

NOZZLES

8' (2,4 m) FIXED PATTERN (5° Trajectory - flat)

Pressure				Precipitation Rate ¹				Model										
PSI	FT. R.	GPM	■ IN/HR ▲	BARS	M	MPH	L/min	■ MM/HR ▲	BARS	M	MPH	L/min	■ MM/HR ▲					
15	6	1.0	2.3	2.8	1.1	104	1.8	0.23	3.8	58.4	71.1	1.1	104	1.8	0.23	3.8	58.4	71.1
20	7	1.2	2.1	2.6	1.4	138	2.1	0.27	4.5	53.3	66.0	1.4	138	2.1	0.27	4.5	53.3	66.0
25	7	1.5	1.9	2.4	1.8	173	2.1	0.27	4.5	50.8	63.5	1.8	173	2.1	0.27	4.5	50.8	63.5
30	8	1.5	1.9	2.4	2.1	207	2.4	0.34	5.7	48.2	61.0	2.1	207	2.4	0.34	5.7	48.2	61.0
15	6	0.5	2.3	2.8	1.1	104	1.8	0.11	1.9	58.4	71.1	1.1	104	1.8	0.11	1.9	58.4	71.1
20	7	0.6	2.1	2.6	1.4	138	2.1	0.14	2.3	53.3	66.0	1.4	138	2.1	0.14	2.3	53.3	66.0
25	7	0.6	2.0	2.5	1.8	173	2.1	0.14	2.3	50.8	63.5	1.8	173	2.1	0.14	2.3	50.8	63.5
30	8	0.7	1.9	2.3	2.1	207	2.4	0.16	2.6	48.2	61.0	2.1	207	2.4	0.16	2.6	48.2	61.0
15	6	0.3	2.3	2.8	1.1	104	1.8	0.07	1.1	58.4	71.1	1.1	104	1.8	0.07	1.1	58.4	71.1
20	7	0.3	2.1	2.6	1.4	138	2.1	0.07	1.1	53.3	66.0	1.4	138	2.1	0.07	1.1	53.3	66.0
25	7	0.3	2.0	2.5	1.8	173	2.1	0.07	1.1	50.8	63.5	1.8	173	2.1	0.07	1.1	50.8	63.5
30	8	0.4	1.9	2.3	2.1	207	2.4	0.09	1.5	48.2	61.0	2.1	207	2.4	0.09	1.5	48.2	61.0

Pressure				Precipitation Rate ¹				Model										
PSI	FT. R.	GPM	■ IN/HR ▲	BARS	M	MPH	L/min	■ MM/HR ▲	BARS	M	MPH	L/min	■ MM/HR ▲					
15	7	1.2	2.3	2.6	1.1	104	2.1	0.27	4.5	58.4	66.0	1.1	104	2.1	0.27	4.5	58.4	66.0
20	8	1.3	2.0	2.3	1.4	138	2.4	0.30	4.9	50.8	58.4	1.4	138	2.4	0.30	4.9	50.8	58.4
25	9	1.4	1.7	2.0	1.8	173	2.7	0.32	5.3	43.2	50.8	1.8	173	2.7	0.32	5.3	43.2	50.8
30	10	1.6	1.5	1.8	2.1	207	3.1	0.36	6.1	38.1	45.7	2.1	207	3.1	0.36	6.1	38.1	45.7
15	7	0.6	2.3	2.6	1.1	104	2.1	0.14	2.3	58.4	66.0	1.1	104	2.1	0.14	2.3	58.4	66.0
20	8	0.6	2.0	2.3	1.4	138	2.4	0.14	2.3	50.8	58.4	1.4	138	2.4	0.14	2.3	50.8	58.4
25	9	0.7	1.7	2.0	1.8	173	2.7	0.16	2.6	43.2	50.8	1.8	173	2.7	0.16	2.6	43.2	50.8
30	10	0.8	1.5	1.8	2.1	207	3.1	0.18	3.0	38.1	45.7	2.1	207	3.1	0.18	3.0	38.1	45.7
15	7	0.3	2.3	2.6	1.1	104	2.1	0.06	1.1	58.4	66.0	1.1	104	2.1	0.06	1.1	58.4	66.0
20	8	0.3	2.0	2.3	1.4	138	2.4	0.06	1.1	50.8	58.4	1.4	138	2.4	0.06	1.1	50.8	58.4
25	9	0.3	1.7	2.0	1.8	173	2.7	0.09	1.5	43.2	50.8	1.8	173	2.7	0.09	1.5	43.2	50.8
30	10	0.4	1.5	1.8	2.1	207	3.1	0.09	1.5	38.1	45.7	2.1	207	3.1	0.09	1.5	38.1	45.7

10' (3,1 m) FIXED PATTERN (15° Trajectory - low angle)

Pressure				Precipitation Rate ¹				Model										
PSI	FT. R.	GPM	■ IN/HR ▲	BARS	M	MPH	L/min	■ MM/HR ▲	BARS	M	MPH	L/min	■ MM/HR ▲					
15	9	1.8	2.1	2.5	1.1	104	2.7	0.40	6.8	53.3	63.5	1.1	104	2.7	0.40	6.8	53.3	63.5
20	10	2.1	2.0	2.3	1.4	138	3.1	0.48	7.9	50.8	58.4	1.4	138	3.1	0.48	7.9	50.8	58.4
25	11	2.4	1.9	2.2	1.8	173	3.4	0.54	9.1	48.2	55.9	1.8	173	3.4	0.54	9.1	48.2	55.9
30	12	2.6	1.7	2.0	2.1	207	3.7	0.59	9.8	43.2	50.8	2.1	207	3.7	0.59	9.8	43.2	50.8
15	9	1.4	2.1	2.5	1.1	104	2.7	0.32	5.3	53.3	63.5	1.1	104	2.7	0.32	5.3	53.3	63.5
20	10	1.6	2.0	2.3	1.4	138	3.1	0.36	6.1	50.8	58.4	1.4	138	3.1	0.36	6.1	50.8	58.4
25	11	1.8	1.9	2.2	1.8	173	3.4	0.41	6.8	48.2	55.9	1.8	173	3.4	0.41	6.8	48.2	55.9
30	12	2.0	1.7	2.0	2.1	207	3.7	0.45	7.6	43.2	50.8	2.1	207	3.7	0.45	7.6	43.2	50.8
15	9	0.8	2.0	2.3	1.1	104	2.7	0.27	4.5	53.3	63.5	1.1	104	2.7	0.27	4.5	53.3	63.5
20	10	1.4	2.0	2.3	1.4	138	3.1	0.32	5.3	50.8	58.4	1.4	138	3.1	0.32	5.3	50.8	58.4
25	11	1.6	1.9	2.2	1.8	173	3.4	0.36	6.1	48.2	55.9	1.8	173	3.4	0.36	6.1	48.2	55.9
30	12	1.7	1.7	2.0	2.1	207	3.7	0.39	6.4	43.2	50.8	2.1	207	3.7	0.39	6.4	43.2	50.8
15	9	0.9	2.1	2.5	1.1	104	2.7	0.20	3.4	53.3	63.5	1.1	104	2.7	0.20	3.4	53.3	63.5
20	10	1.1	2.0	2.3	1.4	138	3.1	0.25	4.2	50.8	58.4	1.4	138	3.1	0.25	4.2	50.8	58.4
25	11	1.2	1.9	2.2	1.8	173	3.4	0.27	4.5	48.2	55.9	1.8	173	3.4	0.27	4.5	48.2	55.9
30	12	1.3	1.7	2.0	2.1	207	3.7	0.30	4.9	43.2	50.8	2.1	207	3.7	0.30	4.9	43.2	50.8
15	9	0.6	2.1	2.5	1.1	104	2.7	0.14	2.3	53.3	63.5	1.1	104	2.7	0.14	2.3	53.3	63.5
20	10	0.7	2.0	2.3	1.4	138	3.1	0.16	2.6	50.8	58.4	1.4	138	3.1	0.16	2.6	50.8	58.4
25	11	0.8	1.9	2.2	1.8	173	3.4	0.18	3.0	48.2	55.9	1.8	173	3.4	0.18	3.0	48.2	55.9
30	12	0.9	1.7	2.0	2.1	207	3.7	0.20	3.1	43.2	50.8	2.1	207	3.7	0.20	3.1	43.2	50.8
15	9	0.5	2.0	2.3	1.1	104	2.7	0.11	1.9	53.3	63.5	1.1	104	2.7	0.11	1.9	53.3	63.5
20	10	0.5	2.0	2.3	1.4	138	3.1	0.11	1.9	50.8	58.4	1.4	138	3.1	0.11	1.9	50.8	58.4
25	11	0.6	1.9	2.2	1.8	173	3.4	0.14	2.3	48.2	55.9	1.8	173	3.4	0.14	2.3	48.2	55.9
30	12	0.7	1.7	2.0	2.1	207	3.7	0.16	2.6	43.2	50.8	2.1	207	3.7	0.16	2.6	43.2	50.8

12' (3,7 m) FIXED PATTERN (30° Trajectory - low gallonage)

Pressure				Precipitation Rate ¹				Model										
PSI	FT. R.	GPM	■ IN/HR ▲	BARS	M	MPH	L/min	■ MM/HR ▲	BARS	M	MPH	L/min	■ MM/HR ▲					
15	11	2.6	2.1	2.4	1.1	104	3.4	0.59	9.8	53.3	60.7	1.1	104	3.4	0.59	9.8	53.3	60.7
20	12	3.0	2.0	2.3	1.4	138	3.7	0.68	11.4	50.8	58.4	1.4	138	3.7	0.68	11.4	50.8	58.4
25	14	3.3	1.6	1.9	1.8	173	4.3	0.75	12.5	40.6	48.2	1.8	173	4.3	0.75	12.5	40.6	48.2
30	15	3.7	1.6	1.8	2.1	207	4.6	0.84	14.0	40.6	45.7	2.1	207	4.6	0.84	14.0	40.6	45.7
15	11	2.0	2.1	2.4	1.1	104	3.4	0.45	7.6	53.3	60.7	1.1	104	3.4	0.45	7.6	53.3	60.7
20	12	2.3	2.0	2.3	1.4	138	3.7	0.52	8.7	50.8	58.4	1.4	138	3.7	0.52	8.7	50.8	58.4
25	14	2.5	1.6	1.9	1.8	173	4.3	0.57	9.5	40.6	48.2	1.8	173	4.3	0.57	9.5	40.6	48.2
30	15	2.8	1.6	1.8	2.1	207	4.6	0.64	10.6	40.6	45.7	2.1	207	4.6	0.64	10.6	40.6	45.7
15	11	1.7	2.1	2.4	1.1	104	3.4	0.39	6.4	53.3	60.7	1.1	104	3.4	0.39	6.4	53.3	60.7
20	12	2.0	2.0	2.3	1.4	138	3.7	0.45	7.6	50.8	58.4	1.4	138	3.7	0.45	7.6	50.8	58.4
25	14	2.2	1.6	1.9	1.8	173	4.3	0.50	8.3	40.6	48.2	1.8	173	4.3	0.50	8.3	40.6	48.2
30	15	2.5	1.6	1.8	2.1	207	4.6	0.57	9.5	40.6	45.7	2.1	207	4.6	0.57	9.5	40.6	45.7
15	11	1.3	2.1	2.4	1.1	104	3.4	0.30	4.9	53.3	60.7	1.1	104	3.4	0.30	4.9	53.3	60.7
20	12	1.5	2.0	2.3	1.4	138	3.7	0.34	5.7	50.								