

















AirMix® Asymmetric Dual Fan AMDF Nozzles

The AirMix® Dual Fan Nozzle can be used in a variety of applications from burndown with glyphosate to insecticides, fungicides and other contact chemicals. The dual 110 fans are oriented 10° forward and 50° rearward to provide a combination of penetration and backside coverage in complex canopies. To maximize coverage, the nozzles may be alternated on the boom to provide four angles of spray orientation into the canopy, effectively spraying the target four times in one pass. Care should be taken to match the droplet size to the application. Sizes 06-12 may be used with PWM systems.

Pressure Range: 15-90 psi Suggested Spray Height: 16" - 36" (on 20" centers)

Materials of Construction: Polyacetyl, EPDM

| | Liquid Pressure PSI | Droplet Size ASABE | Nozzle Capacity GPM | GALLONS PER ACRE BASED ON 15" NOZZLE SPACING | | | | | | | | | |
|---|---------------------|--------------------|---------------------|--|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| | | | | 3 MPH | 4 MPH | 6 MPH | 8 MPH | 10 MPH | 12 MPH | 14 MPH | 16 MPH | 18 MPH | 20 MPH |
|  | 20 | C | 0.14 | 18.7 | 14.0 | 9.3 | 7.0 | 5.6 | 4.7 | 4.0 | 3.5 | 3.1 | 2.8 |
| | 30 | M | 0.17 | 22.9 | 17.1 | 11.4 | 8.6 | 6.9 | 5.7 | 4.9 | 4.3 | 3.8 | 3.4 |
| | 40 | M | 0.20 | 26.4 | 19.8 | 13.2 | 9.9 | 7.9 | 6.6 | 5.7 | 5.0 | 4.4 | 4.0 |
| | 50 | F | 0.22 | 29.5 | 22.1 | 14.8 | 11.1 | 8.9 | 7.4 | 6.3 | 5.5 | 4.9 | 4.4 |
| | 60 | F | 0.24 | 32.3 | 24.2 | 16.2 | 12.1 | 9.7 | 8.1 | 6.9 | 6.1 | 5.4 | 4.8 |
| | 70 | F | 0.26 | 34.9 | 26.2 | 17.5 | 13.1 | 10.5 | 8.7 | 7.5 | 6.5 | 5.8 | 5.2 |
| | 80 | F | 0.28 | 37.3 | 28.0 | 18.7 | 14.0 | 11.2 | 9.3 | 8.0 | 7.0 | 6.2 | 5.6 |
|  | 20 | C | 0.18 | 23.3 | 17.5 | 11.7 | 8.8 | 7.0 | 5.8 | 5.0 | 4.4 | 3.9 | 3.5 |
| | 30 | M | 0.22 | 28.6 | 21.4 | 14.3 | 10.7 | 8.6 | 7.1 | 6.1 | 5.4 | 4.8 | 4.3 |
| | 40 | M | 0.25 | 33.0 | 24.8 | 16.5 | 12.4 | 9.9 | 8.3 | 7.1 | 6.2 | 5.5 | 5.0 |
| | 50 | F | 0.28 | 36.9 | 27.7 | 18.4 | 13.8 | 11.1 | 9.2 | 7.9 | 6.9 | 6.1 | 5.5 |
| | 60 | F | 0.31 | 40.4 | 30.3 | 20.2 | 15.2 | 12.1 | 10.1 | 8.7 | 7.6 | 6.7 | 6.1 |
| | 70 | F | 0.33 | 43.7 | 32.7 | 21.8 | 16.4 | 13.1 | 10.9 | 9.4 | 8.2 | 7.3 | 6.5 |
| | 80 | F | 0.35 | 46.7 | 35.0 | 23.3 | 17.5 | 14.0 | 11.7 | 10.0 | 8.8 | 7.8 | 7.0 |
|  | 20 | C | 0.21 | 28.0 | 21.0 | 14.0 | 10.5 | 8.4 | 7.0 | 6.0 | 5.3 | 4.7 | 4.2 |
| | 30 | M | 0.26 | 34.3 | 25.7 | 17.1 | 12.9 | 10.3 | 8.6 | 7.3 | 6.4 | 5.7 | 5.1 |
| | 40 | M | 0.30 | 39.6 | 29.7 | 19.8 | 14.9 | 11.9 | 9.9 | 8.5 | 7.4 | 6.6 | 5.9 |
| | 50 | F | 0.34 | 44.3 | 33.2 | 22.1 | 16.6 | 13.3 | 11.1 | 9.5 | 8.3 | 7.4 | 6.6 |
| | 60 | F | 0.37 | 48.5 | 36.4 | 24.2 | 18.2 | 14.5 | 12.1 | 10.4 | 9.1 | 8.1 | 7.3 |
| | 70 | F | 0.40 | 52.4 | 39.3 | 26.2 | 19.6 | 15.7 | 13.1 | 11.2 | 9.8 | 8.7 | 7.9 |
| | 80 | F | 0.42 | 56.0 | 42.0 | 28.0 | 21.0 | 16.8 | 14.0 | 12.0 | 10.5 | 9.3 | 8.4 |
|  | 20 | C | 0.25 | 32.7 | 24.5 | 16.3 | 12.3 | 9.8 | 8.2 | 7.0 | 6.1 | 5.4 | 4.9 |
| | 30 | C M | 0.30 | 40.0 | 30.0 | 20.0 | 15.0 | 12.0 | 10.0 | 8.6 | 7.5 | 6.7 | 6.0 |
| | 40 | M | 0.35 | 46.2 | 34.7 | 23.1 | 17.3 | 13.9 | 11.6 | 9.9 | 8.7 | 7.7 | 6.9 |
| | 50 | M F | 0.39 | 51.7 | 38.7 | 25.8 | 19.4 | 15.5 | 12.9 | 11.1 | 9.7 | 8.6 | 7.7 |
| | 60 | F | 0.43 | 56.6 | 42.4 | 28.3 | 21.2 | 17.0 | 14.1 | 12.1 | 10.6 | 9.4 | 8.5 |
| | 70 | F | 0.46 | 61.1 | 45.8 | 30.6 | 22.9 | 18.3 | 15.3 | 13.1 | 11.5 | 10.2 | 9.2 |
| | 80 | F | 0.49 | 65.3 | 49.0 | 32.7 | 24.5 | 19.6 | 16.3 | 14.0 | 12.3 | 10.9 | 9.8 |
|  | 20 | C | 0.28 | 37.3 | 28.0 | 18.7 | 14.0 | 11.2 | 9.3 | 8.0 | 7.0 | 6.2 | 5.6 |
| | 30 | C | 0.35 | 45.7 | 34.3 | 22.9 | 17.1 | 13.7 | 11.4 | 9.8 | 8.6 | 7.6 | 6.9 |
| | 40 | M | 0.40 | 52.8 | 39.6 | 26.4 | 19.8 | 15.8 | 13.2 | 11.3 | 9.9 | 8.8 | 7.9 |
| | 50 | M | 0.45 | 59.0 | 44.3 | 29.5 | 22.1 | 17.7 | 14.8 | 12.6 | 11.1 | 9.8 | 8.9 |
| | 60 | F | 0.49 | 64.7 | 48.5 | 32.3 | 24.2 | 19.4 | 16.2 | 13.9 | 12.1 | 10.8 | 9.7 |
| | 70 | F | 0.53 | 69.8 | 52.4 | 34.9 | 26.2 | 21.0 | 17.5 | 15.0 | 13.1 | 11.6 | 10.5 |
| | 80 | F | 0.57 | 74.7 | 56.0 | 37.3 | 28.0 | 22.4 | 18.7 | 16.0 | 14.0 | 12.4 | 11.2 |
|  | 20 | C | 0.32 | 42.0 | 31.5 | 21.0 | 15.8 | 12.6 | 10.5 | 9.0 | 7.9 | 7.0 | 6.3 |
| | 30 | C | 0.39 | 51.4 | 38.6 | 25.7 | 19.3 | 15.4 | 12.9 | 11.0 | 9.6 | 8.6 | 7.7 |
| | 40 | C M | 0.45 | 59.4 | 44.6 | 29.7 | 22.3 | 17.8 | 14.9 | 12.7 | 11.1 | 9.9 | 8.9 |
| | 50 | M | 0.50 | 66.4 | 49.8 | 33.2 | 24.9 | 19.9 | 16.6 | 14.2 | 12.5 | 11.1 | 10.0 |
| | 60 | M F | 0.55 | 72.7 | 54.6 | 36.4 | 27.3 | 21.8 | 18.2 | 15.6 | 13.6 | 12.1 | 10.9 |
| | 70 | M F | 0.60 | 78.6 | 58.9 | 39.3 | 29.5 | 23.6 | 19.6 | 16.8 | 14.7 | 13.1 | 11.8 |
| | 80 | M F | 0.64 | 84.0 | 63.0 | 42.0 | 31.5 | 25.2 | 21.0 | 18.0 | 15.8 | 14.0 | 12.6 |
|  | 20 | C | 0.35 | 46.7 | 35.0 | 23.3 | 17.5 | 14.0 | 11.7 | 10.0 | 8.8 | 7.8 | 7.0 |
| | 30 | C | 0.43 | 57.2 | 42.9 | 28.6 | 21.4 | 17.1 | 14.3 | 12.2 | 10.7 | 9.5 | 8.6 |
| | 40 | C | 0.50 | 66.0 | 49.5 | 33.0 | 24.8 | 19.8 | 16.5 | 14.1 | 12.4 | 11.0 | 9.9 |
| | 50 | M | 0.56 | 73.8 | 55.3 | 36.9 | 27.7 | 22.1 | 18.4 | 15.8 | 13.8 | 12.3 | 11.1 |
| | 60 | M | 0.61 | 80.8 | 60.6 | 40.4 | 30.3 | 24.2 | 20.2 | 17.3 | 15.2 | 13.5 | 12.1 |
| | 70 | M | 0.66 | 87.3 | 65.5 | 43.7 | 32.7 | 26.2 | 21.8 | 18.7 | 16.4 | 14.6 | 13.1 |
| | 80 | M | 0.71 | 93.3 | 70.0 | 46.7 | 35.0 | 28.0 | 23.3 | 20.0 | 17.5 | 15.6 | 14.0 |

| | Liquid Pressure PSI | Droplet Size ASABE | Nozzle Capacity GPM | GALLONS PER ACRE BASED ON 15" NOZZLE SPACING | | | | | | | | | |
|---|---|--------------------|---------------------|--|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| | | | | 3 MPH | 4 MPH | 6 MPH | 8 MPH | 10 MPH | 12 MPH | 14 MPH | 16 MPH | 18 MPH | 20 MPH |
|  | 20 | VC C | 0.39 | 51.3 | 38.5 | 25.7 | 19.3 | 15.4 | 12.8 | 11.0 | 9.6 | 8.6 | 7.7 |
| | 30 | VC C | 0.48 | 62.9 | 47.2 | 31.4 | 23.6 | 18.9 | 15.7 | 13.5 | 11.8 | 10.5 | 9.4 |
| | 40 | C | 0.55 | 72.6 | 54.5 | 36.3 | 27.2 | 21.8 | 18.2 | 15.6 | 13.6 | 12.1 | 10.9 |
| | 50 | C M | 0.61 | 81.2 | 60.9 | 40.6 | 30.4 | 24.4 | 20.3 | 17.4 | 15.2 | 13.5 | 12.2 |
| | 60 | M | 0.67 | 88.9 | 66.7 | 44.5 | 33.3 | 26.7 | 22.2 | 19.1 | 16.7 | 14.8 | 13.3 |
| | 70 | M | 0.73 | 96.0 | 72.0 | 48.0 | 36.0 | 28.8 | 24.0 | 20.6 | 18.0 | 16.0 | 14.4 |
| | 80 | M | 0.78 | 102.7 | 77.0 | 51.3 | 38.5 | 30.8 | 25.7 | 22.0 | 19.3 | 17.1 | 15.4 |
| | 90 | M F | 0.83 | 108.9 | 81.7 | 54.5 | 40.8 | 32.7 | 27.2 | 23.3 | 20.4 | 18.2 | 16.3 |
| |  | 20 | VC | 0.42 | 56.0 | 42.0 | 28.0 | 21.0 | 16.8 | 14.0 | 12.0 | 10.5 | 9.3 |
| 30 | | VC | 0.52 | 68.6 | 51.4 | 34.3 | 25.7 | 20.6 | 17.1 | 14.7 | 12.9 | 11.4 | 10.3 |
| 40 | | C | 0.60 | 79.2 | 59.4 | 39.6 | 29.7 | 23.8 | 19.8 | 17.0 | 14.9 | 13.2 | 11.9 |
| 50 | | C | 0.67 | 88.5 | 66.4 | 44.3 | 33.2 | 26.6 | 22.1 | 19.0 | 16.6 | 14.8 | 13.3 |
| 60 | | M | 0.73 | 97.0 | 72.7 | 48.5 | 36.4 | 29.1 | 24.2 | 20.8 | 18.2 | 16.2 | 14.5 |
| 70 | | M | 0.79 | 104.8 | 78.6 | 52.4 | 39.3 | 31.4 | 26.2 | 22.5 | 19.6 | 17.5 | 15.7 |
| 80 | | M | 0.85 | 112.0 | 84.0 | 56.0 | 42.0 | 33.6 | 28.0 | 24.0 | 21.0 | 18.7 | 16.8 |
| 90 | | M | 0.90 | 118.8 | 89.1 | 59.4 | 44.6 | 35.6 | 29.7 | 25.5 | 22.3 | 19.8 | 17.8 |
|  | | 20 | VC | 0.49 | 65.3 | 49.0 | 32.7 | 24.5 | 19.6 | 16.3 | 14.0 | 12.3 | 10.9 |
| | 30 | VC | 0.61 | 80.0 | 60.0 | 40.0 | 30.0 | 24.0 | 20.0 | 17.1 | 15.0 | 13.3 | 12.0 |
| | 40 | C | 0.70 | 92.4 | 69.3 | 46.2 | 34.7 | 27.7 | 23.1 | 19.8 | 17.3 | 15.4 | 13.9 |
| | 50 | C | 0.78 | 103.3 | 77.5 | 51.7 | 38.7 | 31.0 | 25.8 | 22.1 | 19.4 | 17.2 | 15.5 |
| | 60 | M | 0.86 | 113.2 | 84.9 | 56.6 | 42.4 | 33.9 | 28.3 | 24.2 | 21.2 | 18.9 | 17.0 |
| | 70 | M | 0.93 | 122.2 | 91.7 | 61.1 | 45.8 | 36.7 | 30.6 | 26.2 | 22.9 | 20.4 | 18.3 |
| | 80 | M | 0.99 | 130.7 | 98.0 | 65.3 | 49.0 | 39.2 | 32.7 | 28.0 | 24.5 | 21.8 | 19.6 |
| | 90 | M | 1.05 | 138.6 | 104.0 | 69.3 | 52.0 | 41.6 | 34.7 | 29.7 | 26.0 | 23.1 | 20.8 |
| |  | 20 | VC | 0.57 | 74.7 | 56.0 | 37.3 | 28.0 | 22.4 | 18.7 | 16.0 | 14.0 | 12.4 |
| 30 | | VC | 0.69 | 91.5 | 68.6 | 45.7 | 34.3 | 27.4 | 22.9 | 19.6 | 17.1 | 15.2 | 13.7 |
| 40 | | C | 0.80 | 105.6 | 79.2 | 52.8 | 39.6 | 31.7 | 26.4 | 22.6 | 19.8 | 17.6 | 15.8 |
| 50 | | C | 0.89 | 118.1 | 88.5 | 59.0 | 44.3 | 35.4 | 29.5 | 25.3 | 22.1 | 19.7 | 17.7 |
| 60 | | M | 0.98 | 129.3 | 97.0 | 64.7 | 48.5 | 38.8 | 32.3 | 27.7 | 24.2 | 21.6 | 19.4 |
| 70 | | M | 1.06 | 139.7 | 104.8 | 69.8 | 52.4 | 41.9 | 34.9 | 29.9 | 26.2 | 23.3 | 21.0 |
| 80 | | M | 1.13 | 149.3 | 112.0 | 74.7 | 56.0 | 44.8 | 37.3 | 32.0 | 28.0 | 24.9 | 22.4 |
| 90 | | M | 1.20 | 158.4 | 118.8 | 79.2 | 59.4 | 47.5 | 39.6 | 33.9 | 29.7 | 26.4 | 23.8 |
|  | | 20 | VC | 0.64 | 84.0 | 63.0 | 42.0 | 31.5 | 25.2 | 21.0 | 18.0 | 15.8 | 14.0 |
| | 30 | VC | 0.78 | 102.9 | 77.2 | 51.4 | 38.6 | 30.9 | 25.7 | 22.0 | 19.3 | 17.1 | 15.4 |
| | 40 | C | 0.90 | 118.8 | 89.1 | 59.4 | 44.6 | 35.6 | 29.7 | 25.5 | 22.3 | 19.8 | 17.8 |
| | 50 | C | 1.01 | 132.8 | 99.6 | 66.4 | 49.8 | 39.8 | 33.2 | 28.5 | 24.9 | 22.1 | 19.9 |
| | 60 | M | 1.10 | 145.5 | 109.1 | 72.7 | 54.6 | 43.6 | 36.4 | 31.2 | 27.3 | 24.2 | 21.8 |
| | 70 | M | 1.19 | 157.2 | 117.9 | 78.6 | 58.9 | 47.1 | 39.3 | 33.7 | 29.5 | 26.2 | 23.6 |
| | 80 | M | 1.27 | 168.0 | 126.0 | 84.0 | 63.0 | 50.4 | 42.0 | 36.0 | 31.5 | 28.0 | 25.2 |
| | 90 | M | 1.35 | 178.2 | 133.7 | 89.1 | 66.8 | 53.5 | 44.6 | 38.2 | 33.4 | 29.7 | 26.7 |
| |  | 20 | VC | 0.71 | 93.3 | 70.0 | 46.7 | 35.0 | 28.0 | 23.3 | 20.0 | 17.5 | 15.6 |
| 30 | | VC | 0.87 | 114.3 | 85.7 | 57.2 | 42.9 | 34.3 | 28.6 | 24.5 | 21.4 | 19.1 | 17.1 |
| 40 | | C | 1.00 | 132.0 | 99.0 | 66.0 | 49.5 | 39.6 | 33.0 | 28.3 | 24.8 | 22.0 | 19.8 |
| 50 | | C | 1.12 | 147.6 | 110.7 | 73.8 | 55.3 | 44.3 | 36.9 | 31.6 | 27.7 | 24.6 | 22.1 |
| 60 | | M | 1.22 | 161.7 | 121.2 | 80.8 | 60.6 | 48.5 | 40.4 | 34.6 | 30.3 | 26.9 | 24.2 |
| 70 | | M | 1.32 | 174.6 | 131.0 | 87.3 | 65.5 | 52.4 | 43.7 | 37.4 | 32.7 | 29.1 | 26.2 |
| 80 | | M | 1.41 | 186.7 | 140.0 | 93.3 | 70.0 | 56.0 | 46.7 | 40.0 | 35.0 | 31.1 | 28.0 |
| 90 | | M | 1.50 | 198.0 | 148.5 | 99.0 | 74.3 | 59.4 | 49.5 | 42.4 | 37.1 | 33.0 | 29.7 |
|  | | 20 | XC VC | 0.78 | 102.7 | 77.0 | 51.3 | 38.5 | 30.8 | 25.7 | 22.0 | 19.3 | 17.1 |
| | 30 | VC | 0.95 | 125.7 | 94.3 | 62.9 | 47.2 | 37.7 | 31.4 | 26.9 | 23.6 | 21.0 | 18.9 |
| | 40 | C | 1.10 | 145.2 | 108.9 | 72.6 | 54.5 | 43.6 | 36.3 | 31.1 | 27.2 | 24.2 | 21.8 |
| | 50 | C | 1.23 | 162.3 | 121.8 | 81.2 | 60.9 | 48.7 | 40.6 | 34.8 | 30.4 | 27.1 | 24.4 |
| | 60 | M | 1.35 | 177.8 | 133.4 | 88.9 | 66.7 | 53.3 | 44.5 | 38.1 | 33.3 | 29.6 | 26.7 |
| | 70 | M | 1.46 | 192.1 | 144.1 | 96.0 | 72.0 | 57.6 | 48.0 | 41.2 | 36.0 | 32.0 | 28.8 |
| | 80 | M | 1.56 | 205.3 | 154.0 | 102.7 | 77.0 | 61.6 | 51.3 | 44.0 | 38.5 | 34.2 | 30.8 |
| | 90 | M | 1.65 | 217.8 | 163.4 | 108.9 | 81.7 | 65.3 | 54.5 | 46.7 | 40.8 | 36.3 | 32.7 |
| |  | 20 | XC | 0.85 | 112.0 | 84.0 | 56.0 | 42.0 | 33.6 | 28.0 | 24.0 | 21.0 | 18.7 |
| 30 | | VC | 1.04 | 137.2 | 102.9 | 68.6 | 51.4 | 41.2 | 34.3 | 29.4 | 25.7 | 22.9 | 20.6 |
| 40 | | C | 1.20 | 158.4 | 118.8 | 79.2 | 59.4 | 47.5 | 39.6 | 33.9 | 29.7 | 26.4 | 23.8 |
| 50 | | C | 1.34 | 177.1 | 132.8 | 88.5 | 66.4 | 53.1 | 44.3 | 37.9 | 33.2 | 29.5 | 26.6 |
| 60 | | M | 1.47 | 194.0 | 145.5 | 97.0 | 72.7 | 58.2 | 48.5 | 41.6 | 36.4 | 32.3 | 29.1 |
| 70 | | M | 1.59 | 209.5 | 157.2 | 104.8 | 78.6 | 62.9 | 52.4 | 44.9 | 39.3 | 34.9 | 31.4 |
| 80 | | M | 1.70 | 224.0 | 168.0 | 112.0 | 84.0 | 67.2 | 56.0 | 48.0 | 42.0 | 37.3 | 33.6 |
| 90 | | M | 1.80 | 237.6 | 178.2 | 118.8 | 89.1 | 71.3 | 59.4 | 50.9 | 44.6 | 39.6 | 35.6 |