

## R-50 / R-50 SAM Performance with Rain Curtain™ Nozzles

### METRIC

Pressure psi	Nozzle	Radius ft.	Flow GPM	■	▲
				Precip In/h	Precip In/h
25	● 1.5	27	1.6	0.42	0.49
	● 2.0	28	1.9	0.47	0.54
	● 3.0	32	2.8	0.53	0.61
	● 4.0	33	3.8	0.67	0.78
	● 6.0	36	5.4	0.80	0.93
35	● 1.5	28	1.9	0.47	0.54
	● 2.0	30	2.2	0.47	0.54
	● 3.0	33	3.3	0.58	0.67
	● 4.0	34	4.4	0.73	0.85
	● 6.0	38	6.5	0.87	1.00
45	● 1.5	28	2.2	0.54	0.62
	● 2.0	30	2.6	0.56	0.64
	● 3.0	34	3.8	0.63	0.73
	● 4.0	34	5.1	0.85	0.98
	● 6.0	40	7.3	0.88	1.01
55	● 1.5	28	2.4	0.59	0.68
	● 2.0	30	2.9	0.62	0.72
	● 3.0	34	4.1	0.68	0.79
	● 4.0	34	5.7	0.95	1.10
	● 6.0	40	8.1	0.98	1.13
60	● 1.5	28	2.5	0.61	0.71
	● 2.0	30	3.0	0.64	0.74
	● 3.0	34	4.3	0.72	0.83
	● 4.0	34	6.1	1.02	1.17
	● 6.0	40	8.5	1.02	1.18

Pressure bars	Nozzle	Radius m	Flow m³/h	Flow l/s	■	▲
					Precip mm/h	Precip mm/h
1,7	● 1,5	8,2	0,36	0,10	11	12
	● 2,0	8,5	0,43	0,12	12	14
	● 3,0	9,8	0,64	0,18	13	15
	● 4,0	10,1	0,86	0,24	17	19
	● 6,0	11,0	1,23	0,34	20	23
2,0	● 1,5	8,4	0,39	0,11	11	13
	● 2,0	8,8	0,46	0,13	12	14
	● 3,0	9,9	0,68	0,19	14	16
	● 4,0	10,2	0,92	0,25	18	20
	● 6,0	11,3	1,33	0,37	21	24
2,5	● 1,5	8,4	0,44	0,12	12	14
	● 2,0	8,9	0,52	0,14	13	15
	● 3,0	10,1	0,76	0,21	15	17
	● 4,0	10,3	1,02	0,28	19	22
	● 6,0	11,6	1,47	0,41	22	25
3,0	● 1,5	8,5	0,48	0,13	13	15
	● 2,0	9,1	0,57	0,16	14	16
	● 3,0	10,2	0,83	0,23	16	18
	● 4,0	10,3	1,13	0,31	21	25
	● 6,0	11,9	1,62	0,45	23	26
3,5	● 1,5	8,5	0,53	0,15	15	17
	● 2,0	9,2	0,63	0,18	15	17
	● 3,0	10,4	0,90	0,25	17	19
	● 4,0	10,4	1,24	0,34	23	27
	● 6,0	12,2	1,76	0,49	24	27
4,0	● 1,5	8,5	0,56	0,16	15	18
	● 2,0	9,2	0,67	0,19	16	18
	● 3,0	10,4	0,96	0,27	18	21
	● 4,0	10,4	1,35	0,37	25	29
	● 6,0	12,2	1,89	0,53	25	29
4,1	● 1,5	8,5	0,57	0,16	16	18
	● 2,0	9,2	0,68	0,19	16	19
	● 3,0	10,4	0,98	0,27	18	21
	● 4,0	10,4	1,38	0,38	26	29
	● 6,0	12,2	1,93	0,54	26	30

Precipitation Rates based on half-circle operation.

■ Square spacing based on 50% diameter of throw.

▲ Triangular spacing based on 50% diameter of throw.

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.

**R-50 / R-50 SAM Performance with Radius+ Nozzles****METRIC**

Pressure psi	Nozzle	Radius ft.	Flow GPM	■	▲
				Precip In/h	Precip In/h
25	● 1.5	33	1.5	0.27	0.31
	● 2.0	37	2.2	0.31	0.36
	● 3.0	38	3.1	0.41	0.48
	● 4.0	-	-	-	-
	● 6.0	-	-	-	-
35	● 1.5	34	1.7	0.28	0.33
	● 2.0	38	2.5	0.33	0.39
	● 3.0	39	3.5	0.44	0.51
	● 4.0	39	4.8	0.61	0.70
	● 6.0	45	7.0	0.67	0.77
45	● 1.5	34	2.0	0.33	0.38
	● 2.0	39	2.8	0.35	0.41
	● 3.0	40	4.2	0.51	0.58
	● 4.0	40	5.4	0.65	0.75
	● 6.0	48	8.1	0.68	0.78
55	● 1.5	34	2.1	0.35	0.40
	● 2.0	39	3.1	0.39	0.45
	● 3.0	40	4.5	0.54	0.63
	● 4.0	41	6.0	0.69	0.79
	● 6.0	49	8.9	0.71	0.82
60	● 1.5	34	2.3	0.38	0.44
	● 2.0	39	3.3	0.42	0.48
	● 3.0	40	4.9	0.59	0.68
	● 4.0	41	6.2	0.71	0.82
	● 6.0	50	9.4	0.72	0.84

Precipitation Rates based on half-circle operation.

■ Square spacing based on 50% diameter of throw.

▲ Triangular spacing based on 50% diameter of throw.

Performance data collected in zero wind conditions.

Pressure bars	Nozzle	Radius m	Flow m <sup>3</sup> /h	Flow l/s	■	▲
					Precip mm/h	Precip mm/h
1,7	● 1,5	10,0	0,34	0,09	7	8
	● 2,0	11,3	0,50	0,14	8	9
	● 3,0	11,6	0,70	0,20	10	12
	● 4,0	-	-	-	-	-
	● 6,0	-	-	-	-	-
2,0	● 1,5	10,2	0,36	0,10	7	8
	● 2,0	11,4	0,53	0,15	8	9
	● 3,0	11,7	0,75	0,21	11	13
	● 4,0	-	-	-	-	-
	● 6,0	-	-	-	-	-
2,5	● 1,5	10,3	0,40	0,11	8	9
	● 2,0	11,6	0,58	0,16	9	10
	● 3,0	11,9	0,83	0,23	12	14
	● 4,0	11,9	1,11	0,31	16	18
	● 6,0	13,9	1,63	0,45	17	19
3,0	● 1,5	10,3	0,43	0,12	8	9
	● 2,0	11,7	0,63	0,17	9	11
	● 3,0	12,0	0,91	0,25	13	15
	● 4,0	12,2	1,21	0,33	16	19
	● 6,0	14,3	1,78	0,49	17	20
3,5	● 1,5	10,4	0,47	0,13	9	10
	● 2,0	11,9	0,68	0,19	10	11
	● 3,0	12,2	0,99	0,28	13	15
	● 4,0	12,4	1,31	0,36	17	20
	● 6,0	14,8	1,95	0,54	18	21
4,0	● 1,5	10,4	0,50	0,14	9	11
	● 2,0	11,9	0,73	0,20	10	12
	● 3,0	12,2	1,08	0,30	15	17
	● 4,0	12,5	1,39	0,39	18	21
	● 6,0	15,1	2,09	0,58	18	21
4,1	● 1,5	10,4	0,52	0,14	10	11
	● 2,0	11,9	0,75	0,21	11	12
	● 3,0	12,2	1,11	0,31	15	17
	● 4,0	12,5	1,41	0,39	18	21
	● 6,0	15,3	2,13	0,59	18	21

## R-50 LA / R-50 SAM LA Performance with Rain Curtain™ Nozzles

### METRIC

Pressure psi	Nozzle	Radius ft.	Flow GPM	Precip In/h	Precip In/h
25	● 1.5	21	1.5	0.66	0.76
	● 2.0	26	1.9	0.54	0.63
	● 3.0	28	2.7	0.66	0.77
	● 4.0	28	3.8	0.93	1.08
	● 6.0	30	5.1	1.09	1.26
35	● 1.5	23	1.8	0.66	0.76
	● 2.0	27	2.2	0.58	0.67
	● 3.0	29	3.1	0.71	0.82
	● 4.0	29	4.4	1.01	1.16
	● 6.0	32	6.0	1.13	1.30
45	● 1.5	23	2.0	0.73	0.84
	● 2.0	28	2.5	0.61	0.71
	● 3.0	29	3.6	0.82	0.95
	● 4.0	30	5.1	1.09	1.26
	● 6.0	33	6.9	1.22	1.41
55	● 1.5	22	2.2	0.88	1.01
	● 2.0	26	2.8	0.80	0.92
	● 3.0	29	3.9	0.89	1.03
	● 4.0	30	5.6	1.20	1.38
	● 6.0	35	7.6	1.19	1.38
60	● 1.5	22	2.3	0.92	1.06
	● 2.0	27	2.9	0.77	0.88
	● 3.0	29	4.1	0.94	1.08
	● 4.0	30	5.9	1.26	1.46
	● 6.0	34	7.9	1.32	1.52

Pressure bars	Nozzle	Radius m	Flow m <sup>3</sup> /h	Flow l/s	Precip mm/h	Precip mm/h
1,7	● 1,5	6,4	0,34	0,09	17	19
	● 2,0	7,9	0,43	0,12	14	16
	● 3,0	8,5	0,61	0,17	17	19
	● 4,0	8,5	0,86	0,24	24	27
	● 6,0	9,2	1,16	0,32	27	32
2,0	● 1,5	6,7	0,37	0,10	16	19
	● 2,0	8,1	0,46	0,13	14	16
	● 3,0	8,7	0,65	0,18	17	20
	● 4,0	8,7	0,92	0,26	24	28
	● 6,0	9,4	1,24	0,34	28	32
2,5	● 1,5	6,8	0,41	0,11	18	20
	● 2,0	8,1	0,51	0,14	16	18
	● 3,0	8,7	0,72	0,20	19	22
	● 4,0	8,8	1,02	0,28	26	30
	● 6,0	9,7	1,38	0,38	29	34
3,0	● 1,5	6,8	0,44	0,12	19	22
	● 2,0	8,2	0,56	0,15	17	19
	● 3,0	8,8	0,79	0,22	20	24
	● 4,0	9,0	1,12	0,31	28	32
	● 6,0	10,1	1,52	0,42	30	34
3,5	● 1,5	6,8	0,48	0,13	21	24
	● 2,0	8,2	0,61	0,17	18	21
	● 3,0	8,8	0,86	0,24	22	25
	● 4,0	9,2	1,22	0,34	29	34
	● 6,0	10,4	1,65	0,46	30	35
4,0	● 1,5	6,7	0,52	0,14	23	27
	● 2,0	8,1	0,65	0,18	20	23
	● 3,0	8,8	0,92	0,25	24	27
	● 4,0	9,2	1,31	0,36	31	36
	● 6,0	10,4	1,77	0,49	33	38
4,1	● 1,5	6,7	0,52	0,14	23	27
	● 2,0	8,2	0,66	0,18	20	23
	● 3,0	8,8	0,93	0,26	24	28
	● 4,0	9,2	1,34	0,37	32	37
	● 6,0	10,4	1,79	0,50	33	38

Precipitation Rates based on half-circle operation.

■ Square spacing based on 50% diameter of throw.

▲ Triangular spacing based on 50% diameter of throw.

Performance data collected in zero wind conditions.

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## R-50 LA / R-50 SAM LA Performance with Radius+ Nozzles

## METRIC

Pressure psi	Nozzle	Radius ft.	Flow GPM	■	▲
				Precip In/h	Precip In/h
25	● 1.5	26	1.6	0.46	0.53
	● 2.0	28	1.9	0.47	0.54
	● 3.0	28	2.8	0.69	0.79
	● 4.0	30	3.8	0.81	0.94
	● 6.0	34	5.4	0.90	1.04
35	● 1.5	26	1.9	0.54	0.63
	● 2.0	29	2.2	0.50	0.58
	● 3.0	30	3.3	0.71	0.82
	● 4.0	32	4.4	0.83	0.96
	● 6.0	34	6.5	1.08	1.25
45	● 1.5	26	2.2	0.63	0.72
	● 2.0	30	2.6	0.56	0.64
	● 3.0	30	3.8	0.81	0.94
	● 4.0	30	5.1	1.09	1.26
	● 6.0	36	7.3	1.08	1.25
55	● 1.5	26	2.4	0.68	0.79
	● 2.0	30	2.9	0.62	0.72
	● 3.0	30	4.1	0.88	1.01
	● 4.0	32	5.7	1.07	1.24
	● 6.0	36	8.1	1.20	1.39
60	● 1.5	26	2.5	0.71	0.82
	● 2.0	30	3.0	0.64	0.74
	● 3.0	30	4.3	0.92	1.06
	● 4.0	32	6.1	1.15	1.32
	● 6.0	36	8.5	1.26	1.46

Precipitation Rates based on half-circle operation.

■ Square spacing based on 50% diameter of throw.

▲ Triangular spacing based on 50% diameter of throw.

Performance data collected in zero wind conditions.

Pressure bars	Nozzle	Radius m	Flow m <sup>3</sup> /h	Flow l/s	■	▲
					Precip mm/h	Precip mm/h
1,7	● 1,5	7,9	0,36	0,10	12	13
	● 2,0	8,5	0,43	0,12	12	14
	● 3,0	8,5	0,64	0,18	18	20
	● 4,0	9,2	0,86	0,24	20	23
	● 6,0	10,4	1,23	0,34	23	26
2,0	● 1,5	7,9	0,39	0,11	12	14
	● 2,0	8,7	0,46	0,13	12	14
	● 3,0	8,8	0,68	0,19	18	20
	● 4,0	9,3	0,92	0,25	21	25
	● 6,0	10,4	1,33	0,37	25	28
2,5	● 1,5	7,9	0,44	0,12	14	16
	● 2,0	8,8	0,52	0,14	13	16
	● 3,0	8,9	0,76	0,21	19	22
	● 4,0	9,4	1,02	0,28	23	27
	● 6,0	10,6	1,47	0,41	26	30
3,0	● 1,5	7,9	0,48	0,13	15	18
	● 2,0	9,0	0,57	0,16	14	16
	● 3,0	9,1	0,83	0,23	20	23
	● 4,0	9,5	1,13	0,31	25	29
	● 6,0	10,8	1,62	0,45	28	32
3,5	● 1,5	7,9	0,53	0,15	17	20
	● 2,0	9,2	0,63	0,18	15	17
	● 3,0	9,2	0,90	0,25	21	25
	● 4,0	9,5	1,24	0,34	27	32
	● 6,0	11,0	1,76	0,49	29	34
4,0	● 1,5	7,9	0,56	0,16	18	21
	● 2,0	9,2	0,67	0,19	16	18
	● 3,0	9,2	0,96	0,27	23	26
	● 4,0	9,8	1,35	0,37	28	33
	● 6,0	11,0	1,89	0,53	31	36
4,1	● 1,5	7,9	0,57	0,16	18	21
	● 2,0	9,2	0,68	0,19	16	19
	● 3,0	9,2	0,98	0,27	23	27
	● 4,0	9,8	1,38	0,38	29	33
	● 6,0	11,0	1,93	0,54	32	37