

# Tornado Ray Jet

Turbulent flow jet stream sprayer



JOHN DEERE  
WATER



No moving parts to break, jam, or wear out. Introducing the Tornado Ray Jet stream sprayer, delivering 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.

Depend on Tornado Ray Jet.

# Specifications

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

Flow rates at 22 psi: 6.6,9,14.5,18.5 gph

Recommended operating pressure:  
29-43 PSI

Assembly configurations:

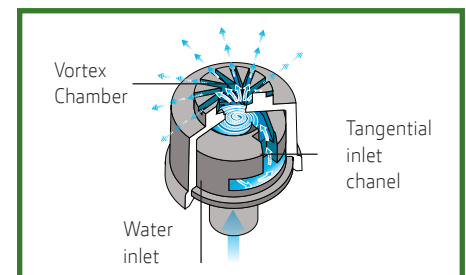
One-piece Tornado Ray Jet sprayer with  
5 mm (.20") threaded inlet stem - fits  
4x7 mm (.16" x .28") feeder tubes

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

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

Applications:

For undertree irrigation in fruit orchards



## Tornado Ray Jet - Performance Data

Color Code & Size (Inch)	Flow Rate (gph)**	Wetting Diameter (Ft)***	Pipe Diameter (O.D. Inch)	Max. No. of Jet Sprayers on Irrigation Laterals*									
				7	8	10	11	13	15	16	18	20	21
<b>Black 0.035</b>				26	24	22	21	20	19	18	18	17	16
	6.6	7.9	0.6	32	29	27	26	24	23	22	22	21	20
	6.6	7.9	0.7	40	37	34	33	31	30	28	27	27	26
	6.6	7.9	0.8										
<b>Blue 0.051</b>				20	19	18	17	16	15	14	14	13	13
	9.0	10.5	0.6	25	23	21	20	19	18	18	17	16	16
	9.0	10.5	0.7	32	29	27	26	25	23	23	22	21	20
	9.0	10.5	0.8										
<b>Green 0.067</b>				15	14	13	12	12	11	11	10	10	10
	14.5	11.8	0.6	19	17	16	15	14	14	13	13	12	12
	14.5	11.8	0.7	24	22	21	19	18	18	17	16	16	15
	14.5	11.8	0.8										
<b>Red 0.079</b>				14	13	12	11	11	10	10	10	9	9
	18.5	13.8	0.6	18	16	15	14	13	13	12	12	11	11
	18.5	13.8	0.7	22	21	19	18	17	16	16	15	15	14
	18.5	13.8	0.8										

\* At ± 5% flow variation

\*\* Inlet pressure: 21.8 PSI

\*\*\* Upright position, 10" above ground (360° - 12 jet streams)

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