

Tornado Ray Jet

Jet Stream Sprayer



JOHN DEERE
WATER



No moving parts to break, jam, or wear out. Introducing the Tornado Ray Jet stream sprayer, for more dependability in your orchard irrigation system. From young trees to established orchards, there's a Tornado Ray Jet that's right for you.

The Tornado Ray Jet stream sprayer uses a vortex nozzle which creates a turbulent water flow throughout the large water passage way. And with the turbulent flow and large water passage way, clogging hazards are minimized - even at low flow rates.

Tornado Ray Jet Specifications

Flow rates at 1.5 bar: 25, 34, 55, 70 lph

Recommended operating pressure:
1.5-3.0 bar

Wetting patterns: 180° (8 jet streams),
300° (10 jets), 360° (8 or 12 jets)

Assembly configurations:

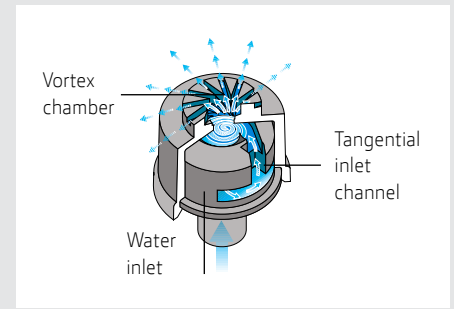
Tornado Ray Jet sprayer with 5 mm threaded inlet stem - fits the 4x7 mm feeder tube and the clip Hammer stake

Tornado Ray Jet sprayer with conic male inlet stem - matches John Deere Water's Meteor adapter (#71) with conic female outlet

Take-apart vortex nozzle, assembled with a ray jet grooved cap on John Deere Water's Meteor adapter (#46). Fits spiked stakes. The Meteor adapter is available with pressure-regulator.

Applications:

For undertree irrigation in fruit orchards



Tornado Ray Jet - Max. No. of Jet Sprayers on Irrigation Laterals*

Nozzle Color & Size (mm)	Flow Rate (lph)**	Wetting Diameter (m)***	Outside Diameter (mm)	Spacing between Sprayers (m)									
				2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5
Black 0.9													
	25	2.4	16.0	26	24	22	21	20	19	18	18	17	16
	25	2.4	17.8	32	29	27	26	24	23	22	22	21	20
	25	2.4	20.0	40	37	34	33	31	30	28	27	27	26
Blue 1.3													
	34	3.2	16.0	20	19	18	17	16	15	14	14	13	13
	34	3.2	17.8	25	23	21	20	19	18	18	17	16	16
	34	3.2	20.0	32	29	27	26	25	23	23	22	21	20
Green 1.7													
	55	3.6	16.0	15	14	13	12	12	11	11	10	10	10
	55	3.6	17.8	19	17	16	15	14	14	13	13	12	12
	55	3.6	20.0	24	22	21	19	18	18	17	16	16	15
Red 2.0													
	70	4.2	16.0	14	13	12	11	11	10	10	10	9	9
	70	4.2	17.8	18	16	15	14	13	13	12	12	11	11
	70	4.2	20.0	22	21	19	18	17	16	16	15	15	14

* At ± 5% flow variation

** Inlet pressure: 1.5 bar

*** Upright position, 25 cm above ground (360° - 12 jet streams)

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