

# BOOMINATOR®

## ECO SERIES BOOMLESS SPRAY NOZZLES

**BOOMINATOR® ECO Series Nozzles** are designed and manufactured with the same precision as our stainless steel nozzles. These nozzles are designed specifically for the ATV, tow-behind and 3-point hitch sprayer market. They are manufactured of durable nylon and aluminum as a cost-effective, low-maintenance alternative to complete spray booms.

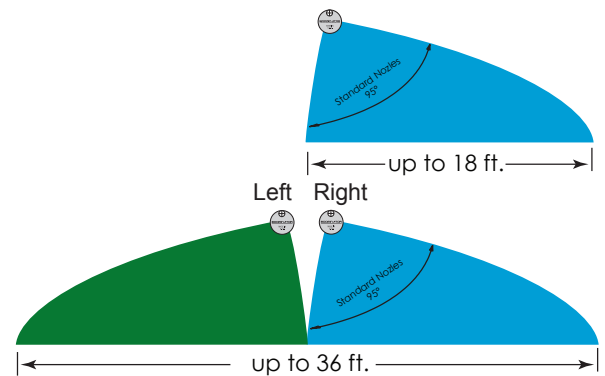
### Boomless Nozzle Benefits


- Produce a very even, large droplet pattern for minimal drift.
- Can easily spray around obstacles & over uneven terrain.
- Eliminate the cost of spray booms & boom maintenance.
- Have superior wear and chemical resistance.
- Designed to save time and money.

### Directional Spray Nozzles\*


These nozzles are designed for left-hand or right-hand mounting and provide a wide spray pattern with approximately 5° of kickback under the nozzle.

When using left-hand and right-hand nozzle together, adjust the nozzles to allow for enough kickback overlap between the nozzles to prevent streaking in spray coverage. Nozzles can be rotated to adjust distance of spray pattern outward or amount of kickback under the nozzle.




1200PSL (Left) 1200PSR (Right)				SPEED (MPH)						
				1	2	3	4	5	6	7
 1/4" MNPT	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE						
	20	1.0	14 ft.	35	18	12	9	7	6	5
	30	1.2	14 ft.	42	21	14	10	8	7	6
	40	1.4	14 ft.	49.5	25	16.5	12	10	8	7

1400PSL (Left) 1400PSR (Right)				SPEED (MPH)						
				1	2	3	4	5	6	7
 1/4" MNPT	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE						
	20	1.7	15 ft.	56	28	19	14	11	9	8
	30	2.0	15 ft.	66	33	22	16.5	13	11	9.5
	40	2.5	15 ft.	82.5	41	27.5	20.5	16.5	13.5	12

1870PSL (Left) 1870PSR (Right)				SPEED (MPH)						
				1	2	3	4	5	6	7
 1/4" MNPT	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE						
	20	3.0	18 ft.	82	41	28	21	17	14	12
	30	3.5	18 ft.	96	48	32	24	19	16	14
	40	4.3	18 ft.	118	59	39	30	24	20	17

**Boomless Spray Nozzles**  
Eco-Series - Regular and Full Pattern

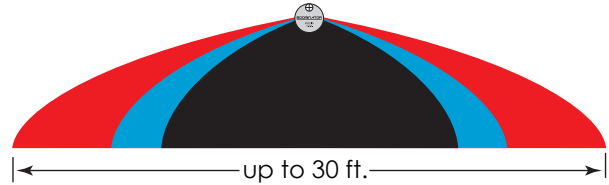
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## ECO SERIES BOOMLESS SPRAY NOZZLES

PL - Poly Long - 180°  
 PS - Poly Short - 140°  
 PSS - Poly Super Short - 120°

### Full Pattern Spray Nozzles\*

These nozzles are designed to provide a full left-hand to right-hand spray pattern from a single centrally mounted nozzle.



				SPEED (MPH)											
				1	2	3	4	5	6	7					
				GALLONS PER ACRE											
<b>1200PSS</b> FULL PATTERN  1/4" MNPT	PSI	GPM	SPRAY PATTERN												
				15	0.9	10 ft.	44.5	22	15	11	9	7.5	6		
	20	1	10 ft.	49.5	25	16.5	12	10	8	7					
	25	1.1	10 ft.	54.5	27	18	13.5	11	9	7.5					
<b>1200PS</b> FULL PATTERN  1/4" MNPT	PSI	GPM	SPRAY PATTERN												
				20	1.0	14 ft.	35	18	12	9	7	6	5		
	30	1.2	14 ft.	42	21	14	10	8	7	6					
	40	1.4	14 ft.	49.5	25	16.5	12	10	8	7					
<b>1400PS</b> FULL PATTERN  1/4" MNPT	PSI	GPM	SPRAY PATTERN												
				20	1.7	14 ft.	60	30	20	15	12	10	8.5		
	30	2.0	14 ft.	70	35	24	18	14	12	10					
	40	2.5	14 ft.	88	44	29	22	18	15	12.5					
<b>1400PL</b> FULL PATTERN  1/4" MNPT	PSI	GPM	SPRAY PATTERN												
				20	2.0	25 ft.	49.5	25	16.5	12	10	8	7		
	30	2.4	25 ft.	60	30	20	15	12	10	8.5					
	40	2.8	25 ft.	70	35	23	17	14	11.5	10					
<b>1870PL</b> FULL PATTERN  1/4" MNPT	PSI	GPM	SPRAY PATTERN												
				20	3.0	30 ft.	25	17	12	10	8	7	6	5.5	5
	30	3.5	30 ft.	29	19	14	12	10	8	7	6	5.5	5	4.5	4
	40	4.3	30 ft.	36	25	18	14	12	10	9	8	7	6.5	6	

### Nozzle Spray Coverage Calculations

Gallons per 1,000 sq. ft.

$$= \frac{\text{GPM} \times 136}{\text{MPH} \times \text{Spray width in inches}}$$

Gallons per Acre

$$= \frac{\text{GPM} \times 5940}{\text{MPH} \times \text{Spray width in inches}}$$



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