

LO-DRIFT 80° & 110°



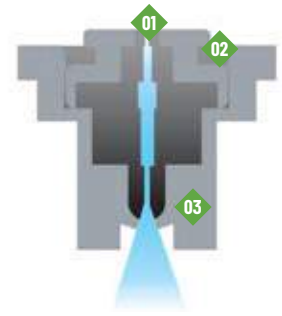
The Lo-Drift is the original drift-reducing nozzle. The special two-part construction includes a pre-orifice, which reduces the number of drift prone droplets.

- ◆ Significantly reduces spray drift, widening the operational window
- ◆ Balanced droplet size for effective, on-target spray
- ◆ PWM system compatible

US UNITS

| Nozzle Size | Droplet Size | | Pressure (PSI) | Flow Rate (GPM) | Gallons per Acre 20 inch nozzle spacing | | | | | | | | | | GAL/1000 Ft ² 20 inch nozzle spacing | | | |
|-------------|--------------|------|----------------|-----------------|---|------|------|------|------|------|------|------|------|------|--|------|---|---|
| | 80° | 110° | | | MPH | | | | | | | | | | 2 | 3 | 4 | 5 |
| | | | | | 4 | 5 | 6 | 8 | 10 | 12 | 15 | 20 | | | | | | |
| 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 | C | 30 | 0.26 | 18.3 | 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.



01. Non-Air Inducted; Pre-orifice design for excellent performance with suspension solutions
02. Dual component construction
Material: Polyacetal



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 <http://pentair.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 |
|-------------|--------------------|------|----------------|-----------------|--|-----|-----|-----|-----|-----|-----|-----|-----------------------------|
| | 80° | 110° | | | 7 | 8 | 10 | 12 | 15 | 20 | 25 | 30 | LERAP |
| 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% + 2.0-3.0 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