AQ - 46

¾” BSP/NPT Male Thread

The AQ-46 sprinkler is a highly efficient irrigation solution designed to deliver optimal water distribution for agricultural fields, fruit farming, and vegetable farming. With a range spanning 12 to 18 meters, it performs well even in windy conditions, thanks to its smart design featuring a special arm that ensures maximum water coverage. Manufactured with high-impact, heavy-duty plastic materials its highly durable, resists corrosion for chemicals and UV radiation. Available in both part-circle and full-circle models, the AQ-46 is compatible with overhead irrigation systems.



HIGHLIGHTS

- **Versatile & Reliable Sprinklers:** Available with ¾" BSPT Male/Female threaded connection
- **Uniform Water Distribution:** Recommended spacing up to 18m (60ft.)
- Nozzles with integrated spreader screws
- Press fitted weight into arm for proper impact and balancing.
- **Convenient Maintenance:** Color-coded bayonet nozzles make maintenance easier.
- **Durability:** High impact heavy-duty plastic materials for resistance to corrosion and radiation.
- Brass threaded nozzle (AQ-46B) model also available

TECHNICAL DATA

- Pressure range : 2 - 4 kg/cm^2 (28 - 57 psi.).
- Flow rate range : 680 - 3070 l/h (3.0-13.5 gpm.).
- Diameter of coverage : 25.0 - 30.5 mtr. (82-100 ft.)
- Trajectory Angle: 23^0



Performance Table (AQ-46)

Nozzle Colour & Size		Pressure		Coverage Diameter		Flow Rate	
mm	inch	kg/cm²	PSI	mtr	ft	LPH	GPM
3.57 Blue x Plug	9/64" Blue x Plug	2	28	25.0	82.0	680	3.0
		2.5	36	25.5	83.7	770	3.4
		3	43	26.0	85.3	840	3.7
		3.5	50	26.5	86.9	910	4.0
		4	57	26.5	86.9	970	4.3
3.57 Blue x 2.38	9/64" Blue x 3/32"	2	28	25.0	82.0	990	4.4
		2.5	36	25.5	83.7	1100	4.8
		3	43	26.0	85.3	1215	5.3
		3.5	50	26.5	86.9	1310	5.8
		4	57	26.5	86.9	1400	6.2
3.96 Green x 2.38	5/32" Green x 3/32"	2	28	25.5	83.7	1150	5.1
		2.5	36	26.0	85.3	1285	5.7
		3	43	27.0	88.6	1410	6.2
		3.5	50	27.5	90.2	1525	6.7
		4	57	28.0	91.9	1625	7.1
4.36 Grey x 2.38	11/64" Grey x 3/32"	2	28	26.0	85.3	1330	5.8
		2.5	36	26.5	86.9	1485	6.5
		3	43	27.5	90.2	1630	7.2
		3.5	50	28.0	91.9	1760	7.7
		4	57	28.5	93.5	1880	8.3
4.76 Yellow x 3.17	3/16" Yellow x 1/8"	2	28	27.0	88.6	1760	7.7
		2.5	36	27.5	90.2	1970	8.7
		3	43	28.0	91.9	2150	9.5
		3.5	50	28.5	93.5	2330	10.2
		4	57	29.5	96.8	2490	10.9
5.15 Black x 3.17	13/64" Black x 1/8"	2	28	27.5	90.2	1940	8.5
		2.5	36	28.5	93.5	2170	9.5
		3	43	29.0	95.1	2375	10.4
		3.5	50	29.5	96.8	2570	11.3
		4	57	30.0	98.4	2745	12.1
5.55 Orange x 3.17	7/32" Orange x 1/8"	2	28	28.0	91.9	2170	9.5
		2.5	36	29.0	95.1	2425	10.7
		3	43	30.0	98.4	2650	11.7
		3.5	50	30.5	100.1	2875	12.6
		4	57	30.5	100.1	3075	13.5

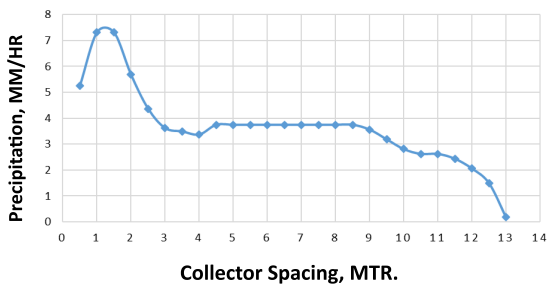
- Performance is based on ideal conditions of temperature, wind velocity and humidity.
- Tested at 100cm (3ft.) height above the ground.

Rear Nozzle :
2.38mm (3/32") - Yellow colour
3.17mm(1/8") - Black colour

Nozzle Size : 4.36x2.38mm | Pressure : 3.0 kg/cm²

Spacing (m)	CU	DU	SC	PR (mm/hr)
12x12	92%	85%	1.1	15
12x15	88%	84%	1.2	12
15x15	88%	79%	1.2	9.6
12x18	91%	86%	1.1	10
15x18	89%	80%	1.3	8
18x18	85%	79%	1.2	6.7

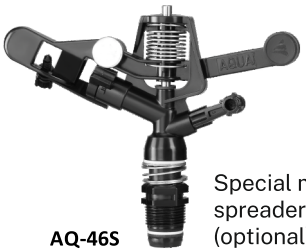
Distribution Curve





AQ-46B

Special model with Brass Nozzles



AQ-46S

Special model with spreader nozzle (optional)

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