



Full Pattern Spray Nozzles

All Full Pattern Spray Nozzles were tested at a height of 36 inches. (Recommended operating height is between 18 & 48 inches.)
Fresh water used for all testing.

1250FS FULL PATTERN				SPEED (MPH)						
				1	2	3	4	5	6	7
	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE						
	20	1.5	16 ft.	46	23	16	12	8	7.5	6.5
	30	1.7	16 ft.	53	26	18	13	11	9	8
	40	2.0	16 ft.	62	31	21	16	12	10	9
1/4" MNPT										

1400FS FULL PATTERN				SPEED (MPH)										
				2	3	4	5	6	7	8	9	10	11	12
	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE										
	20	1.7	17 ft.	25	17	12	10	8	7	6	5.5	5	4.5	4
	30	2.0	17 ft.	29	19	15	12	10	8	7	6.5	6	5	4.5
	40	2.5	17 ft.	36	24	18	15	12	10	9	8	7	6.5	6
1/4" MNPT														


1400FM FULL PATTERN				SPEED (MPH)										
				2	3	4	5	6	7	8	9	10	11	12
	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE										
	20	1.7	22 ft.	19	13	10	8	6	5.5	5	4.5	4	3.5	3
	30	2.0	22 ft.	23	15	11	9	8	6	5.5	5	4.5	4	3.5
	40	2.5	22 ft.	28	19	14	11	9	8	7	6	5.5	5	4.5
1/4" MNPT														

1870FSS FULL PATTERN				SPEED (MPH)										
				2	3	4	5	6	7	8	9	10	11	12
	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE										
	20	3.0	10 ft.	74.5	49.5	37	29.5	25	21	18.5	16.5	15	13.5	12.5
	30	3.5	10 ft.	86.5	57.5	43	34.5	28.5	25	21.5	19	17	16	14.5
	40	4.3	10 ft.	106.5	71	53	42.5	35.5	30.5	26.5	23.5	21	19	17.5
1/4" MNPT														


1870FS FULL PATTERN				SPEED (MPH)										
				2	3	4	5	6	7	8	9	10	11	12
	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE										
	20	3.0	18 ft.	41	28	21	17	14	12	10	9	8	7.5	7
	30	3.5	18 ft.	48	32	24	19	16	14	12	11	10	9	8
	40	4.3	18 ft.	59	39	30	24	20	17	15	13	12	11	10
1/4" MNPT														


1870FM FULL PATTERN				SPEED (MPH)										
				2	3	4	5	6	7	8	9	10	11	12
	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE										
	20	3.0	23 ft.	32	22	16	13	10	9	8	7	6.5	6	5
	30	3.5	23 ft.	38	25	19	15	13	11	9	8	7.5	7	6
	40	4.3	23 ft.	46	31	23	19	15	13	12	10	9	8	7.5
1/4" MNPT														

1870FL FULL PATTERN				SPEED (MPH)										
				2	3	4	5	6	7	8	9	10	11	12
	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE										
	20	3.0	30 ft.	25	17	12	10	8	7	6	5.5	5	4.5	4
	30	3.5	30 ft.	29	19	14	12	10	8	7	6	5.5	5	4.5
	40	4.3	30 ft.	36	25	18	14	12	10	9	8	7	6.5	6
1/4" MNPT														

2280FM FULL PATTERN				SPEED (MPH)										
				2	3	4	5	6	7	8	9	10	11	12
	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE										
	20	4.8	23 ft.	52	34	26	21	17	15	13	11	10	9	8.5
	30	6.0	23 ft.	64	43	32	26	21	18	16	14	13	12	11
	40	6.9	23 ft.	74	50	37	30	25	21	19	16.5	15	13.5	12
1/2" MNPT														

2280FL FULL PATTERN				SPEED (MPH)										
				2	3	4	5	6	7	8	9	10	11	12
	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE										
	20	4.8	30 ft.	40	26	20	16	13	11	10	9	8	7	6.5
	30	6.0	30 ft.	49.5	33	25	20	16.5	14	12	11	10	9	8
	40	6.9	30 ft.	57	38	28	22	19	16	14	12.5	11	10	9.5
1/2" MNPT														

2650FSS FULL PATTERN				SPEED (MPH)										
				2	3	4	5	6	7	8	9	10	11	12
	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE										
	20	6.7	10 ft.	166	110.5	83	66.5	55	47.5	41.5	37	33	30	27.5
	30	7.5	10 ft.	185	124	93	74	62	53	46.5	41	37	34	31
	40	8.5	10 ft.	210	140	105	84	70	60	52.5	47	42	38	35
1/2" MNPT														

2650FS FULL PATTERN				SPEED (MPH)										
				2	3	4	5	6	7	8	9	10	11	12
	PSI	GPM	SPRAY PATTERN	GALLONS PER ACRE										
	20	6.7	16 ft.	104	69	52	41	34.5	30	26	23	21	19	17
	30	8.0	16 ft.	124	82.5	52	50	41	35	31	27.5	25	22.5	21
	40	10.0	16 ft.	155	103	77	62	51.5	44	39	34	31	28	26
1/2" MNPT														

2650FM
FULL PATTERN

1/2" MNPT

PSI	GPM	SPRAY PATTERN	SPEED (MPH)										
			2	3	4	5	6	7	8	9	10	11	12
20	6.7	23 ft.	72	48	36	29	24	20.5	18	16	14	13	12
30	8.0	23 ft.	86	57	43	34	29	24.5	21.5	19	17	16	14
40	10.0	23 ft.	108	72	54	43	36	31	27	24	21.5	19.5	18

2650FL
FULL PATTERN

1/2" MNPT

PSI	GPM	SPRAY PATTERN	SPEED (MPH)										
			2	3	4	5	6	7	8	9	10	11	12
20	6.7	38 ft.	43.5	29	22	17.5	14.5	12.5	11	10	9	8	7
30	8.0	38 ft.	52	35	26	21	17	15	13	11.5	10.5	9.5	9
40	10.0	38 ft.	65	43	32.5	26	22	18.5	16	14.5	13	12	11

3120FS
FULL PATTERN

1/2" MNPT

PSI	GPM	SPRAY PATTERN	SPEED (MPH)										
			2	3	4	5	6	7	8	9	10	11	12
20	11.3	23 ft.	122	81	61	49	40	37	30	27	24	22	20
30	13.0	23 ft.	140	93	70	56	47	43	35	31	28	25	23
40	15.0	23 ft.	161	108	81	65	54	50	41	36	32	29	27

3120FM
FULL PATTERN

1/2" MNPT

PSI	GPM	SPRAY PATTERN	SPEED (MPH)										
			2	3	4	5	6	7	8	9	10	11	12
20	11.3	27 ft.	104	69	52	41	35	30	26	23	21	19	17
30	13.0	27 ft.	119	79	60	48	40	34	30	26	24	22	20
40	15.0	27 ft.	138	92	69	55	46	39	34	30	28	25	23

3120FL
FULL PATTERN

1/2" MNPT

PSI	GPM	SPRAY PATTERN	SPEED (MPH)										
			2	3	4	5	6	7	8	9	10	11	12
20	11.3	40 ft.	70	47	35	28	23	20	17.5	15.5	14	13	11.5
30	13.0	40 ft.	80	54	40	32	27	23	20	18	16	14.5	13.5
40	15.0	40 ft.	93	62	46.5	37	31	26.5	23	20.5	18.5	17	15.5

3750FS
FULL PATTERN

1/2" MNPT

PSI	GPM	SPRAY PATTERN	SPEED (MPH)										
			2	3	4	5	6	7	8	9	10	11	12
20	13.8	30 ft.	114	76	57	46	38	33	28	25	23	21	19
30	16.4	30 ft.	135	90	68	54	45	39	34	30	27	25	23
40	18.0	30 ft.	149	99	74	59	50	42	37	33	30	27	25

3750FM
FULL PATTERN

1/2" MNPT

PSI	GPM	SPRAY PATTERN	SPEED (MPH)										
			2	3	4	5	6	7	8	9	10	11	12
20	13.8	40 ft.	85	57	43	34	28	24	21	19	17	16	14
30	16.4	40 ft.	101	68	51	41	34	29	25	23	20	18	17
40	18.0	40 ft.	111	74	56	45	37	32	28	25	23	20	18

4370FL
FULL PATTERN

1/2" MNPT

PSI	GPM	SPRAY PATTERN	SPEED (MPH)										
			2	3	4	5	6	7	8	9	10	11	12
20	16.3	44 ft.	92	61	46	37	31	26	23	20	18	17	15
30	20.0	44 ft.	113	75	56	45	38	32	28	25	23	20	19
40	24.0	44 ft.	135	90	68	54	45	39	34	30	27	25	23