

# AQ - 20 LA

3/4" BSP/NPT Male Thread

The AQ 20LA medium flow metal sprinkler is ideal for a variety of under-tree irrigation applications, including bananas, vineyards, orchards, and other crops in windy areas. This sprinkler is engineered for longevity and high performance and its long-range flow makes it perfect for efficient watering in challenging conditions.



## HIGHLIGHTS

- Multifaceted low angle sprinklers
- 3/4" BSP/NPT male threaded connection
- **Durability:** bronze body and arm construction with heavy-duty brass nut and tube for added durability.
- Stainless steel pivot pin and springs
- Long-lasting bearing and sealing washers designed for extended operational life.
- **Uniform Water Distribution:** Up to 15m (50ft)

## TECHNICAL DATA

- Recommended Pressure 3.0 - 4.5 kg/cm<sup>2</sup> or 35 - 60Psi
- Recommended spacing up to 15m or 50ft for higher distribution uniformity.
- Trajectory Angle: 10°



## Performance Table ( AQ - 20LA )

| Nozzle Size       |                     | Pressure           |     | Coverage Diameter |      | Flow Rate |      |
|-------------------|---------------------|--------------------|-----|-------------------|------|-----------|------|
| mm                | inch                | kg/cm <sup>2</sup> | PSI | mtr               | ft   | LPH       | GPM  |
| 3.57<br>x<br>3.17 | 9/64"<br>x<br>1/8"  | 3                  | 43  | 26.2              | 85.9 | 1465      | 6.5  |
|                   |                     | 3.5                | 50  | 26.8              | 87.9 | 1570      | 6.9  |
|                   |                     | 4                  | 57  | 27.4              | 89.9 | 1690      | 7.4  |
|                   |                     | 4.5                | 64  | 28.0              | 91.8 | 1825      | 8.0  |
| 3.96<br>x<br>3.17 | 5/32"<br>x<br>1/8"  | 3                  | 43  | 26.6              | 87.2 | 1580      | 7.0  |
|                   |                     | 3.5                | 50  | 27.0              | 88.6 | 1710      | 7.5  |
|                   |                     | 4                  | 57  | 27.4              | 89.9 | 1870      | 8.2  |
|                   |                     | 4.5                | 64  | 28.0              | 91.8 | 1970      | 8.7  |
| 4.76<br>x<br>3.17 | 3/16"<br>x<br>1/8"  | 3                  | 43  | 27.2              | 89.2 | 2015      | 8.9  |
|                   |                     | 3.5                | 50  | 27.6              | 90.5 | 2210      | 9.7  |
|                   |                     | 4                  | 57  | 28.0              | 91.8 | 2345      | 10.3 |
|                   |                     | 4.5                | 64  | 28.4              | 93.2 | 2545      | 11.2 |
| 5.15<br>x<br>3.17 | 13/64"<br>x<br>1/8" | 3                  | 43  | 27.8              | 91.2 | 2220      | 9.8  |
|                   |                     | 3.5                | 50  | 28.0              | 91.8 | 2430      | 10.7 |
|                   |                     | 4                  | 57  | 28.2              | 92.5 | 2600      | 11.4 |
|                   |                     | 4.5                | 64  | 28.8              | 94.5 | 2790      | 12.3 |
| 5.55<br>x<br>3.17 | 7/32"<br>x<br>1/8"  | 3                  | 43  | 27.8              | 91.2 | 2490      | 11.0 |
|                   |                     | 3.5                | 50  | 28.2              | 92.5 | 2705      | 11.9 |
|                   |                     | 4                  | 57  | 28.4              | 93.2 | 2905      | 12.8 |
|                   |                     | 4.5                | 64  | 29.0              | 95.1 | 3070      | 13.5 |
| 5.95<br>x<br>3.17 | 15/64"<br>x<br>1/8" | 3                  | 43  | 27.8              | 91.2 | 2650      | 11.7 |
|                   |                     | 3.5                | 50  | 28.2              | 92.5 | 2950      | 13.0 |
|                   |                     | 4                  | 57  | 28.6              | 93.8 | 3140      | 13.8 |
|                   |                     | 4.5                | 64  | 29.4              | 96.4 | 3325      | 14.6 |

\*Performance is based on ideal conditions of Temperature, wind velocity and Humidity.

• Tested at 100cm (3ft.) height above the ground.

Nozzle Size: 4.76x3.17mm | Pressure: 4.0 kg/cm<sup>2</sup>

| Spacing (m)  | CU (%) | DU (%) | SC  | PR (mm/hr) |
|--------------|--------|--------|-----|------------|
| R9.0 x 9.0   | 94%    | 93%    | 1.1 | 29.0       |
| R10.0 x 10.0 | 96%    | 95%    | 1   | 23.5       |
| R11.0 x 11.0 | 95%    | 93%    | 1.1 | 19.4       |
| R12.0 x 12.0 | 93%    | 91%    | 1.1 | 16.3       |
| R13.0 x 13.0 | 94%    | 91%    | 1.1 | 13.9       |
| R14.0 x 14.0 | 94%    | 94%    | 1.1 | 12.0       |
| R15.0 x 15.0 | 93%    | 89%    | 1.1 | 10.4       |

