

FACT REPORT

Expanded line now
includes
8' and 10'
Nozzles

Install Confidence.™
Install Rain Bird®
U-Series Nozzles.



RAIN BIRD®

970 West Sierra Madre Avenue
Azusa, CA 91702 U.S.A.

RAIN BIRD®

Plan to use 30% less water.*

You can confidently expect that when you install patented U-Series nozzles from Rain Bird® you will reduce watering run times which in turn conserves water and saves money. Water- and money-savings result from the most uniform water distribution available for spray heads. This is the only plastic nozzle with a **dual-orifice**** design that efficiently delivers superior close-in watering and even water distribution across the entire radius range.

- Water flowing from both orifices* eliminates gaps for more uniform coverage
- Matched precipitation rates across pattern and radii with U-Series, MPR and VAN nozzles provide flexibility in design and installation
- An easy, cost-effective retrofit solution to eliminate dry spots around the spray heads
- **New 8' and 10' (2,4 m 3,1 m) nozzles** in Q, T, H, and F patterns expand the U-Series product line that also includes 12' and 15' (3,4 m and 4,6 m) nozzles in standard patterns
- U-Series nozzles fit all Rain Bird spray heads and shrub adapters, and can be used with Rain Bird PCS screens

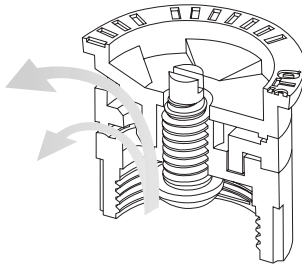
* When U-Series dual orifice nozzles are installed instead of standard nozzles on every spray head in the zone. Results may vary based on site-specific conditions such as sprinkler spacing, wind, temperature, soil and grass type.

** Not applicable for single orifice full-circle nozzles. These nozzles form larger water droplets with a lower trajectory, which resist wind and eliminate watering gaps for more uniform distribution.



Advanced nozzle technology assures superior water distribution.

Rain Bird® U-Series nozzles produce spray patterns from two orifices² to form a continuous water stream. The result is that gaps in coverage are eliminated so the entire watering area is more uniformly covered.



U-Series nozzles (right), with an additional orifice for close-in watering, minimize dry spots around the spray head for more uniform coverage throughout the entire watering area.

This example uses a 675 square foot (53 m²) turf grass area in Southern California.

The following example shows the time- and water-saving advantages of installing Rain Bird® U-Series nozzles instead of standard spray head nozzles.

Watering time needed with standard spray head nozzles ¹	52 minutes/week
Watering time needed with U-Series nozzles	36 minutes/week
Time Saved	16 minutes/week
<i>A 30% reduction in watering time!</i>	
Multiplied by: Spray zone flow	10.4 gpm
Multiplied by: Watering weeks/year	46
Gallons Saved Per Year	7,654

To calculate your own savings please visit www.rainbird.com/calculators/index.htm.

"We use the U-Series nozzles because of the close-in watering and great uniformity. We know in the long run they will save the client money."

Ed Palladino
HRP LANDESIGN
Santa Ana, California

Going head-to-head against the competition.

The benefit of Rain Bird® U-Series nozzles is clearly visible in side-by-side comparisons with standard, single-orifice spray nozzles. The second orifice on the U-Series allows for superior close-in watering.² With the efficiency of U-Series nozzles, you may reduce watering times by more than 30%.¹ Refer to the example on the left to see how. U-Series nozzles have the lowest scheduling coefficient available in a spray head nozzle.³

What is Scheduling Coefficient?

Scheduling Coefficient (SC) is a measure of irrigation uniformity developed for turf grass.⁴

- SC measures how much more you must water the **entire** area for the driest sections to receive sufficient water.
- **The lower the SC, the better the spray head nozzle distributes water.**



Patented U-Series

Water flowing from both orifices² results in a lower scheduling coefficient. This efficient design conserves water, saves money and reduces waste.



Competitor A



Competitor B

Competitor A and B nozzles fail to provide efficient close-in watering which results in a higher scheduling coefficient.

¹ Your results may vary based on site-specific conditions such as sprinkler spacing, wind, temperature, soil and grass type.

² Not applicable for single orifice full-circle nozzles. These nozzles form larger water droplets with a lower trajectory, which resist wind and eliminate watering gaps for more uniform distribution.

³ Based on tests conducted at Rain Bird's Product Research Center in Glendora, CA. Tests conducted on Rain Bird and principal competitors' part circle nozzles.

⁴ Certified Landscape Irrigation Auditor Manual, The Irrigation Association, August 2000.

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