The Intelligent Use of Water.™

Leadership • education • partnerships • products

At Rain Bird, we believe it is our responsibility to develop products and technologies that use water efficiently. Our commitment also extends to education, training and services for our industry and our communities.

The need to conserve water has never been greater. We want to do even more, and with your help, we can. Visit www.rainbird.com for more information about The Intelligent Use of Water.™

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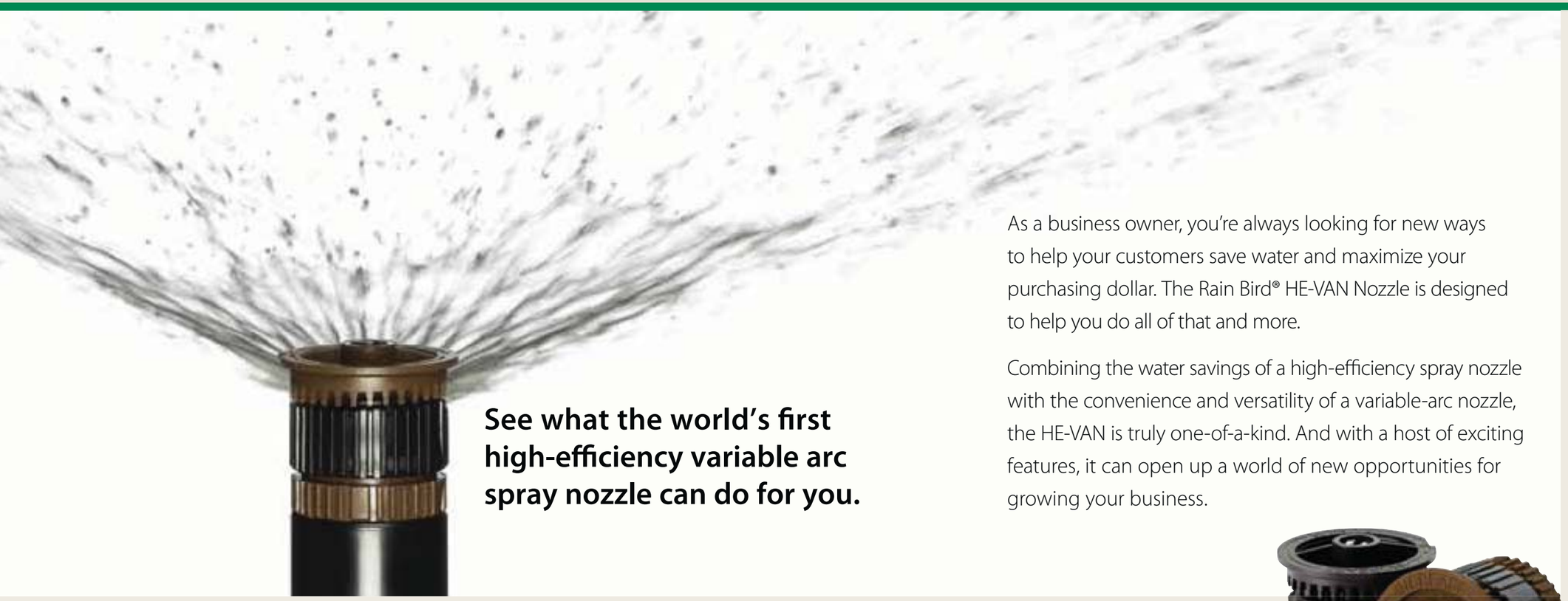
RAIN BIRD®

High-Efficiency Variable Arc Spray Nozzles (HE-VAN)

2011 IRRIGATION SHOW AWARD WINNER ***"Best New Product for Turf / Landscape"***

Adjust the way you see high efficiency.



See what the world's first high-efficiency variable arc spray nozzle can do for you.

As a business owner, you're always looking for new ways to help your customers save water and maximize your purchasing dollar. The Rain Bird® HE-VAN Nozzle is designed to help you do all of that and more.

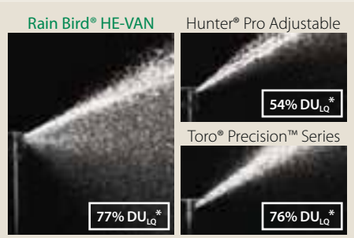
Combining the water savings of a high-efficiency spray nozzle with the convenience and versatility of a variable-arc nozzle, the HE-VAN is truly one-of-a-kind. And with a host of exciting features, it can open up a world of new opportunities for growing your business.

Available in popular 3.7m and 4.6m radii, HE-VAN Nozzles also offer matched precipitation with Rain Bird® MPR and U-Series Nozzles.

A HEALTHIER LANDSCAPE—FASTER.

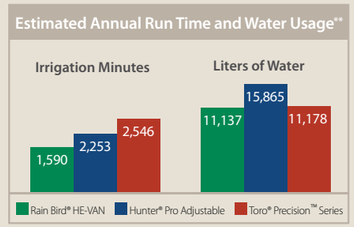
The true key to saving water isn't watering longer, it's watering smarter. With uniform coverage throughout the spray pattern, HE-VAN Nozzles can raise water efficiency and shorten your watering run times. The result is a beautiful, water-efficient landscape.

More Uniform Coverage



With patent pending Flow Control Technology, the HE-VAN delivers superior close-in watering and uniform coverage across the entire spray pattern. That's more than a 40% improvement in water efficiency over existing variable arc nozzles.

Shorter Run Times



When compared with competitive nozzles, HE-VANs dramatically reduce zone run times. In addition to water savings, your customers will conserve energy and reduce system wear and tear.

Superior Wind Resistance

In addition to a low-trajectory spray, HE-VANs produce large water droplets, offering greater wind resistance. That means you'll use less water—no matter the weather conditions.

Maximum Flexibility

With full adjustability from 0˚ to 360˚, you'll be able to efficiently water landscapes of all shapes, while saving time. Matched precipitation rates allow you to install Rain Bird® HE-VAN, MPR and U-Series Nozzles on the same zone.

Exclusive ExactEdge™ Adjustment

ExactEdge™ takes the guesswork out of arc adjustment. As you turn the nozzle to your desired arc setting, you'll feel it lock into place for a clean, consistent edge every time.

*Based on 2010 and 2011 grid distribution testing of the Rain Bird® HE-VAN-15, Hunter® 15-A and Toro® 0-15-H, conducted at the Center for Irrigation Technology (CIT). CIT is an independent testing laboratory, applied research facility, and educational resource center based at California State University, Fresno.

**Example for typical landscape using 4.6m spacing, clay soil, warm grass species, 25% shade and yearly plant water need of 81.8cm of water. Example based on published precipitation rates and distribution uniformity data based on grid distribution testing conducted at the Center for Irrigation Technology.

2011 IRRIGATION SHOW AWARD WINNER

"Best New Product for Turf / Landscape"

12 Series HE-VAN						Metric
Nozzle	Pressure (bar)	Radius (m)	Flow (m³/h)	Flow (l/m)	■ Precipitation Rate (mm/h)	▲ Precipitation Rate (mm/h)
360° Arc						
	1.0	2.7	0.38	6.33	50.5	58.3
	1.4	3.0	0.44	7.31	47.3	54.6
	1.7	3.4	0.44	8.18	43.7	50.4
	2.1	3.7	0.54	8.96	40.2	46.4
270° Arc						
	1.0	2.7	0.28	4.75	50.5	58.3
	1.4	3.0	0.33	5.48	47.3	54.6
	1.7	3.4	0.37	6.16	43.7	50.4
	2.1	3.7	0.40	6.72	40.2	46.4
180° Arc						
	1.0	2.7	0.19	3.17	50.5	58.3
	1.4	3.0	0.22	3.66	47.3	54.6
	1.7	3.4	0.25	4.09	43.7	50.4
	2.1	3.7	0.27	4.48	40.2	46.4
90° Arc						
	1.0	2.7	0.09	1.58	50.5	58.3
	1.4	3.0	0.11	1.83	47.3	54.6
	1.7	3.4	0.12	2.04	43.7	50.4
	2.1	3.7	0.13	2.24	40.2	46.4

15 Series HE-VAN						Metric
Nozzle	Pressure (bar)	Radius (m)	Flow (m³/h)	Flow (l/m)	■ Precipitation Rate (mm/h)	▲ Precipitation Rate (mm/h)
360° Arc						
	1.0	3.4	0.59	9.91	52.9	61.1
	1.4	3.7	0.69	11.44	51.3	59.3
	1.7	4.3	0.77	12.79	42.2	48.7
	2.1	4.6	0.84	14.01	40.2	46.5
270° Arc						
	1.0	3.4	0.45	7.43	52.9	61.1
	1.4	3.7	0.51	8.58	51.3	59.3
	1.7	4.3	0.58	9.59	42.2	48.7
	2.1	4.6	0.63	10.51	40.2	46.5
180° Arc						
	1.0	3.4	0.30	4.95	52.9	61.1
	1.4	3.7	0.34	5.72	51.3	59.3
	1.7	4.3	0.38	6.39	42.2	48.7
	2.1	4.6	0.42	7.00	40.2	46.5
90° Arc						
	1.0	3.4	0.15	2.48	52.9	61.1
	1.4	3.7	0.17	2.86	51.3	59.3
	1.7	4.3	0.19	3.20	42.2	48.7
	2.1	4.6	0.21	3.50	40.2	46.5