



# PENTAIR HYPRO\* GUARDIANAIR TWIN CERAMIC 120°



Very low-drift, air induction twin flat spray nozzle for optimized deposition and canopy penetration.

- ◆ Up to 90% drift reduction depending on nozzle size and pressure
- ◆ Optimum deposition on foliage and vertical target surfaces thanks to symmetrical twin flat spray jet 30°/30°
- ◆ Dual fan design provides excellent canopy penetration for high coverage applications

## US UNITS

| Nozzle Size | Droplet Size | Pressure (PSI) | Flow Rate (GPM) | Speed (MPH) - 20 inch nozzle spacing |      |      |      |      |      |      |      |     |      |     |  |
|-------------|--------------|----------------|-----------------|--------------------------------------|------|------|------|------|------|------|------|-----|------|-----|--|
|             |              |                |                 | Gallons per Acre                     |      |      |      |      |      |      |      |     |      |     |  |
|             |              |                |                 | 5                                    | 7.5  | 10   | 12.5 | 15   | 17.5 | 20   | 22.5 | 25  | 27.5 | 30  |  |
| 03          | XC           | 15             | 0.18            | 10.7                                 | 7.1  | 5.3  | 4.3  | 3.6  | 3.1  | 2.7  | 2.4  | 2.1 | 1.9  | 1.8 |  |
|             | VC           | 20             | 0.22            | 13.1                                 | 8.7  | 6.5  | 5.2  | 4.4  | 3.7  | 3.3  | 2.9  | 2.6 | 2.4  | 2.2 |  |
|             | VC           | 30             | 0.26            | 15.4                                 | 10.3 | 7.7  | 6.2  | 5.1  | 4.4  | 3.9  | 3.4  | 3.1 | 2.8  | 2.6 |  |
|             | VC           | 40             | 0.29            | 17.2                                 | 11.5 | 8.6  | 6.9  | 5.7  | 4.9  | 4.3  | 3.8  | 3.4 | 3.1  | 2.9 |  |
|             | C            | 50             | 0.31            | 18.4                                 | 12.3 | 9.2  | 7.4  | 6.1  | 5.3  | 4.6  | 4.1  | 3.7 | 3.3  | 3.1 |  |
|             | M            | 60             | 0.36            | 21.4                                 | 14.3 | 10.7 | 8.6  | 7.1  | 6.1  | 5.3  | 4.8  | 4.3 | 3.9  | 3.6 |  |
|             | M            | 75             | 0.40            | 23.8                                 | 15.8 | 11.9 | 9.5  | 7.9  | 6.8  | 5.9  | 5.3  | 4.8 | 4.3  | 4.0 |  |
| 04          | M            | 90             | 0.44            | 26.1                                 | 17.4 | 13.1 | 10.5 | 8.7  | 7.5  | 6.5  | 5.8  | 5.2 | 4.8  | 4.4 |  |
|             | XC           | 15             | 0.24            | 14.3                                 | 9.5  | 7.1  | 5.7  | 4.8  | 4.1  | 3.6  | 3.2  | 2.9 | 2.6  | 2.4 |  |
|             | VC           | 20             | 0.30            | 17.8                                 | 11.9 | 8.9  | 7.1  | 5.9  | 5.1  | 4.5  | 4.0  | 3.6 | 3.2  | 3.0 |  |
|             | C            | 30             | 0.34            | 20.2                                 | 13.5 | 10.1 | 8.1  | 6.7  | 5.8  | 5.0  | 4.5  | 4.0 | 3.7  | 3.4 |  |
|             | C            | 40             | 0.38            | 22.6                                 | 15.0 | 11.3 | 9.0  | 7.5  | 6.4  | 5.6  | 5.0  | 4.5 | 4.1  | 3.8 |  |
|             | C            | 50             | 0.42            | 24.9                                 | 16.6 | 12.5 | 10.0 | 8.3  | 7.1  | 6.2  | 5.5  | 5.0 | 4.5  | 4.2 |  |
|             | M            | 60             | 0.48            | 28.5                                 | 19.0 | 14.3 | 11.4 | 9.5  | 8.1  | 7.1  | 6.3  | 5.7 | 5.2  | 4.8 |  |
| 05          | M            | 75             | 0.54            | 32.1                                 | 21.4 | 16.0 | 12.8 | 10.7 | 9.2  | 8.0  | 7.1  | 6.4 | 5.8  | 5.3 |  |
|             | M            | 90             | 0.59            | 35.0                                 | 23.4 | 17.5 | 14.0 | 11.7 | 10.0 | 8.8  | 7.8  | 7.0 | 6.4  | 5.8 |  |
|             | XC           | 15             | 0.30            | 17.8                                 | 11.9 | 8.9  | 7.1  | 5.9  | 5.1  | 4.5  | 4.0  | 3.6 | 3.2  | 3.0 |  |
|             | VC           | 20             | 0.37            | 22.0                                 | 14.7 | 11.0 | 8.8  | 7.3  | 6.3  | 5.5  | 4.9  | 4.4 | 4.0  | 3.7 |  |
|             | C            | 30             | 0.43            | 25.5                                 | 17.0 | 12.8 | 10.2 | 8.5  | 7.3  | 6.4  | 5.7  | 5.1 | 4.6  | 4.3 |  |
|             | C            | 40             | 0.48            | 28.5                                 | 19.0 | 14.3 | 11.4 | 9.5  | 8.1  | 7.1  | 6.3  | 5.7 | 5.2  | 4.8 |  |
|             | C            | 50             | 0.52            | 30.9                                 | 20.6 | 15.4 | 12.4 | 10.3 | 8.8  | 7.7  | 6.9  | 6.2 | 5.6  | 5.1 |  |
| 05          | M            | 60             | 0.60            | 35.6                                 | 23.8 | 17.8 | 14.3 | 11.9 | 10.2 | 8.9  | 7.9  | 7.1 | 6.5  | 5.9 |  |
|             | M            | 75             | 0.67            | 39.8                                 | 26.5 | 19.9 | 15.9 | 13.3 | 11.4 | 9.9  | 8.8  | 8.0 | 7.2  | 6.6 |  |
|             | M            | 90             | 0.74            | 44.0                                 | 29.3 | 22.0 | 17.6 | 14.7 | 12.6 | 11.0 | 9.8  | 8.8 | 8.0  | 7.3 |  |

## METRIC UNITS

| Nozzle Size | Droplet Size | Pressure (BAR) | Flow Rate (LPM) | Speed (KW/H)                          |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
|-------------|--------------|----------------|-----------------|---------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
|             |              |                |                 | Application Rate L/Ha - 50 cm Spacing |      |      |      |      |      |      |      |      |      |      |      |      |      |  |
|             |              |                |                 | 40                                    | 60   | 80   | 100  | 120  | 140  | 160  | 180  | 200  | 220  | 240  | 260  | 280  | 300  |  |
| 03          | XC           | 1              | 0.69            | 20.7                                  | 13.8 | 10.4 | 8.3  | 6.9  | 5.9  | 5.2  | 4.6  | 4.1  | 3.8  | 3.5  | 3.2  | 3.0  | 2.8  |  |
|             | VC           | 1.5            | 0.84            | 25.2                                  | 16.8 | 12.6 | 10.1 | 8.4  | 7.2  | 6.3  | 5.6  | 5.0  | 4.6  | 4.2  | 3.9  | 3.6  | 3.4  |  |
|             | VC           | 2              | 0.97            | 29.1                                  | 19.4 | 14.6 | 11.6 | 9.7  | 8.3  | 7.3  | 6.5  | 5.8  | 5.3  | 4.9  | 4.5  | 4.2  | 3.9  |  |
|             | VC           | 2.5            | 1.08            | 32.4                                  | 21.6 | 16.2 | 13.0 | 10.8 | 9.3  | 8.1  | 7.2  | 6.5  | 5.9  | 5.4  | 5.0  | 4.6  | 4.3  |  |
|             | C            | 3              | 1.19            | 35.7                                  | 23.8 | 17.9 | 14.3 | 11.9 | 10.2 | 8.9  | 7.9  | 7.1  | 6.5  | 6.0  | 5.5  | 5.1  | 4.8  |  |
|             | M            | 4              | 1.37            | 41.1                                  | 27.4 | 20.6 | 16.4 | 13.7 | 11.7 | 10.3 | 9.1  | 8.2  | 7.5  | 6.9  | 6.3  | 5.9  | 5.5  |  |
|             | M            | 5              | 1.53            | 45.9                                  | 30.6 | 23.0 | 18.4 | 15.3 | 13.1 | 11.5 | 10.2 | 9.2  | 8.3  | 7.7  | 7.1  | 6.6  | 6.1  |  |
| 04          | M            | 6              | 1.68            | 50.4                                  | 33.6 | 25.2 | 20.2 | 16.8 | 14.4 | 12.6 | 11.2 | 10.1 | 9.2  | 8.4  | 7.8  | 7.2  | 6.7  |  |
|             | XC           | 1              | 0.91            | 27.3                                  | 18.2 | 13.7 | 10.9 | 9.1  | 7.8  | 6.8  | 6.1  | 5.5  | 5.0  | 4.6  | 4.2  | 3.9  | 3.6  |  |
|             | VC           | 1.5            | 1.12            | 33.6                                  | 22.4 | 16.8 | 13.4 | 11.2 | 9.6  | 8.4  | 7.5  | 6.7  | 6.1  | 5.6  | 5.2  | 4.8  | 4.5  |  |
|             | C            | 2              | 1.29            | 38.7                                  | 25.8 | 19.4 | 15.5 | 12.9 | 11.1 | 9.7  | 8.6  | 7.7  | 7.0  | 6.5  | 6.0  | 5.5  | 5.2  |  |
|             | C            | 2.5            | 1.44            | 43.2                                  | 28.8 | 21.6 | 17.3 | 14.4 | 12.3 | 10.8 | 9.6  | 8.6  | 7.9  | 7.2  | 6.6  | 6.2  | 5.8  |  |
|             | C            | 3              | 1.58            | 47.4                                  | 31.6 | 23.7 | 19.0 | 15.8 | 13.5 | 11.9 | 10.5 | 9.5  | 8.6  | 7.9  | 7.3  | 6.8  | 6.3  |  |
|             | M            | 4              | 1.82            | 54.6                                  | 36.4 | 27.3 | 21.8 | 18.2 | 15.6 | 13.7 | 12.1 | 10.9 | 9.9  | 9.1  | 8.4  | 7.8  | 7.3  |  |
| 05          | M            | 5              | 2.04            | 61.2                                  | 40.8 | 30.6 | 24.5 | 20.4 | 17.5 | 15.3 | 13.6 | 12.2 | 11.1 | 10.2 | 9.4  | 8.7  | 8.2  |  |
|             | M            | 6              | 2.23            | 66.9                                  | 44.6 | 33.5 | 26.8 | 22.3 | 19.1 | 16.7 | 14.9 | 13.4 | 12.2 | 11.2 | 10.3 | 9.6  | 8.9  |  |
|             | XC           | 1              | 1.14            | 34.2                                  | 22.8 | 17.1 | 13.7 | 11.4 | 9.8  | 8.6  | 7.6  | 6.8  | 6.2  | 5.7  | 5.3  | 4.9  | 4.6  |  |
|             | VC           | 1.5            | 1.39            | 41.7                                  | 27.8 | 20.9 | 16.7 | 13.9 | 11.9 | 10.4 | 9.3  | 8.3  | 7.6  | 7.0  | 6.4  | 6.0  | 5.6  |  |
|             | C            | 2              | 1.61            | 48.3                                  | 32.2 | 24.2 | 19.3 | 16.1 | 13.8 | 12.1 | 10.7 | 9.7  | 8.8  | 8.1  | 7.4  | 6.9  | 6.4  |  |
|             | C            | 2.5            | 1.80            | 54.0                                  | 36.0 | 27.0 | 21.6 | 18.0 | 15.4 | 13.5 | 12.0 | 10.8 | 9.8  | 9.0  | 8.3  | 7.7  | 7.2  |  |
|             | C            | 3              | 1.97            | 59.1                                  | 39.4 | 29.6 | 23.6 | 19.7 | 16.9 | 14.8 | 13.1 | 11.8 | 10.7 | 9.9  | 9.1  | 8.4  | 7.9  |  |
| 05          | M            | 4              | 2.28            | 68.4                                  | 45.6 | 34.2 | 27.4 | 22.8 | 19.5 | 17.1 | 15.2 | 13.7 | 12.4 | 11.4 | 10.5 | 9.8  | 9.1  |  |
|             | M            | 5              | 2.55            | 76.5                                  | 51.0 | 38.3 | 30.6 | 25.5 | 21.9 | 19.1 | 17.0 | 15.3 | 13.9 | 12.8 | 11.8 | 10.9 | 10.2 |  |
|             | M            | 6              | 2.79            | 83.7                                  | 55.8 | 41.9 | 33.5 | 27.9 | 23.9 | 20.9 | 18.6 | 16.7 | 15.2 | 14.0 | 12.9 | 12.0 | 11.2 |  |

| Features                    |                                       |
|-----------------------------|---------------------------------------|
| Common Use                  | Insecticides, Fungicides & Herbicides |
| Pattern                     | Tapered Flat Fan                      |
| Technology                  | Air Induction                         |
| Material                    | Ceramic                               |
| Spray Angle                 | Front 120° Back 120°                  |
| Configuration               | Tips, FastCap                         |
| Application Selection Guide |                                       |
| Foliar Contact              | Excellent                             |
| Foliar Systemic             | Excellent                             |
| Soil Applied                | Excellent                             |
| Part Numbers                |                                       |
| Nozzles 120°                | FastCaps 120°                         |
| GATC120-03                  | FC-GATC120-03                         |
| GATC120-04                  | FC-GATC120-04                         |
| GATC120-05                  | FC-GATC120-05                         |
| Replacement Cap Gasket      |                                       |
| TS01-50                     | 50# strainer for size 04-05           |
| TS01-100                    | 100# strainer for size 03             |

