



## Spray & Nozzle Troubleshooting Guide



**1**  
**Direction Adjustment**  
Twist stem to set left spray edge.



**2**  
**Pattern Adjustment**  
On Adjustable Pattern Nozzles only: turn dial on nozzle.



**3**  
**Distance Adjustment**  
Turn screw clockwise to reduce up to 25%.

Problem	Potential Issues	Potential Solution
Spray distance is too short	Nozzle or filter is clogged	Unscrew nozzle, remove filter, and rinse both out
	Spray is not level	Check that spray is not tilted down
	Nozzle is not appropriate for application	Replace nozzle with a larger radius nozzle
	Water pressure is too low	See distance chart below
	Insufficient water flow	Reduce number of sprays per zone (valve)
	Spray has settled down in ground	Try a longer throw nozzle or taller spray
	Distance is set too low	Turn the screw on the nozzle counter-clockwise
Leaks	Debris is stuck along stem & cap	Hold spray stem down for a minute while water is on to clear debris Turn water off and on a few times to clear debris
	Cap is loose	Tighten cap
	Nozzle is loose	Tighten so it is fully threaded onto stem
	Debris in water line	Remove nozzle & run water to flush out line
No water sprays out	Pattern is set to zero on adjustable nozzle	<b>2</b> Turn dial on nozzle
	Nozzle or filter is clogged	Unscrew nozzle, remove filter, and rinse both out If nozzle is adjustable, turn the dial to close and then open to clear debris
Water is misting	Nozzle or filter is clogged, limiting flow	Unscrew nozzle, remove filter, and rinse both out
	High water pressure	See distance chart below Replace with a spray that has a pressure regulator
Does not cover full pattern	Pattern is set too low on adjustable nozzle	<b>2</b> Turn dial on nozzle
	Watering direction not adjusted	<b>1</b> Rotate stem by hand while water is on to aim spray
	Nozzle or filter is clogged	Unscrew nozzle, remove filter, and rinse both out
	No head to head coverage	Change to a nozzle that throws far enough to provide head to head coverage
Stem gets stuck in up position	Debris is stuck along stem & cap	Hold spray down for a minute while water is on Untwist the cap and rinse off debris
Stem does not pop up all the way	Debris is stuck along stem & cap	Hold spray down for a minute while water is on to clear debris Untwist the cap and rinse off debris
	Insufficient water flow	Reduce # of sprays per zone
Spray distance is too long	Distance is set too high	<b>3</b> Turn the screw on the nozzle clockwise Replace nozzle with a shorter radius nozzle
Spray distance does not change when screw is turned	Rain Bird filter is not in place	Place filter that came with nozzle in place

**15' Nozzle**

Pressure (PSI)	Distance (Feet)
15	11
20	12
25	14
30	15

**12' Nozzle**

Pressure (PSI)	Distance (Feet)
15	9
20	10
25	11
30	12

**8' Nozzle**

Pressure (PSI)	Distance (Feet)
15	6
20	7
25	7
30	8

**4' Nozzle**

Pressure (PSI)	Distance (Feet)
15	3
20	3
25	4
30	4