11.9 | 9.9  | 7.4  | 5.9  | 5.0  | 4.0  | 3.0  | 0.68 | 0.45 | 0.34  | 0.27 |  |  |
|             | F            | F    | 50             | 0.22            | 16.3  | 13.1 | 10.9 | 8.2  | 6.5  | 5.4  | 4.4  | 3.3  | 0.75 | 0.50 | 0.38  | 0.30 |  |  |
|             | F            | F    | 60             | 0.24            | 17.8  | 14.3 | 11.9 | 8.9  | 7.1  | 5.9  | 4.8  | 3.6  | 0.82 | 0.55 | 0.41  | 0.33 |  |  |
| 03          | C            | F    | 30             | 0.26            | 19.3  | 15.4 | 12.9 | 9.7  | 7.7  | 6.4  | 5.1  | 3.9  | 0.89 | 0.59 | 0.44  | 0.35 |  |  |
|             | M            | F    | 40             | 0.30            | 22.3  | 17.8 | 14.9 | 11.1 | 8.9  | 7.4  | 5.9  | 4.5  | 1.02 | 0.68 | 0.51  | 0.41 |  |  |
|             | F            | F    | 50             | 0.34            | 25.2  | 20.2 | 16.8 | 12.6 | 10.1 | 8.4  | 6.7  | 5.0  | 1.16 | 0.77 | 0.58  | 0.46 |  |  |
|             | F            | F    | 60             | 0.37            | 27.5  | 22.0 | 18.3 | 13.7 | 11.0 | 9.2  | 7.3  | 5.5  | 1.26 | 0.84 | 0.63  | 0.50 |  |  |
| 04          | C            | M    | 30             | 0.35            | 26.0  | 20.8 | 17.3 | 13.0 | 10.4 | 8.7  | 6.9  | 5.2  | 1.19 | 0.80 | 0.60  | 0.48 |  |  |
|             | M            | F    | 40             | 0.40            | 29.7  | 23.8 | 19.8 | 14.9 | 11.9 | 9.9  | 7.9  | 5.9  | 1.36 | 0.91 | 0.68  | 0.55 |  |  |
|             | M            | F    | 50             | 0.45            | 33.4  | 26.7 | 22.3 | 16.7 | 13.4 | 11.1 | 8.9  | 6.7  | 1.53 | 1.02 | 0.77  | 0.61 |  |  |
|             | F            | F    | 60             | 0.49            | 36.4  | 29.1 | 24.3 | 18.2 | 14.6 | 12.1 | 9.7  | 7.3  | 1.67 | 1.11 | 0.84  | 0.67 |  |  |
| 05          | C            | M    | 30             | 0.43            | 31.9  | 25.5 | 21.3 | 16.0 | 12.8 | 10.6 | 8.5  | 6.4  | 1.47 | 0.98 | 0.73  | 0.59 |  |  |
|             | M            | F    | 40             | 0.50            | 37.1  | 29.7 | 24.8 | 18.6 | 14.9 | 12.4 | 9.9  | 7.4  | 1.71 | 1.14 | 0.85  | 0.68 |  |  |
|             | M            | F    | 50             | 0.56            | 41.6  | 33.3 | 27.7 | 20.8 | 16.6 | 13.9 | 11.1 | 8.3  | 1.91 | 1.27 | 0.95  | 0.76 |  |  |
|             | M            | F    | 60             | 0.61            | 45.3  | 36.2 | 30.2 | 22.6 | 18.1 | 15.1 | 12.1 | 9.1  | 2.08 | 1.39 | 1.04  | 0.83 |  |  |
| 06          | C            | M    | 30             | 0.52            | 38.6  | 30.9 | 25.7 | 19.3 | 15.4 | 12.9 | 10.3 | 7.7  | 1.77 | 1.18 | 0.89  | 0.71 |  |  |
|             | C            | M    | 40             | 0.60            | 44.6  | 35.6 | 29.7 | 22.3 | 17.8 | 14.9 | 11.9 | 8.9  | 2.05 | 1.36 | 1.02  | 0.82 |  |  |
|             | C            | F    | 50             | 0.67            | 49.7  | 39.8 | 33.2 | 24.9 | 19.9 | 16.6 | 13.3 | 9.9  | 2.28 | 1.52 | 1.14  | 0.91 |  |  |
|             | C            | F    | 60             | 0.73            | 54.2  | 43.4 | 36.1 | 27.1 | 21.7 | 18.1 | 14.5 | 10.8 | 2.49 | 1.66 | 1.24  | 1.00 |  |  |
| 08          | VC           | M    | 30             | 0.69            | 51.2  | 41.0 | 34.2 | 25.6 | 20.5 | 17.1 | 13.7 | 10.2 | 2.35 | 1.57 | 1.18  | 0.94 |  |  |
|             | C            | M    | 40             | 0.80            | 59.4  | 47.5 | 39.6 | 29.7 | 23.8 | 19.8 | 15.8 | 11.9 | 2.73 | 1.82 | 1.36  | 1.09 |  |  |
|             | C            | M    | 50             | 0.89            | 66.1  | 52.9 | 44.1 | 33.0 | 26.4 | 22.0 | 17.6 | 13.2 | 3.03 | 2.02 | 1.52  | 1.21 |  |  |
|             | C            | M    | 60             | 0.98            | 72.8  | 58.2 | 48.5 | 36.4 | 29.1 | 24.3 | 19.4 | 14.6 | 3.34 | 2.23 | 1.67  | 1.34 |  |  |
| 10          | VC           | C    | 30             | 0.87            | 64.6  | 51.7 | 43.1 | 32.3 | 25.8 | 21.5 | 17.2 | 12.9 | 2.97 | 1.98 | 1.48  | 1.19 |  |  |
|             | C            | C    | 40             | 1.00            | 74.3  | 59.4 | 49.5 | 37.1 | 29.7 | 24.8 | 19.8 | 14.9 | 3.41 | 2.27 | 1.71  | 1.36 |  |  |
|             | C            | C    | 50             | 1.12            | 83.2  | 66.5 | 55.4 | 41.6 | 33.3 | 27.7 | 22.2 | 16.6 | 3.82 | 2.55 | 1.91  | 1.53 |  |  |
|             | C            | C    | 60             | 1.22            | 90.6  | 72.5 | 60.4 | 45.3 | 36.2 | 30.2 | 24.2 | 18.1 | 4.16 | 2.77 | 2.08  | 1.66 |  |  |
| 15          | VC           | C    | 30             | 1.30            | 96.5  | 77.2 | 64.4 | 48.3 | 38.6 | 32.2 | 25.7 | 19.3 | 4.43 | 2.96 | 2.22  | 1.77 |  |  |
|             | VC           | C    | 40             | 1.50            | 111   | 89.1 | 74.3 | 55.7 | 44.6 | 37.1 | 29.7 | 22.3 | 5.12 | 3.41 | 2.56  | 2.05 |  |  |
|             | C            | C    | 50             | 1.68            | 125   | 99.8 | 83.2 | 62.4 | 49.9 | 41.6 | 33.3 | 24.9 | 5.73 | 3.82 | 2.86  | 2.29 |  |  |
|             | C            | C    | 60             | 1.84            | 137   | 109  | 91.1 | 68.3 | 54.6 | 45.5 | 36.4 | 27.3 | 6.27 | 4.18 | 3.14  | 2.51 |  |  |
| 20          | VC           | C    | 30             | 1.73            | 128   | 103  | 85.6 | 64.2 | 51.4 | 42.8 | 34.3 | 25.7 | 5.90 | 3.93 | 2.95  | 2.36 |  |  |
|             | VC           | C    | 40             | 2.00            | 149   | 119  | 99.0 | 74.3 | 59.4 | 49.5 | 39.6 | 29.7 | 6.82 | 4.55 | 3.41  | 2.73 |  |  |
|             | VC           | C    | 50             | 2.24            | 166   | 133  | 111  | 83.2 | 66.5 | 55.4 | 44.4 | 33.3 | 7.64 | 5.09 | 3.82  | 3.06 |  |  |
|             | VC           | C    | 60             | 2.45            | 182   | 146  | 121  | 91.0 | 72.8 | 60.6 | 48.5 | 36.4 | 8.35 | 5.57 | 4.18  | 3.34 |  |  |

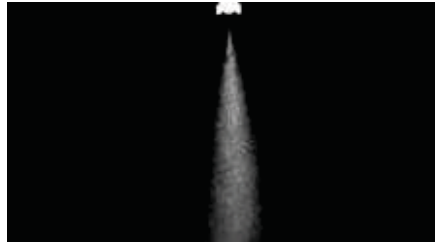
Droplet size based on ASABE S572.1 standard.



1. Simple; Non-Air Inducted technology
2. Polyacetal; single piece design
3. Available in many sizes to meet your flow rate needs



80° or 110° wide spray patterns; broad flow range and droplet spectrum to fit many spraying applications.



Polyacetal construction provides a wear resistant orifice to ensure pattern integrity.

### Metric Units

| Nozzle Size | ASABE Droplet Size |      | Pressure (BAR) | Flow Rate (LPM) | Application Rate L/Ha- 50 cm Spacing KM/H |      |      |     |     |     |     |     |
|-------------|--------------------|------|----------------|-----------------|---|------|------|-----|-----|-----|-----|-----|
|             | 80°                | 110° |                |                 | 7   | 8    | 10   | 12  | 15  | 20  | 25  | 30  |
| 0067        | F                  | -    | 2              | 0,22            | 38  | 33   | 26   | 22  | 18  | 13  | 11  | 9   |
|             | VF                 | -    | 2,5            | 0,25            | 43  | 38   | 30   | 25  | 20  | 15  | 12  | 10  |
|             | VF                 | -    | 3              | 0,27            | 46  | 41   | 32   | 27  | 22  | 16  | 13  | 11  |
|             | VF                 | -    | 4              | 0,31            | 53  | 47   | 37   | 31  | 25  | 19  | 15  | 12  |
| 01          | VF                 | F    | 2              | 0,33            | 57  | 50   | 40   | 33  | 26  | 20  | 16  | 13  |
|             | VF                 | F    | 2,5            | 0,37            | 63  | 56   | 44   | 37  | 30  | 22  | 18  | 15  |
|             | VF                 | F    | 3              | 0,40            | 69  | 60   | 48   | 40  | 32  | 24  | 19  | 16  |
|             | VF                 | VF   | 4              | 0,46            | 79  | 69   | 55   | 46  | 37  | 28  | 22  | 18  |
| 015         | F                  | F    | 2              | 0,49            | 84  | 74   | 59   | 49  | 39  | 29  | 24  | 20  |
|             | F                  | F    | 2,5            | 0,55            | 94  | 83   | 66   | 55  | 44  | 33  | 26  | 22  |
|             | F                  | F    | 3              | 0,60            | 103                                       | 90   | 72   | 60  | 48  | 36  | 29  | 24  |
|             | VF                 | F    | 4              | 0,69            | 118                                       | 104  | 83   | 69  | 55  | 41  | 33  | 28  |
| 02          | M                  | F    | 2              | 0,65            | 111                                       | 98   | 78   | 65  | 52  | 39  | 31  | 26  |
|             | F                  | F    | 2,5            | 0,73            | 125                                       | 110  | 88   | 73  | 58  | 44  | 35  | 29  |
|             | F                  | F    | 3              | 0,80            | 137                                       | 120  | 96   | 80  | 64  | 48  | 38  | 32  |
|             | F                  | F    | 4              | 0,92            | 158                                       | 138  | 110  | 92  | 74  | 55  | 44  | 37  |
| 03          | C                  | F    | 2              | 0,98            | 168                                       | 147  | 118  | 98  | 78  | 59  | 47  | 39  |
|             | M                  | F    | 2,5            | 1,10            | 189                                       | 165  | 132  | 110 | 88  | 66  | 53  | 44  |
|             | M                  | F    | 3              | 1,20            | 206                                       | 180  | 144  | 120 | 96  | 72  | 58  | 48  |
|             | F                  | F    | 4              | 1,39            | 238                                       | 209  | 167  | 139 | 111 | 83  | 67  | 56  |
| 04          | C                  | M    | 2              | 1,31            | 225                                       | 197  | 157  | 131 | 105 | 79  | 63  | 52  |
|             | M                  | F    | 2,5            | 1,46            | 250                                       | 219  | 175  | 146 | 117 | 88  | 70  | 58  |
|             | M                  | F    | 3              | 1,60            | 274                                       | 240  | 192  | 160 | 128 | 96  | 77  | 64  |
|             | M                  | F    | 4              | 1,85            | 317                                       | 278  | 222  | 185 | 148 | 111 | 89  | 74  |
| 05          | C                  | M    | 2              | 1,63            | 279                                       | 245  | 196  | 163 | 130 | 98  | 78  | 65  |
|             | M                  | M    | 2,5            | 1,83            | 314                                       | 275  | 220  | 183 | 146 | 110 | 88  | 73  |
|             | M                  | F    | 3              | 2,00            | 343                                       | 300  | 240  | 200 | 160 | 120 | 96  | 80  |
|             | M                  | F    | 4              | 2,31            | 396                                       | 347  | 277  | 231 | 185 | 139 | 111 | 92  |
| 06          | C                  | M    | 2              | 1,96            | 336                                       | 294  | 235  | 196 | 157 | 118 | 94  | 78  |
|             | C                  | M    | 2,5            | 2,19            | 375                                       | 329  | 263  | 219 | 175 | 131 | 105 | 88  |
|             | C                  | M    | 3              | 2,40            | 411                                       | 360  | 288  | 240 | 192 | 144 | 115 | 96  |
|             | C                  | F    | 4              | 2,77            | 475                                       | 416  | 332  | 277 | 222 | 166 | 133 | 111 |
| 08          | VC                 | M    | 2              | 2,61            | 447                                       | 392  | 313  | 261 | 209 | 157 | 125 | 104 |
|             | C                  | M    | 2,5            | 2,92            | 501                                       | 438  | 350  | 292 | 234 | 175 | 140 | 117 |
|             | C                  | M    | 3              | 3,20            | 549                                       | 480  | 384  | 320 | 256 | 192 | 154 | 128 |
|             | C                  | M    | 4              | 3,70            | 634                                       | 555  | 444  | 370 | 296 | 222 | 178 | 148 |
| 10          | VC                 | C    | 2              | 3,27            | 561                                       | 491  | 392  | 327 | 262 | 196 | 157 | 131 |
|             | C                  | C    | 2,5            | 3,65            | 626                                       | 548  | 438  | 365 | 292 | 219 | 175 | 146 |
|             | C                  | C    | 3              | 4,00            | 686                                       | 600  | 480  | 400 | 320 | 240 | 192 | 160 |
|             | C                  | C    | 4              | 4,62            | 792                                       | 693  | 554  | 462 | 370 | 277 | 222 | 185 |
| 15          | VC                 | C    | 2              | 4,90            | 840                                       | 735  | 588  | 490 | 392 | 294 | 235 | 196 |
|             | VC                 | C    | 2,5            | 5,48            | 939                                       | 822  | 658  | 548 | 438 | 329 | 263 | 219 |
|             | VC                 | C    | 3              | 6,00            | 1029                                      | 900  | 720  | 600 | 480 | 360 | 288 | 240 |
|             | C                  | C    | 4              | 6,93            | 1188                                      | 1040 | 832  | 693 | 554 | 416 | 333 | 277 |
| 20          | VC                 | C    | 2              | 6,53            | 1119                                      | 980  | 784  | 653 | 522 | 392 | 313 | 261 |
|             | VC                 | C    | 2,5            | 7,30            | 1251                                      | 1095 | 876  | 730 | 584 | 438 | 350 | 292 |
|             | VC                 | C    | 3              | 8,00            | 1371                                      | 1200 | 960  | 800 | 640 | 480 | 384 | 320 |
|             | VC                 | C    | 4              | 9,24            | 1584                                      | 1386 | 1109 | 924 | 739 | 554 | 444 | 370 |

Droplet size based on ASABE S572.1 standard.

| Features                      |                     |                |
|-------------------------------|---------------------|----------------|
| Common Use                    | General             |                |
| Pattern                       | Tapered Flat Fan    |                |
| Technology                    | Elliptical Orifice  |                |
| Material                      | Polyacetal          |                |
| Spray Angle                   | 80° & 110°          |                |
| Pressure Range                | 30-60 PSI [2-4 BAR] |                |
| Configuration                 | Nozzle              |                |
| Optimum Boom Height           |                     |                |
| 80° - 15"<br>(35 cm) Spacing  | 22" (56 cm)         |                |
| 80° - 20"<br>(50 cm) Spacing  | 30" (76 cm)         |                |
| 110° - 15"<br>(35 cm) Spacing | 15" (35 cm)         |                |
| 110° - 20"<br>(50 cm) Spacing | 20" (50 cm)         |                |
| Part Numbers                  |                     |                |
| Nozzles 80°                   | Nozzles 110°        | Caps (25 Pack) |
| F80-0067                      | -                   | CAP00-20       |
| F80-01                        | F110-01             | CAP00-01       |
| F80-015                       | F110-015            | CAP00-015      |
| F80-02                        | F110-02             | CAP00-02       |
| F80-03                        | F110-03             | CAP00-03       |
| F80-04                        | F110-04             | CAP00-04       |
| F80-05                        | F110-05             | CAP00-05       |
| F80-06                        | F110-06             | CAP00-06       |
| F80-08                        | F110-08             | CAP00-08       |
| F80-10                        | F110-10             | CAP00-10       |
| F80-15                        | F110-15             | CAP00-15       |
| F80-20                        | F110-20             | CAP00-20       |