

## How to Correct Underspray and Overspray

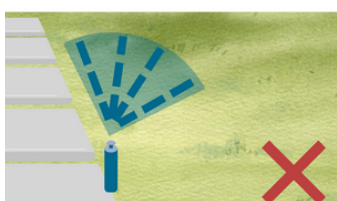
### What is underspray and overspray?

A sprinkler arc refers to the angle at which a sprinkler nozzle sprays water on the landscape. Adjusting sprinkler arcs to the contour of your landscape is important because sprinklers that are overspraying on their left or right arcs (or trip points) can cause runoff, leading to water waste on your landscape. Sprinklers that are underspraying along their left or right arcs (or trip points) can cause dry spots on your lawn. Use this guide to learn how to adjust the arc of different types of nozzles you might find on your landscape.

### How do I know if my nozzle needs to be adjusted?



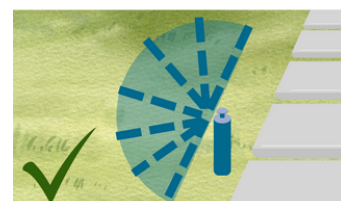
Reduce left side of spray arc and increase right side of spray arc to apply water to the target landscaped area.



Increase the right spray arc until positioned to apply water to the target landscaped area.



Reduce both the left and right spray arcs until they are positioned to apply water to the target landscaped area.





This sprinkler does not require adjustment because it is positioned to apply water to the target landscaped area.

### How do I adjust a sprinkler arc?

Different sprinkler nozzle arcs and trip points are adjusted differently. Take a look at our guide below to learn how to adjust the different sprinkler types found on your landscape.

**Locate your sprinkler manufacturer and nozzle type using the guide below. Then, read our guide below to learn how to fix it.**

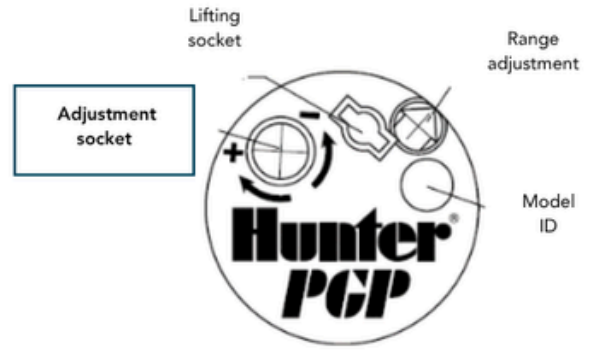
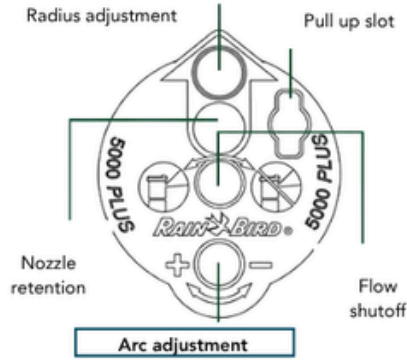
#### Multi-Stream Multi-Trajectory (MSMT) Nozzles

Manufacturer	Left Side of Arc	Right Side of Arc	Adjustment Tool
 <b>Rainbird MSMT</b>	While the water is running, firmly grasp the base of the riser and carefully turn it clockwise or counterclockwise until the desired left spray arc has been achieved.	While the water is running, use your fingers to push down on the nozzle and turn the cap clockwise to increase the arc or counterclockwise to decrease it.	None
 <b>Hunter MSMT</b>	While the water is running, firmly grasp the base of the riser and carefully turn it clockwise or counterclockwise until the desired left spray arc has been achieved.	While the water is running, place the circular part of the tool on top of the nozzle's arc adjustment ring and turn clockwise to increase the arc or counterclockwise to decrease it.	Hunter MP Rotator Adjustment Tool or small flathead screwdriver

## Rotors



**Rotors**



Manufacturer	Left Trip Point	Right Trip Point	Adjustment Tool(s)
<b>Rain Bird</b>	While the water is running, use channel lock pliers to firmly grasp the base of the riser. Then, turn it clockwise or counterclockwise to adjust the left trip point.	Insert tool into the arc adjustment slot and rotate until the desired trip point is achieved.	Rain Bird Rotor Tool or flathead screwdriver, channel lock pliers
<b>Hunter</b>	Insert the plastic end of the tool into the adjustment socket and turn counter-clockwise to decrease the trip point or clockwise to increase it.	While the water is running, use channel lock pliers to firmly grasp the base of the riser. Then, turn it clockwise or counterclockwise to adjust the right trip point.	Hunter adjustment wrench or Allen Key, channel lock pliers

## Variable Arc and Fixed Spray Nozzles

Manufacturer	Left Side of Arc	Right Side of Arc
 <b>Rainbird VAN</b>	While the water is running, firmly grasp the base of the riser with your hand and carefully turn it clockwise or counter clockwise until the desired left spray arc has been achieved.	Locate the adjustable collar near the top of the nozzle. While holding the riser steady, twist the collar clockwise to increase the arc or counterclockwise to decrease it.
 <b>Hunter Pro Fixed</b>	While the water is running, use your fingers to rotate the top of the nozzle clockwise or counter clockwise until the desired left spray arc has been achieved.	While the water is running, firmly grasp the base of the riser with your hands and carefully turn it clockwise or counter clockwise until the desired right spray arc has been achieved.
 <b>Fixed Spray</b>	Fixed spray nozzles are not adjustable. Twist off the existing nozzle and replace it with an appropriately arced nozzle. There are set patterns that vary from 90 up to 360 degrees.	Fixed spray nozzles are not adjustable. Twist off the existing nozzle and replace it with an appropriately arced nozzle. There are set patterns that vary from 90 up to 360 degrees.