



Boominator Boomless Regular Pattern Spray Nozzles. All Regular Pattern Spray Nozzles were tested at a height of 36" (90 cm). Recommended operating height is between 18" (45 cm) and 48" (120 cm).

Model	PSI	LPM	Spray Pattern in Metres	Speed (Km/h)														
				2	3	5	6.5	8	9.5	11	13	14.5	16	18	19	21	22.5	24
1160 Right or Left 1/4" (6.35 mm) MNPT	20	3.8	5		145	93	75	56	47	42								
	30	4.5	5		173	117	84	70	56	51								
	40	5.3	5		201	136	103	79	65	56								
1250 Right or Left 1/4" (6.35 mm) MNPT	20	5.7	5	430	215	150	112	84	75	65								
	30	6.4	5	496	243	168	122	103	84	75								
	40	7.5	5	580	290	196	150	112	93	84								
1400 Right or Left 1/4" (6.35 mm) MNPT	20	6.4	5.2		234	159	112	93	75	65	56	51	47	42	37			
	30	7.5	5.2		280	178	140	112	93	75	65	61	56	47	42			
	40	9.5	5.2		337	224	168	140	112	93	84	75	65	61	56			
1870 Right or Left 1/4" (6.35 mm) MNPT	20	11.4	5.5		383	262	196	159	131	112	93	84	75	70	65			
	30	13.2	5.5		449	299	224	178	150	131	112	103	93	84	75			
	40	16.3	5.5		552	365	280	224	187	159	140	122	112	103	93			
2650 Right or Left 1/2" (13 mm) MNPT	20	25.4	6		776	514	383	309	262	224	196	168	150	140	131	122	112	103
	30	28.4	6		870	580	430	346	299	243	215	187	168	159	140	131	122	112
	40	32.2	6		982	654	486	393	327	280	243	215	196	178	159	150	140	131
3120 Right or Left 1/2" (13 mm) MNPT	20	27.2	6.4		795	524	393	318	262	224	196	178	159	140	131	122	112	103
	30	34.1	6.4		991	664	496	393	327	280	243	215	196	178	159	150	140	131
	40	40.1	6.4		1169	776	580	467	383	337	290	262	234	215	196	178	168	150
3750 Right or Left 1/2" (13 mm) MNPT	20	45.4	6.7		1262	841	631	505	421	360	318	280	252	229	210	196	178	168
	30	53	6.7		1468	982	739	589	491	421	365	327	295	271	243	224	210	196
	40	56.8	6.7		1580	1057	785	631	524	449	393	351	318	290	262	243	224	210
4370 Right or Left 1/2" (13 mm) MNPT	20	49.2	7		1309	870	654	524	439	374	327	290	262	234	215	206	187	178
	30	58.7	7		1561	1047	776	626	524	449	393	346	309	280	262	242	224	206
	40	66.2	7		1758	1178	879	701	589	505	439	393	355	318	290	271	252	234

Litres Per Hectare



Boominator Boomless Regular Pattern Spray Nozzles. All Regular Pattern Spray Nozzles were tested at a height of 36". (Recommended operating height is between 18" and 48".)

Model	PSI	GPM	Spray Pattern (Feet)	Speed (MPH)														
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1160 Right or Left 1/4" MNPT	20	1.0	16		15.5	10	8	6	5	4.5								
	30	1.2	16		18.5	12.5	9	7.5	6	5.5								
	40	1.4	16		21.5	14.5	11	8.5	7	6								
1250 Right or Left 1/4" MNPT	20	1.5	16	46	23	16	12	9	8	7								
	30	1.7	16	53	26	18	13	11	9	8								
	40	2.0	16	62	31	21	16	12	10	9								
1400 Right or Left 1/4" MNPT	20	1.7	17		25	17	12	10	8	7	6	5.5	5	4.5	4			
	30	2.0	17		30	19	15	12	10	8	7	6.5	6	5	4.5			
	40	2.5	17		36	24	18	15	12	10	9	8	7	6.5	6			
1870 Right or Left 1/4" MNPT	20	3.0	18		41	28	21	17	14	12	10	9	8	7.5	7			
	30	3.5	18		48	32	24	19	16	14	12	11	10	9	8			
	40	4.3	18		59	39	30	24	20	17	15	13	12	11	10			
2650 Right or Left 1/2" MNPT	20	6.7	20		83	55	41	33	28	24	21	18	16	15	14	13	12	11
	30	7.5	20		93	62	46	37	32	26	23	20	18	17	15	14	13	12
	40	8.5	20		105	70	52	42	35	30	26	23	21	19	17	16	15	14
3120 Right or Left 1/2" MNPT	20	7.2	21		85	56	42	34	28	24	21	19	17	15	14	13	12	11
	30	9.0	21		106	71	53	42	35	30	26	23	21	19	17	16	15	14
	40	10.6	21		125	83	62	50	41	36	31	28	25	23	21	19	18	16
3750 Right or Left 1/2" MNPT	20	12.0	22		135	90	67.5	54	45	38.5	34	30	27	24.5	22.5	21	19	18
	30	14.0	22		157	105	79	63	52.5	45	39	35	31.5	29	26	24	22.5	21
	40	15.0	22		169	113	84	67.5	56	48	42	37.5	34	31	28	26	24	22.5
4370 Right or Left 1/2" MNPT	20	13.0	23		140	93	70	56	47	40	35	31	28	25	23	22	20	19
	30	15.5	23		167	112	83	67	56	48	42	37	33	30	28	26	24	22
	40	17.5	23		188	126	94	75	63	54	47	42	38	34	31	29	27	25

Gallons Per Acre



Boominator Boomless Short Pattern Spray Nozzles. All Short Pattern Spray Nozzles were tested at a height of 18" (45 cm). Recommended operating height is between 12" (30 cm) and 36" (90 cm).

Model	PSI	LPM	Spray Pattern in Metres	Speed (Km/h)														
				2	3	5	6.5	8	9.5	11	13	14.5	16	18	19	21	22.5	24
1165 Right or Left 1/4" (6.35 mm) MNPT	20	3.8	1.5		463	309	229	187	154	131	112	103	93	84	75			
	30	4.5	1.5		556	369	280	220	187	159	140	122	112	103	93			
	40	5.3	1.5		650	430	323	257	215	187	159	145	131	117	108			
1253 Right or Left 1/4" (6.35 mm) MNPT	20	5.7	1		1159	776	580	467	383	327	290	262	234	215	196			
	30	6.4	1		1309	879	654	524	439	374	327	290	262	243	215			
	40	7.5	1		1543	1028	776	617	514	439	383	346	309	280	262			
1255 Right or Left 1/4" (6.35 mm) MNPT	20	5.7	1.5		692	467	346	280	234	196	178	159	140	131	112			
	30	6.4	1.5		785	524	393	318	262	224	196	178	159	140	131			
	40	7.5	1.5		926	617	467	374	309	262	234	206	187	168	159			
1404 Right or Left 1/4" (6.35 mm) MNPT	20	6.4	1.25		982	654	496	393	327	280	243	215	196	178	168			
	30	7.5	1.25		1159	776	580	467	383	327	290	262	234	215	196			
	40	9.5	1.25		1449	963	720	580	486	411	365	318	290	262	243			
1406 Right or Left 1/4" (6.35 mm) MNPT	20	6.4	1.75		654	439	327	262	215	187	168	150	131	122	112			
	30	7.5	1.75		776	514	383	309	262	224	196	168	159	140	131			
	40	9.5	1.75		963	645	486	383	318	280	243	215	196	178	159			
1876 Right or Left 1/4" (6.35 mm) MNPT	20	11.4	1.75		1159	776	580	467	383	327	290	262	234	215	196	178	168	159
	30	13.2	1.75		1346	898	673	542	449	383	337	299	271	243	224	206	196	178
	40	16.3	1.75		1655	1103	832	664	552	477	411	365	327	299	280	252	234	224
1871 Right or Left 1/4" (6.35 mm) MNPT	20	11.4	3		692	467	346	280	234	196	178	159	140	131	122	112	103	93
	30	13.2	3		813	542	402	327	271	234	206	178	159	150	140	122	112	103
	40	16.3	3		991	664	496	402	327	280	252	224	196	178	168	150	140	131
2651 Right or Left 1/2" (13 mm) MNPT	20	25.4	3		1552	1038	776	617	514	439	383	346	309	280	262	243	224	206
	30	28.4	3		1739	1159	870	692	580	496	430	383	346	318	290	271	252	234
	40	32.2	3		1963	1309	982	785	654	561	496	439	393	355	327	299	280	262
3121 Right or Left 1/2" (13 mm) MNPT	20	27.2	3		1664	1113	832	664	552	477	421	374	337	299	280	252	234	224
	30	34.1	3		2085	1393	1038	832	692	598	524	467	421	383	346	318	299	280
	40	40.1	3		2450	1636	1225	982	813	701	617	542	486	449	411	374	346	327

Litres Per Hectare



Boominator Boomless Short Pattern Spray Nozzles. All Short Pattern Spray Nozzles were tested at a height of 18". (Recommended operating height is between 12" and 36".)

Model	PSI	GPM	Spray Pattern (Feet)	Speed (MPH)														
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1165 Right or Left 1/4" MNPT	20	1.0	5		49.5	33	24.5	20	16.5	14	12	11	10	9	8			
	30	1.2	5		59.5	39.5	30	23.5	20	17	15	13	12	11	10			
	40	1.4	5		69.5	46	34.5	27.5	23	20	17	15.5	14	12.5	11.5			
1253 Right or Left 1/4" MNPT	20	1.5	3		124	83	62	50	41	35	31	28	25	23	21			
	30	1.7	3		140	94	70	56	47	40	35	31	28	26	23			
	40	2.0	3		165	110	83	66	55	47	41	37	33	30	28			
1255 Right or Left 1/4" MNPT	20	1.5	5		74	50	37	30	25	21	19	17	15	14	12			
	30	1.7	5		84	56	42	34	28	24	21	19	17	15	14			
	40	2.0	5		99	66	50	40	33	28	25	22	20	18	17			
1404 Right or Left 1/4" MNPT	20	1.7	4		105	70	53	42	35	30	26	23	21	19	18			
	30	2.0	4		124	83	62	50	41	35	31	28	25	23	21			
	40	2.5	4		155	103	77	62	52	44	39	34	31	28	26			
1406 Right or Left 1/4" MNPT	20	1.7	6		70	47	35	28	23	20	18	16	14	13	12			
	30	2.0	6		83	55	41	33	28	24	21	18	17	15	14			
	40	2.5	6		103	69	52	41	34	30	26	23	21	19	17			
1876 Right or Left 1/4" MNPT	20	3.0	6		124	83	62	50	41	35	31	28	25	23	21	19	18	17
	30	3.5	6		144	96	72	58	48	41	36	32	29	26	24	22	21	19
	40	4.3	6		177	118	89	71	59	51	44	39	35	32	30	27	25	24
1871 Right or Left 1/4" MNPT	20	3.0	10		74	50	37	30	25	21	19	17	15	14	13	12	11	10
	30	3.5	10		87	58	43	35	29	25	22	19	17	16	15	13	12	11
	40	4.3	10		106	71	53	43	35	30	27	24	21	19	18	16	15	14
2651 Right or Left 1/2" MNPT	20	6.7	10		166	111	83	66	55	47	41	37	33	30	28	26	24	22
	30	7.5	10		186	124	93	74	62	53	46	41	37	34	31	29	27	25
	40	8.5	10		210	140	105	84	70	60	53	47	42	38	35	32	30	28
3121 Right or Left 1/2" MNPT	20	7.2	10		178	119	89	71	59	51	45	40	36	32	30	27	25	24
	30	9.0	10		223	149	111	89	74	64	56	50	45	41	37	34	32	30
	40	10.6	10		262	175	131	105	87	75	66	58	52	48	44	40	37	35

Gallons Per Acre



Boominator Boomless Eco Series Right and Left Spray Nozzles. All Eco Series Right and Left Spray Nozzles were tested at a height of 36" (90 cm). Recommended operating height is between 16" (40 cm) and 48" (120 cm).

Model	PSI	LPM	Spray Pattern (Metres)	Speed (Km/h)							Litres Per Hectare
				2	3	5	6.5	8	9.5	11	
1200PSL Left Only 1/4" (6.35 mm) MNPT	20	3.7	4	327	168	112	84	65	56	47	
	30	4.5	4	393	196	131	93	75	65	56	
	40	5.3	4	463	234	154	112	93	75	65	
1200PSR Right Only 1/4" (6.35 mm) MNPT	20	3.7	4	327	168	112	84	65	56	47	
	30	4.5	4	393	196	131	93	75	65	56	
	40	5.3	4	463	234	154	112	93	75	65	
1400PSL Left Only 1/4" (6.35 mm) MNPT	20	6.5	4.5	524	262	178	131	103	84	75	
	30	7.5	4.5	617	309	206	154	122	103	89	
	40	9.5	4.5	771	383	257	192	154	126	112	
1400PSR Right Only 1/4" (6.35 mm) MNPT	20	6.5	4.5	524	262	178	131	103	84	75	
	30	7.5	4.5	617	309	206	154	122	103	89	
	40	9.5	4.5	771	383	257	192	154	126	112	



Boominator Boomless Eco Series Right and Left Spray Nozzles. All Eco Series Right and Left Spray Nozzles were tested at a height of 36". (Recommended operating height is between 16" and 48".)

Model	PSI	GPM	Spray Pattern (Feet)	Speed (MPH)							Gallons Per Acre
				1	2	3	4	5	6	7	
1200PSL Left Only 1/4" MNPT	20	1.0	14	35	18	12	9	7	6	5	
	30	1.2	14	42	21	14	10	8	7	6	
	40	1.4	14	49.5	25	16.5	12	10	8	7	
1200PSR Right Only 1/4" MNPT	20	1.0	14	35	18	12	9	7	6	5	
	30	1.2	14	42	21	14	10	8	7	6	
	40	1.4	14	49.5	25	16.5	12	10	8	7	
1400PSL Left Only 1/4" MNPT	20	1.7	15	56	28	19	14	11	9	8	
	30	2.0	15	66	33	22	16.5	13	11	9.5	
	40	2.5	15	82.5	41	27.5	20.5	16.5	13.5	12	
1400PSR Right Only 1/4" MNPT	20	1.7	15	56	28	19	14	11	9	8	
	30	2.0	15	66	33	22	16.5	13	11	9.5	
	40	2.5	15	82.5	41	27.5	20.5	16.5	13.5	12	



Boominator Boomless Full Pattern Eco Series Spray Nozzles. All Full Pattern Eco Series Spray Nozzles were tested at a height of 36" (90 cm). Recommended operating height is between 16" (40 cm) and 48" (120 cm).

Model	PSI	LPM	Spray Distance (Metres)	Speed (Km/h)												Litres Per Hectare
				2	3	5	6.5	8	9.5	11	13	14.5	16	18	19	
1200PSS 1/4" (6.35 mm) MNPT	15	3.5	3	416	206	140	103	84	70	56						
	20	3.7	3	463	234	154	112	93	75	65						
	25	4.1	3	510	252	168	126	103	84	70						
1200PS 1/4" (6.35 mm) MNPT	20	3.7	4.5	327	168	112	84	65	56	47						
	30	4.5	4.5	393	196	131	93	75	65	56						
	40	5.3	4.5	463	234	154	112	93	75	65						
1400PS 1/4" (6.35 mm) MNPT	20	6.4	4.5	561	280	187	140	112	93	79						
	30	7.5	4.5	654	327	224	168	131	112	93						
	40	9.5	4.5	823	411	271	206	168	140	117						
1400PL 1/4" (6.35 mm) MNPT	20	7.5	7.5	463	234	154	112	93	75	65						
	30	9.0	7.5	561	280	187	140	112	93	79						
	40	10.6	7.5	654	327	215	159	131	108	93						
1870PL 1/4" (6.35 mm) MNPT	20	11.3	9		234	159	112	93	75	65	56	51	47	42	37	
	30	13.2	9		271	178	131	112	93	75	65	56	51	47	42	
	40	16.3	9		337	234	168	131	112	93	84	75	65	61	56	



Boominator Boomless Full Pattern Eco Series Spray Nozzles. All Full Pattern Eco Series Spray Nozzles were tested at a height of 36". (Recommended operating height is between 16" and 48".)

Model	PSI	GPM	Spray Distance (Feet)	Speed (MPH)												Gallons Per Acre
				1	2	3	4	5	6	7	8	9	10	11	12	
1200PSS 1/4" MNPT	15	.09	10	44.5	22	15	11	9	7.5	6						
	20	1.0	10	49.5	25	16.5	12	10	8	7						
	25	1.1	10	54.5	27	18	13.5	11	9	7.5						
1200PS 1/4" MNPT	20	1.0	14	35	18	12	9	7	6	5						
	30	1.2	14	42	21	14	10	8	7	6						
	40	1.4	14	49.5	25	16.5	12	10	8	7						
1400PS 1/4" MNPT	20	1.7	14	60	30	20	15	12	10	8.5						
	30	2.0	14	70	35	24	18	14	12	10						
	40	2.5	14	88	44	29	22	18	15	12.5						
1400PL 1/4" MNPT	20	2.0	25	49.5	25	16.5	12	10	8	7						
	30	2.4	25	60	30	20	15	12	10	8.5						
	40	2.8	25	70	35	23	17	14	11.5	10						
1870PL 1/4" MNPT	20	3.0	30		25	17	12	10	8	7	6	5.5	5	4.5	4	
	30	3.5	30		29	19	14	12	10	8	7	6	5.5	5	4.5	
	40	4.3	30		36	25	18	14	12	10	9	8	7	6.5	6	



Boominator Boomless Full Pattern Spray Nozzles. All Full Pattern Spray Nozzles were tested at a height of 36" (90 cm). Recommended operating height is between 18" (45 cm) and 48" (120 cm).

Model	PSI	LPM	Spray Pattern in Metres	Speed (Km/h)														
				2	3	5	6.5	8	9.5	11	13	14.5	16	18	19	21	22.5	24
1250FS 1/4" (6.35 mm) MNPT	20	5.7	5	430	215	150	112	75	70	61								
	30	6.4	5	496	243	168	122	103	84	75								
	40	7.5	5	580	290	196	150	112	93	84								
1400FS 1/4" (6.35 mm) MNPT	20	6.4	5.2		234	159	112	93	75	65	56	51	47	42	37			
	30	7.5	5.2		271	178	140	112	93	75	65	61	56	47	42			
	40	9.5	5.2		337	224	168	140	112	93	84	75	65	61	56			
1400FM 1/4" (6.35 mm) MNPT	20	6.4	6.7		178	122	93	75	56	51	47	42	37	33	28			
	30	7.5	6.7		215	140	103	84	75	56	51	47	42	37	33			
	40	9.5	6.7		262	178	131	103	84	75	65	56	51	47	42			
1870FS 1/4" (6.35 mm) MNPT	20	11.4	5.5		383	262	196	159	131	112	93	84	75	70	65			
	30	13.2	5.5		449	299	224	178	150	131	112	103	93	84	75			
	40	16.3	5.5		552	365	280	224	187	159	140	122	112	103	93			
1870FM 1/4" (6.35 mm) MNPT	20	11.4	7		299	206	150	122	93	84	75	65	61	56	47			
	30	13.2	7		355	234	178	140	122	103	84	75	70	65	56			
	40	16.3	7		430	290	215	178	140	122	112	93	84	75	70			
1870FL 1/4" (6.35 mm) MNPT	20	11.4	9		234	159	112	93	75	65	56	51	47	42	37			
	30	13.2	9		271	178	131	112	93	75	65	56	51	47	42			
	40	16.3	9		337	234	168	131	112	93	84	75	65	61	56			
2650FS 1/2" (13 mm) MNPT	20	25.4	5		972	645	486	383	323	280	243	215	196	178	159	150	140	131
	30	30.3	5		1159	771	580	467	383	327	290	257	234	210	196	178	168	154
	40	37.8	5		1449	963	720	580	482	411	365	318	290	262	243	224	206	196
2650FM 1/2" (13 mm) MNPT	20	25.4	7		673	449	337	271	224	192	168	150	131	122	112	103	93	89
	30	30.3	7		804	533	402	318	271	229	201	178	159	150	131	122	112	108
	40	37.8	7		1010	673	505	402	337	290	252	224	201	182	168	154	140	131
2650FL 1/2" (13 mm) MNPT	20	25.4	11.5		407	271	206	164	136	117	103	93	84	75	65	61	56	51
	30	30.3	11.5		486	327	243	196	159	140	122	108	98	89	84	75	70	65
	40	37.8	11.5		608	402	304	243	206	173	150	136	122	112	103	93	89	79

Litres Per Hectare

Model	PSI	LPM	Spray Pattern in Metres	Speed (Km/h)														
				2	3	5	6.5	8	9.5	11	13	14.5	16	18	19	21	22.5	24
3120FS 1/2" (13 mm) MNPT	20	42.8	7		1141	757	570	458	374	346	280	252	224	206	187	178	159	150
	30	49.2	7		1309	870	655	524	439	402	327	290	262	234	215	196	187	178
	40	56.8	7		1505	1010	757	608	505	467	383	337	299	271	252	234	215	206
3120FM 1/2" (13 mm) MNPT	20	42.8	8		972	645	486	383	327	280	243	215	196	178	159	150	140	131
	30	49.2	8		1113	739	561	449	374	318	280	243	224	206	187	168	159	150
	40	56.8	8		1290	860	645	514	430	365	318	280	262	234	215	196	187	168
3120FL 1/2" (13 mm) MNPT	20	42.8	12		654	439	327	262	215	187	164	145	131	122	108	103	93	84
	30	49.2	12		748	505	374	299	252	215	187	168	150	136	126	112	108	98
	40	56.8	12		870	580	435	346	290	248	215	192	173	159	145	131	122	112
3750FM 1/2" (13 mm) MNPT	20	52.2	9		1066	711	533	430	355	309	262	234	215	196	178	168	150	140
	30	62.1	9		1262	841	636	505	421	365	318	280	252	234	215	196	178	168
	40	68.1	9		1393	926	692	552	467	393	346	309	280	252	234	215	196	187
3750FL 1/2" (13 mm) MNPT	20	52.2	12		795	533	402	318	262	224	196	178	159	150	131	122	112	103
	30	62.1	12		944	636	477	383	318	271	234	215	187	168	159	150	131	122
	40	68.1	12		1038	692	524	421	346	299	262	234	215	187	168	159	150	140
4370FL 1/2" (13 mm) MNPT	20	61.7	13.5		860	570	430	346	290	243	215	187	168	159	140	131	122	112
	30	75.7	13.5		1057	701	524	421	355	299	262	234	215	187	178	159	150	140
	40	90.8	13.5		1262	841	636	505	421	365	318	280	252	234	215	196	178	168
Litres Per Hectare																		



Boominator Boomless Full Pattern Spray Nozzles. All Full Pattern Spray Nozzles were tested at a height of 36".
(Recommended operating height is between 18" and 48".)

Model	PSI	GPM	Spray Pattern (Feet)	Speed (MPH)														
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1250FS 1/4" MNPT	20	1.5	16	46	23	16	12	8	7.5	6.5								
	30	1.7	16	53	26	18	13	11	9	8								
	40	2.0	16	62	31	21	16	12	10	9								
1400FS 1/4" MNPT	20	1.7	17		25	17	12	10	8	7	6	5.5	5	4.5	4			
	30	2.0	17		29	19	15	12	10	8	7	6.5	6	5	4.5			
	40	2.5	17		36	24	18	15	12	10	9	8	7	6.5	6			
1400FM 1/4" MNPT	20	1.7	22		19	13	10	8	6	5.5	5	4.5	4	3.5	3			
	30	2.0	22		23	15	11	9	8	6	5.5	5	4.5	4	3.5			
	40	2.5	22		28	19	14	11	9	8	7	6	5.5	5	4.5			
1870FS 1/4" MNPT	20	3.0	18		41	28	21	17	14	12	10	9	8	7.5	7			
	30	3.5	18		48	32	24	19	16	14	12	11	10	9	8			
	40	4.3	18		59	39	30	24	20	17	15	13	12	11	10			
1870FM 1/4" MNPT	20	3.0	23		32	22	16	13	10	9	8	7	6.5	6	5			
	30	3.5	23		38	25	19	15	13	11	9	8	7.5	7	6			
	40	4.3	23		46	31	23	19	15	13	12	10	9	8	7.5			
1870FL 1/4" MNPT	20	3.0	30		25	17	12	10	8	7	6	5.5	5	4.5	4			
	30	3.5	30		29	19	14	12	10	8	7	6	5.5	5	4.5			
	40	4.3	30		36	25	18	14	12	10	9	8	7	6.5	6			
2650FS 1/2" MNPT	20	6.7	16		104	69	52	41	34.5	30	26	23	21	19	17	16	15	14
	30	8.0	16		124	82.5	62	50	41	35	31	27.5	25	22.5	21	19	18	16.5
	40	10.0	16		155	103	77	62	51.5	44	39	34	31	28	26	24	22	21
2650FM 1/2" MNPT	20	6.7	23		72	48	36	29	24	20.5	18	16	14	13	12	11	10	9.5
	30	8.0	23		86	57	43	34	29	24.5	21.5	19	17	16	14	13	12	11.5
	40	10.0	23		108	72	54	43	36	31	27	24	21.5	19.5	18	16.5	15	14
2650FL 1/2" MNPT	20	6.7	38		43.5	29	22	17.5	14.5	12.5	11	10	9	8	7	6.5	6	5.5
	30	8.0	38		52	35	26	21	17	15	13	11.5	10.5	9.5	9	8	7.5	7
	40	10.0	38		65	43	32.5	26	22	18.5	16	14.5	13	12	11	10	9.5	8.5

Gallons Per Acre

Model	PSI	GPM	Spray Pattern (Feet)	Speed (MPH)														
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
3120FS 1/2" MNPT	20	11.3	23		122	81	61	49	40	37	30	27	24	22	20	19	17	16
	30	13.0	23		140	93	70	56	47	43	35	31	28	25	23	21	20	19
	40	15.0	23		161	108	81	65	54	50	41	36	32	29	27	25	23	22
3120FM 1/2" MNPT	20	11.3	27		104	69	52	41	35	30	26	23	21	19	17	16	15	14
	30	13.0	27		119	79	60	48	40	34	30	26	24	22	20	18	17	16
	40	15.0	27		138	92	69	55	46	39	34	30	28	25	23	21	20	18
3120FL 1/2" MNPT	20	11.3	40		70	47	35	28	23	20	17.5	15.5	14	13	11.5	11	10	9
	30	13.0	40		80	54	40	32	27	23	20	18	16	14.5	13.5	12	11.5	10.5
	40	15.0	40		93	62	46.5	37	31	26.5	23	20.5	18.5	17	15.5	14	13	12
3750FM 1/2" MNPT	20	13.8	30		114	76	57	46	38	33	28	25	23	21	19	18	16	15
	30	16.4	30		135	90	68	54	45	39	34	30	27	25	23	21	19	18
	40	18.0	30		149	99	74	59	50	42	37	33	30	27	25	23	21	20
3750FL 1/2" MNPT	20	13.8	40		85	57	43	34	28	24	21	19	17	16	14	13	12	11
	30	16.4	40		101	68	51	41	34	29	25	23	20	18	17	16	14	13
	40	18.0	40		111	74	56	45	37	32	28	25	23	20	18	17	16	15
4370FL 1/2" MNPT	20	16.3	44		92	61	46	37	31	26	23	20	18	17	15	14	13	12
	30	20.0	44		113	75	56	45	38	32	28	25	23	20	19	17	16	15
	40	24	44		135	90	68	54	45	39	34	30	27	25	23	21	19	18
Gallons Per Acre																		



Boominator Boomless Roadside Spray Nozzles. All Roadside Spray Nozzles were tested at a height of 36" (90 cm). Recommended operating height is between 18" (45 cm) and 48" (120 cm).

Model	PSI	LPM	Spray Pattern in Metres	Speed (Km/h)														
				2	3	5	6.5	8	9.5	11	13	14.5	16	18	19	21	22.5	24
1250RS Right Only 1/4" (6.35 mm) MNPT	20	5.7	5	430	215	150	112	84	75	65								
	30	6.4	5	496	243	168	122	103	84	75								
	40	7.5	5	580	290	196	150	112	93	84								
1400RS Right Only 1/4" (6.35 mm) MNPT	20	6.4	5.2		234	159	112	93	75	65	56	51	47	42	37			
	30	7.5	5.2		280	178	140	112	93	75	65	61	56	47	42			
	40	9.5	5.2		337	224	168	140	112	93	84	75	65	61	56			
1870RS Right Only 1/4" (6.35 mm) MNPT	20	11.3	5.5		383	262	196	159	131	112	93	84	75	70	65			
	30	13.2	5.5		449	299	224	178	150	131	112	103	93	84	75			
	40	16.3	5.5		552	365	280	224	187	159	140	122	112	103	93			
2650RS Right Only 1/2" (13 mm) MNPT	20	25.3	6		776	514	383	309	262	224	196	168	150	140	131	122	112	103
	30	28.4	6		870	580	430	346	299	243	215	187	168	159	140	131	122	112
	40	32.2	6		982	654	486	393	327	280	243	215	196	178	159	150	140	131
3120RS Right Only 1/2" (13 mm) MNPT	20	27.2	6.4		795	524	393	318	262	224	196	178	159	140	131	122	112	103
	30	34.1	6.4		991	664	496	393	327	280	243	215	196	178	159	150	140	131
	40	40.1	6.4		1169	776	580	467	383	337	290	262	234	215	196	178	168	150
3750RS Right Only 1/2" (13 mm) MNPT	20	45.5	6.7		1262	841	631	505	421	360	318	280	252	229	210	196	178	168
	30	53	6.7		1468	982	739	589	491	421	365	327	295	271	243	224	210	196
	40	56.8	6.7		1580	1057	785	631	524	449	393	351	318	290	262	243	224	210
4370RS Right Only 1/2" (13 mm) MNPT	20	49.2	7		1309	870	654	524	439	374	327	290	262	234	215	206	187	178
	30	58.7	7		1561	1047	776	626	524	449	393	346	309	280	262	243	224	206
	40	66.2	7		1758	1178	879	701	589	505	439	393	355	318	290	271	252	234

Litres Per Hectare



Boominator Boomless Roadside Spray Nozzles. All Roadside Spray Nozzles were tested at a height of 36".
(Recommended operating height is between 18" and 48".)

Model	PSI	GPM	Spray Pattern (Feet)	Speed (MPH)														
				1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1250RS Right Only 1/4" MNPT	20	1.5	16	46	23	16	12	9	8	7								
	30	1.7	16	53	26	18	13	11	9	8								
	40	2.0	16	62	31	21	16	12	10	9								
1400RS Right Only 1/4" MNPT	20	1.7	17		25	17	12	10	8	7	6	5.5	5	4.5	4			
	30	2.0	17		30	19	15	12	10	8	7	6.5	6	5	4.5			
	40	2.5	17		36	24	18	15	12	10	9	8	7	6.5	6			
1870RS Right Only 1/4" MNPT	20	3.0	18		41	28	21	17	14	12	10	9	8	7.5	7			
	30	3.5	18		48	32	24	19	16	14	12	11	10	9	8			
	40	4.3	18		59	39	30	24	20	17	15	13	12	11	10			
2650RS Right Only 1/2" MNPT	20	6.7	20		83	55	41	33	28	24	21	18	16	15	14	13	12	11
	30	7.5	20		93	62	46	37	32	26	23	20	18	17	15	14	13	12
	40	8.5	20		105	70	52	42	35	30	26	23	21	19	17	16	15	14
3120RS Right Only 1/2" MNPT	20	7.2	21		85	56	42	34	28	24	21	19	17	15	14	13	12	11
	30	9.0	21		106	71	53	42	35	30	26	23	21	19	17	16	15	14
	40	10.6	21		125	83	62	50	41	36	31	28	25	23	21	19	18	16
3750RS Right Only 1/2" MNPT	20	12.0	22		135	90	67.5	54	45	38.5	34	30	27	24.5	22.5	21	19	18
	30	14.0	22		157	105	79	63	52.5	45	39	35	31.5	29	26	24	22.5	21
	40	15.0	22		169	113	84	67.5	56	48	42	37.5	34	31	28	26	24	22.5
4370RS Right Only 1/2" MNPT	20	13.0	23		140	93	70	56	47	40	35	31	28	25	23	22	20	19
	30	15.5	23		167	112	83	67	56	48	42	37	33	30	28	26	24	22
	40	17.5	23		188	126	94	75	63	54	47	42	38	34	31	29	27	25

Gallons Per Acre



Boominator Boomless Regular Pattern Spray Nozzles. All Regular Pattern Spray Nozzles were tested at a height of 36" (90 cm). Recommended operating height is between 18" (45 cm) and 48" (120 cm).

Model	PSI	LPM	Spray Pattern in Metres	Speed (Km/h)														
				3	5	6.5	8	9.5	11	13	14.5	16	18	19	21	22.5	24	
5000 Right or Left 1" (25 mm) MNPT	20	64	7.5	1571	1047	785	626	524	449	393	346	318	290	262	243	224	206	Litres Per Hectare
	30	76	7.5	1851	1234	926	739	617	533	467	411	374	337	309	290	262	243	
	40	87	7.5	2132	1421	1066	851	711	608	533	477	430	383	355	327	309	280	

Model	PSI	LPM	Spray Pattern in Metres	Speed (Km/h)														
				6.5	9.5	13	16	19	22.5	26	29	32	35.5	38.5	42	45	48	
6250 Right or Left 1" (25 mm) MNPT	20	79.5	7.5	972	645	486	393	327	280	243	215	196	178	159	150	140	131	Litres Per Hectare
	30	94.5	7.5	1159	776	580	467	383	327	290	262	234	215	196	178	168	159	
	40	110	7.5	1346	898	673	533	449	383	337	299	271	243	224	206	196	178	



Boominator Boomless Regular Pattern Spray Nozzles. All Regular Pattern Spray Nozzles were tested at a height of 36". (Recommended operating height is between 18" and 48".)

Model	PSI	GPM	Spray Pattern (Feet)	Speed (MPH)														Gallons Per Acre
				2	3	4	5	6	7	8	9	10	11	12	13	14	15	
5000 Right or Left 1" MNPT	20	17.0	25	168	112	84	67	56	48	42	37	34	31	28	26	24	22	
	30	20.0	25	198	132	99	79	66	57	50	44	40	36	33	31	28	26	
	40	23.0	25	228	152	114	91	76	65	57	51	46	41	38	35	33	30	

Model	PSI	GPM	Spray Pattern (Feet)	Speed (MPH)														Gallons Per Acre
				4	6	8	10	12	14	16	18	20	22	24	26	28	30	
6250 Right or Left 1" MNPT	20	21.0	25	104	69	52	42	35	30	26	23	21	19	17	16	15	14	
	30	25.0	25	124	83	62	50	41	35	31	28	25	23	21	19	18	17	
	40	29.0	25	144	96	72	57	48	41	36	32	29	26	24	22	21	19	

All Roadside Spray Nozzles were tested at a height of 36 inches. (Recommended operating height is between 18 & 48 inches.)

*Water was used for all calculations listed.

				Speed MPH															
			Spray Pattern	1	2	3	4	5	6	7									
	PSI	GPM		Gallons Per Acre															
1250RS	20	1.5	16FT	46	23	16	12	9	8	7									
	30	1.7	16FT	53	26	18	13	11	9	8									
	40	2.0	16FT	62	31	21	16	12	10	9									
				Speed MPH															
			Spray Pattern		2	3	4	5	6	7	8	9	10	11	12				
	PSI	GPM		Gallons Per Acre															
1400RS	20	1.7	17FT		25	17	12	10	8	7	6	5.5	5	4.5	4				
	30	2.0	17FT		30	19	15	12	10	8	7	6.5	6	5	4.5				
	40	2.5	17FT		36	24	18	15	12	10	9	8	7	6.5	6				
				Speed MPH															
			Spray Pattern		2	3	4	5	6	7	8	9	10	11	12				
	PSI	GPM		Gallons Per Acre															
1870RS	20	3.0	18FT		41	28	21	17	14	12	10	9	8	7.5	7				
	30	3.5	18FT		48	32	24	19	16	14	12	11	10	9	8				
	40	4.3	18FT		59	39	30	24	20	17	15	13	12	11	10				
				Speed MPH															
			Spray Pattern		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	PSI	GPM		Gallons Per Acre															
2650RS	20	6.7	20FT		83	55	41	33	28	24	21	18	16	15	14	13	12	11	
	30	7.5	20FT		93	62	46	37	32	26	23	20	18	17	15	14	13	12	
	40	8.5	20FT		105	70	52	42	35	30	26	23	21	19	17	16	15	14	
				Speed MPH															
			Spray Pattern		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	PSI	GPM		Gallons Per Acre															
3120RS	20	7.2	21FT		85	56	42	34	28	24	21	19	17	15	14	13	12	11	
	30	9.0	21FT		106	71	53	42	35	30	26	23	21	19	17	16	15	14	
	40	10.6	21FT		125	83	62	50	41	36	31	28	25	23	21	19	18	16	
				Speed MPH															
			Spray Pattern		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	PSI	GPM		Gallons Per Acre															
3750RS	20	12.0	22FT		135	90	67.5	54	45	38.5	34	30	27	24.5	22.5	21	19	18	
	30	14.0	22FT		157	105	79	63	52.5	45	39	35	31.5	29	26	24	22.5	21	
	40	15.0	22FT		169	113	84	67.5	56	48	42	37.5	34	31	28	26	24	22.5	
				Speed MPH															
			Spray Pattern		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	PSI	GPM		Gallons Per Acre															
4370RS	20	13.0	23FT		140	93	70	56	47	40	35	31	28	25	23	22	20	19	
	30	15.5	23FT		167	112	83	67	56	48	42	37	33	30	28	26	24	22	
	40	17.5	23FT		188	126	94	75	63	54	47	42	38	34	31	29	27	25	

All Roadside Spray Nozzles were tested at a height of 36 inches. (Recommended operating height is between 18 & 48 inches.)

*Water was used for all calculations listed.

				Speed MPH															
			Spray Pattern	1	2	3	4	5	6	7									
	PSI	GPM		Gallons Per Acre															
1250RS	20	1.5	16FT	46	23	16	12	9	8	7									
	30	1.7	16FT	53	26	18	13	11	9	8									
	40	2.0	16FT	62	31	21	16	12	10	9									
				Speed MPH															
			Spray Pattern		2	3	4	5	6	7	8	9	10	11	12				
	PSI	GPM		Gallons Per Acre															
1400RS	20	1.7	17FT		25	17	12	10	8	7	6	5.5	5	4.5	4				
	30	2.0	17FT		30	19	15	12	10	8	7	6.5	6	5	4.5				
	40	2.5	17FT		36	24	18	15	12	10	9	8	7	6.5	6				
				Speed MPH															
			Spray Pattern		2	3	4	5	6	7	8	9	10	11	12				
	PSI	GPM		Gallons Per Acre															
1870RS	20	3.0	18FT		41	28	21	17	14	12	10	9	8	7.5	7				
	30	3.5	18FT		48	32	24	19	16	14	12	11	10	9	8				
	40	4.3	18FT		59	39	30	24	20	17	15	13	12	11	10				
				Speed MPH															
			Spray Pattern		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	PSI	GPM		Gallons Per Acre															
2650RS	20	6.7	20FT		83	55	41	33	28	24	21	18	16	15	14	13	12	11	
	30	7.5	20FT		93	62	46	37	32	26	23	20	18	17	15	14	13	12	
	40	8.5	20FT		105	70	52	42	35	30	26	23	21	19	17	16	15	14	
				Speed MPH															
			Spray Pattern		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	PSI	GPM		Gallons Per Acre															
3120RS	20	7.2	21FT		85	56	42	34	28	24	21	19	17	15	14	13	12	11	
	30	9.0	21FT		106	71	53	42	35	30	26	23	21	19	17	16	15	14	
	40	10.6	21FT		125	83	62	50	41	36	31	28	25	23	21	19	18	16	
				Speed MPH															
			Spray Pattern		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	PSI	GPM		Gallons Per Acre															
3750RS	20	12.0	22FT		135	90	67.5	54	45	38.5	34	30	27	24.5	22.5	21	19	18	
	30	14.0	22FT		157	105	79	63	52.5	45	39	35	31.5	29	26	24	22.5	21	
	40	15.0	22FT		169	113	84	67.5	56	48	42	37.5	34	31	28	26	24	22.5	
				Speed MPH															
			Spray Pattern		2	3	4	5	6	7	8	9	10	11	12	13	14	15	
	PSI	GPM		Gallons Per Acre															
4370RS	20	13.0	23FT		140	93	70	56	47	40	35	31	28	25	23	22	20	19	
	30	15.5	23FT		167	112	83	67	56	48	42	37	33	30	28	26	24	22	
	40	17.5	23FT		188	126	94	75	63	54	47	42	38	34	31	29	27	25	

Nozzle Installation Tips and Operation:

Nozzle Height Adjustment:

Nozzles can be used at various heights within the recommended range. However, this will affect the spray pattern width and the gallons per acre (GPA) applied.

Multi-Pass Spraying:

When multi-pass spraying, be sure to overlap the ends of spray patterns 12-16 inches to ensure even coverage.

Adverse Wind Conditions:

With boomless spray nozzles, as with other spraying methods, high or gusty wind conditions can cause drifting or pattern movements, adversely affecting spray coverage. If this occurs, wait for more favorable conditions before continuing.

Plumbing Requirements:

Make sure that all plumbing and feed lines can properly supply the nozzle or nozzles at their rated GPM and PSI.

Spraying Safety:

Always wear protective clothing when spraying and/or handling any and all chemicals.