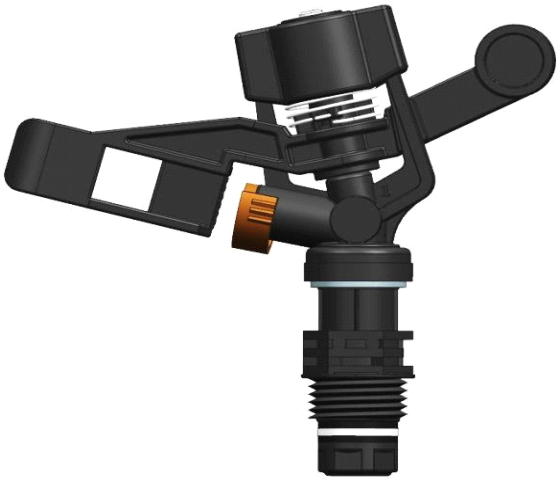
# AQ - 22LA

## ½” BSP/NPT Male Thread



The AQ-22LA Under Tree Sprinkler is a high-performance plastic sprinkler designed for precision irrigation in orchards, plantations, and other agricultural environments. Built with heavy-duty materials that resist corrosion and radiation, it delivers optimal water distribution, even at low pressure, ensuring efficiency in challenging settings such as banana plantations and vineyards. Its interchangeable nozzles offer flexible irrigation solutions with varying trajectory angles.

## HIGHLIGHTS

- **Durable Design:** Constructed from heavy -duty plastic for long-lasting use, resistant to both corrosion and UV radiation.
- **Stainless Steel Components:** Features a stainless steel pivot pin and springs for enhanced durability.
- **Easy Maintenance:** Color-coded bayonet nozzles allow for quick and simple service.
- **Adjustable Trajectory:** Three trajectory angles (9°, 12°, 14°) can be easily modified by swapping nozzles.
- **High Distribution Uniformity:** Recommended for spacing up to 10 meter (33 feet), ensuring even water distribution.

## TECHNICAL DATA

- Pressure Range: 1.5 - 4 kg/cm$^2$ (21 - 57 Psi)
- Flow Rate Range: 320 - 954 l/h (1.4 - 4.2 GPM)
- Coverage Diameter: 16 - 22.0 meters (54 - 72 feet)
- AQ - 22LA Trajectory Angle: 12°



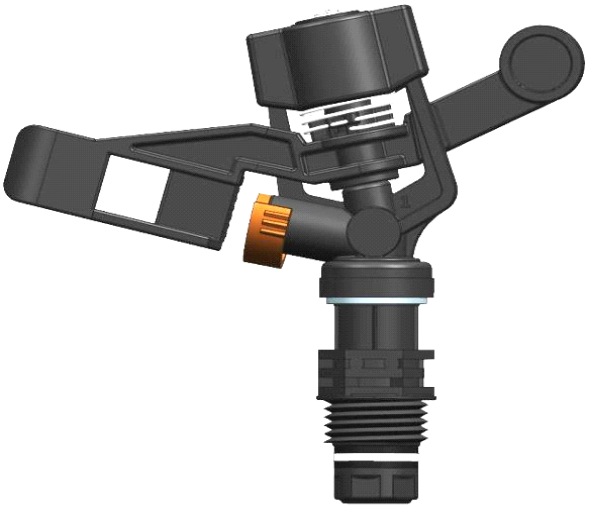
# Performance Table ( AQ-22LA )

| Nozzle Colour & Size | | Pressure | | Flow Rate | | Coverage Diameter | | | | | | MSH* (cm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 9° | | 12° | | 14° | | |
| mm | inch | kg/cm$^2$ | PSI | LPH | GPM | mtr | ft | mtr | ft | mtr | ft | |
| 2.5 Purple | 13/128" Purple | 1.5 | 21 | 320 | 1.4 | 16 | 52.5 | 16.5 | 54.1 | 17 | 55.8 | 70-90 |
| | | 2.0 | 28 | 366 | 1.6 | 16.5 | 54.1 | 17.5 | 57.4 | 18.0 | 59.1 | |
| | | 2.5 | 36 | 410 | 1.8 | 17.5 | 57.4 | 18.0 | 59.1 | 18.5 | 60.7 | |
| | | 3.0 | 43 | 450 | 2.0 | 18.0 | 59.1 | 18.5 | 60.7 | 19.0 | 62.3 | |
| | | 3.5 | 50 | 485 | 2.1 | 18.5 | 60.7 | 19.0 | 62.3 | 19.5 | 64.0 | |
| | | 4.0 | 57 | 516 | 2.3 | 19.0 | 62.3 | 20.0 | 65.6 | 20.5 | 67.3 | |
| 2.9 Orange | 7/64" Orange | 1.5 | 21 | 395 | 1.7 | 16.0 | 52.5 | 17.0 | 55.8 | 17.5 | 57.4 | 80-100 |
| | | 2.0 | 28 | 456 | 2.0 | 18.0 | 59.1 | 18.5 | 60.7 | 19.0 | 62.3 | |
| | | 2.5 | 36 | 510 | 2.2 | 18.5 | 60.7 | 19.0 | 62.3 | 19.5 | 64.0 | |
| | | 3.0 | 43 | 558 | 2.5 | 19.0 | 62.3 | 19.5 | 64.0 | 20.0 | 65.6 | |
| | | 3.5 | 50 | 605 | 2.7 | 19.5 | 64.0 | 20.0 | 65.6 | 20.5 | 67.3 | |
| | | 4.0 | 57 | 648 | 2.8 | 20.0 | 65.6 | 21.0 | 68.9 | 21.5 | 70.5 | |
| 3.2 Green | 1/8" Green | 1.5 | 21 | 500 | 2.2 | 16.5 | 54.1 | 17.5 | 57.4 | 18.0 | 59.1 | 90-110 |
| | | 2.0 | 28 | 579 | 2.5 | 18.0 | 59.1 | 19.0 | 62.3 | 19.5 | 64.0 | |
| | | 2.5 | 36 | 647 | 2.8 | 19.5 | 64.0 | 20.0 | 65.6 | 20.5 | 67.3 | |
| | | 3.0 | 43 | 693 | 3.0 | 20.0 | 65.6 | 20.5 | 67.3 | 21.0 | 68.9 | |
| | | 3.5 | 50 | 766 | 3.4 | 20.5 | 67.3 | 21.0 | 68.9 | 21.5 | 70.5 | |
| | | 4.0 | 57 | 798 | 3.5 | 21.0 | 68.9 | 21.5 | 70.5 | 22.0 | 72.2 | |
| 3.5 Blue | 9/64" Blue | 1.5 | 21 | 590 | 2.6 | 17.0 | 55.8 | 18.0 | 59.1 | 18.5 | 60.7 | 95-115 |
| | | 2.0 | 28 | 684 | 3.0 | 18.5 | 60.7 | 19.5 | 64.0 | 20.0 | 65.6 | |
| | | 2.5 | 36 | 765 | 3.4 | 19.5 | 64.0 | 20.5 | 67.3 | 20.5 | 67.3 | |
| | | 3.0 | 43 | 834 | 3.7 | 21.0 | 68.9 | 21.0 | 68.9 | 21.5 | 70.5 | |
| | | 3.5 | 50 | 905 | 4.0 | 21.0 | 68.9 | 21.5 | 70.5 | 22.0 | 72.2 | |
| | | 4.0 | 56.9 | 954 | 4.2 | 21.5 | 70.5 | 22.0 | 72.2 | 22.5 | 73.8 | |

- Performance is based on ideal conditions of temperature, wind velocity and humidity.
- Tested at 50cm (1.5 ft.) height above the ground.

*MSH-Max. stream height (from nozzle)

| Trajectory Angle | | |
|---|---|---|
|  |  |  |
| 9° | 12° | 14° |
| Fights wind drift and evaporation | Ideal for undertree irrigation | Ideal for undertree irrigation |



AQ-22LA



Creating a Green World®