

27AP Performance

METRIC

Pressure psi	Nozzle	Radius ft.	Flow GPM	■	▲
				Precip In/h	Precip In/h
40	09	-	-	-	-
	10 *	41	4.4	0.50	0.58
	11	42	5.3	0.58	0.67
	12	42	6.3	0.69	0.79
50	09	41	3.9	0.45	0.52
	10 *	42	4.9	0.54	0.62
	11	43	5.9	0.61	0.71
	12	44	7.0	0.70	0.80
60	09	42	4.3	0.47	0.54
	10 *	42	5.4	0.59	0.68
	11	43	6.5	0.68	0.78
	12	45	7.7	0.73	0.85
70	09	42	4.6	0.50	0.58
	10 *	43	5.8	0.60	0.70
	11	44	7.0	0.70	0.80
	12	-	-	-	-
80	09	43	4.9	0.51	0.59
	10 *	44	6.2	0.62	0.71
	11	45	7.5	0.71	0.82
	12	-	-	-	-

Pressure bars	Nozzle	Radius m	Flow m ³ /h	Flow l/s	■	▲
					Precip mm/h	Precip mm/h
2,8	09	-	-	-	-	-
	10 *	12,5	1,00	0,28	13	15
	11	12,8	1,20	0,33	15	17
	12	12,8	1,43	0,40	17	20
3,0	09	-	-	-	-	-
	10 *	12,6	1,04	0,29	13	15
	11	12,9	1,26	0,35	15	17
	12	13,0	1,49	0,41	18	20
3,5	09	12,5	0,89	0,25	11	13
	10 *	12,7	1,12	0,31	14	16
	11	13,0	1,35	0,37	16	18
	12	13,4	1,60	0,44	18	21
4,0	09	12,7	0,95	0,26	12	14
	10 *	12,9	1,19	0,33	14	17
	11	13,2	1,44	0,40	17	19
	12	13,7	1,72	0,48	18	21
4,5	09	12,8	1,01	0,28	12	14
	10 *	13,0	1,27	0,35	15	17
	11	13,3	1,53	0,42	17	20
	12	-	-	-	-	-
5,0	09	12,9	1,06	0,29	13	15
	10 *	13,2	1,34	0,37	15	18
	11	13,5	1,62	0,45	18	20
	12	-	-	-	-	-
5,5	09	13,1	1,11	0,31	13	15
	10 *	13,4	1,41	0,39	16	18
	11	13,7	1,70	0,47	18	21
	12	-	-	-	-	-

Precipitation Rates based on half-circle operation.

■ Square spacing based on 50% diameter of throw.

▲ Triangular spacing based on 50% diameter of throw.

* Standard Nozzle Size

Performance data collected in zero wind conditions.

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1. See page 6 for complete ASAE Test Certification Statement.



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METRIC

Pressure psi	Nozzle	Radius ft.	Flow GPM	■	▲
				Precip In/h	Precip In/h
40	12	-	-	-	-
	13	43	7.3	0.76	0.88
	14*	43	8.4	0.87	1.01
	15	44	9.6	0.96	1.10
50	12	44	7.0	0.70	0.80
	13	44	8.2	0.82	0.94
	14*	45	9.4	0.89	1.03
	15	45	10.8	1.03	1.19
60	12	45	7.7	0.73	0.85
	13	45	9.0	0.86	0.99
	14*	46	10.4	0.95	1.09
	15	46	11.8	1.07	1.24
70	12	46	8.3	0.76	0.87
	13	46	9.8	0.89	1.03
	14*	47	11.3	0.99	1.14
	15	47	12.8	1.12	1.29
80	12	47	8.9	0.78	0.90
	13	47	10.5	0.92	1.06
	14*	48	12.1	1.01	1.17
	15	48	13.7	1.15	1.32

Precipitation Rates based on half-circle operation.

■ Square spacing based on 50% diameter of throw.

▲ Triangular spacing based on 50% diameter of throw.

* Standard Nozzle Size

Performance data collected in zero wind conditions.

Pressure bars	Nozzle	Radius m	Flow m ³ /h	Flow l/s	■	▲
					Precip mm/h	Precip mm/h
2,8	12	-	-	-	-	-
	13	13,1	1,66	0,46	19	22
	14*	13,1	1,91	0,53	22	26
	15	13,4	2,18	0,61	24	28
3,0	12	-	-	-	-	-
	13	13,2	1,73	0,48	20	23
	14*	13,4	1,99	0,55	22	26
	15	13,5	2,28	0,63	25	29
3,5	12	13,4	1,59	0,44	18	20
	13	13,4	1,87	0,52	21	24
	14*	13,6	2,15	0,60	23	27
	15	13,7	2,45	0,68	26	30
4,0	12	13,7	1,71	0,47	18	21
	13	13,7	2,00	0,55	21	25
	14*	13,9	2,30	0,64	24	28
	15	14,0	2,62	0,73	27	31
4,5	12	13,9	1,82	0,50	19	22
	13	13,9	2,13	0,59	22	26
	14*	14,2	2,45	0,68	24	28
	15	14,2	2,79	0,77	28	32
5,0	12	14,1	1,92	0,53	19	22
	13	14,1	2,26	0,63	23	26
	14*	14,4	2,61	0,72	25	29
	15	14,4	2,95	0,82	28	33
5,5	12	14,3	2,02	0,56	20	23
	13	14,3	2,38	0,66	23	27
	14*	14,6	2,75	0,76	26	30
	15	14,6	3,11	0,86	29	34

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METRIC

Pressure psi	Nozzle	Radius ft.	■		▲
			Flow GPM	Precip In/h	Precip In/h
60	14	54	10.8	0.71	0.82
	15	55	12.7	0.81	0.93
	16 *	56	14.0	0.86	0.99
	17	57	15.5	0.92	1.06
	18	57	17.6	1.04	1.20
70	14	56	11.7	0.72	0.83
	15	57	13.9	0.82	0.95
	16 *	58	15.2	0.87	1.00
	17	59	17.1	0.95	1.09
	18	59	19.1	1.06	1.22
80	14	57	12.6	0.75	0.86
	15	58	14.9	0.85	0.99
	16 *	59	16.4	0.91	1.05
	17	60	18.6	1.00	1.15
	18	61	20.5	1.06	1.23
90	14	59	13.4	0.74	0.86
	15	60	15.9	0.85	0.98
	16 *	61	17.3	0.90	1.03
	17	62	20.0	1.00	1.16
	18	63	21.8	1.06	1.22
100	14	60	14.2	0.76	0.88
	15	61	16.9	0.87	1.01
	16 *	62	18.3	0.92	1.06
	17	-	-	-	-
	18	-	-	-	-

Pressure bars	Nozzle	Radius m	■		▲	
			Flow m³/h	Flow l/s	Precip mm/h	Precip mm/h
4,1	14	16,5	2,45	0,68	18	21
	15	16,8	2,88	0,80	20	24
	16 *	17,1	3,18	0,88	22	25
	17	17,4	3,52	0,98	23	27
	18	17,4	4,00	1,11	26	31
4,5	14	16,8	2,56	0,71	18	21
	15	17,1	3,02	0,84	21	24
	16 *	17,4	3,33	0,92	22	25
	17	17,7	3,71	1,03	24	27
	18	17,7	4,17	1,16	27	31
5,0	14	17,1	2,70	0,75	18	21
	15	17,4	3,20	0,89	21	24
	16 *	17,7	3,50	0,97	22	26
	17	18,0	3,95	1,10	24	28
	18	18,1	4,40	1,22	27	31
5,5	14	17,4	2,84	0,79	19	22
	15	17,7	3,37	0,93	21	25
	16 *	18,0	3,68	1,02	23	26
	17	18,4	4,20	1,17	25	29
	18	18,6	4,63	1,29	27	31
6,0	14	17,8	2,98	0,83	19	22
	15	18,1	3,54	0,98	22	25
	16 *	18,4	3,86	1,07	23	26
	17	18,7	4,45	1,23	25	29
	18	19,0	4,86	1,35	27	31
6,5	14	18,1	3,12	0,87	19	22
	15	18,4	3,71	1,03	22	25
	16 *	18,7	4,03	1,12	23	27
	17	-	-	-	-	-
	18	-	-	-	-	-
6,9	14	18,3	3,22	0,89	19	22
	15	18,6	3,84	1,07	22	26
	16 *	18,9	4,15	1,15	23	27
	17	-	-	-	-	-
	18	-	-	-	-	-

Precipitation Rates based on half-circle operation.

- Square spacing based on 50% diameter of throw.
 - ▲ Triangular spacing based on 50% diameter of throw.
 - * Standard Nozzle Size
- Performance data collected in zero wind conditions.

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1. See page 6 for complete ASAE Test Certification Statement.

