5000/5000 Plus Std. Angle Rain Curtain™ Nozzle Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
25	1.5	33	1.12	0.20	0.23
	2.0	35	1.50	0.24	0.27
	2.5	35	1.81	0.28	0.33
	3.0	36	2.26	0.34	0.39
	4.0	37	2.91	0.41	0.47
	5.0	39	3.72	0.47	0.54
	6.0	39	4.25	0.54	0.62
	8.0	36	5.90	0.88	1.01
35	1.5	34	1.35	0.22	0.26
	2.0	36	1.81	0.27	0.31
	2.5	37	2.17	0.31	0.35
	3.0	38	2.71	0.36	0.42
	4.0	40	3.50	0.42	0.49
	5.0	41	4.47	0.51	0.59
	6.0	43	5.23	0.54	0.63
	8.0	43	7.06	0.74	0.85
45	1.5	35	1.54	0.24	0.28
	2.0	37	2.07	0.29	0.34
	2.5	37	2.51	0.35	0.41
	3.0	40	3.09	0.37	0.43
	4.0	42	4.01	0.44	0.51
	5.0	45	5.09	0.48	0.56
	6.0	46	6.01	0.55	0.63
	8.0	47	8.03	0.70	0.81
55	1.5	35	1.71	0.27	0.31
	2.0	37	2.30	0.32	0.37
	2.5	37	2.76	0.39	0.45
	3.0	40	3.47	0.42	0.48
	4.0	42	4.44	0.48	0.56
	5.0	45	5.66	0.54	0.62
	6.0	47	6.63	0.58	0.67
	8.0	50	8.86	0.68	0.79
65	1.5	34	1.86	0.31	0.36
	2.0	35	2.52	0.40	0.46
	2.5	37	3.01	0.42	0.49
	3.0	40	3.78	0.45	0.53
	4.0	42	4.83	0.53	0.61
	5.0	45	6.16	0.59	0.68
	6.0	48	7.22	0.60	0.70
	8.0	50	9.63	0.74	0.86

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 224 for complete ASAE Test Certification Statement.

5000/5000 Plus Std. Angle Rain Curtain™ Nozzle Performance

METRIC

Pressure bar	Nozzle	Radius m	Flow m^3/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
1.7	1.5	10.10	0.25	4.2	5	6
	2.0	10.70	0.34	5.4	6	7
	2.5	10.70	0.41	6.6	7	8
	3.0	11.00	0.51	8.4	8	10
	4.0	11.3	0.66	10.8	10	12
	5.0	11.90	0.84	13.8	12	14
	6.0	11.90	0.97	16.2	14	16
	8.0	11.00	1.34	22.2	22	26
2.0	1.5	10.20	0.28	4.8	5	6
	2.0	10.80	0.36	6.0	6	7
	2.5	10.90	0.44	7.2	7	9
	3.0	11.20	0.55	9.0	9	10
	4.0	11.6	0.71	12.0	11	12
	5.0	12.10	0.91	15.0	12	14
	6.0	12.40	1.05	17.4	14	16
	8.0	11.80	1.45	24.0	21	24
2.5	1.5	10.40	0.31	5.4	6	7
	2.0	11.00	0.41	6.6	7	8
	2.5	11.30	0.50	8.4	8	9
	3.0	11.20	0.62	10.2	9	11
	4.0	12.3	0.81	13.2	11	13
	5.0	12.70	1.03	17.4	13	15
	6.0	13.20	1.21	20.4	14	16
	8.0	13.30	1.63	27.0	19	21
3.0	1.5	10.60	0.34	6.0	6	7
	2.0	11.20	0.45	7.8	7	8
	2.5	11.30	0.56	9.6	9	10
	3.0	12.10	0.69	11.4	9	11
	4.0	12.7	0.89	15.0	11	13
	5.0	13.50	1.13	18.6	12	14
	6.0	13.90	1.34	22.2	14	16
	8.0	14.10	1.79	30.0	18	21
3.5	1.5	10.70	0.37	6.0	7	8
	2.0	11.30	0.49	8.4	8	9
	2.5	11.30	0.60	10.2	9	11
	3.0	12.20	0.74	12.6	10	12
	4.0	12.8	0.97	16.2	12	14
	5.0	13.70	1.23	20.4	13	15
	6.0	14.20	1.45	24.0	14	17
	8.0	14.90	1.93	32.4	18	20
4.0	1.5	10.60	0.40	6.6	7	8
	2.0	11.10	0.52	9.0	8	10
	2.5	11.30	0.64	10.8	10	12
	3.0	12.20	0.80	13.2	11	12
	4.0	12.8	1.04	17.4	13	15
	5.0	13.70	1.32	22.2	14	16
	6.0	14.90	1.55	25.8	15	17
	8.0	15.20	2.06	34.2	18	21
4.5	1.5	10.40	0.42	7.2	8	9
	2.0	10.70	0.55	9.0	10	11
	2.5	11.30	0.68	11.4	11	12
	3.0	12.20	0.84	13.8	11	13
	4.0	12.8	1.10	18.0	13	15
	5.0	13.70	1.40	23.4	15	17
	6.0	14.60	1.64	28.2	15	18
	8.0	15.20	2.19	36.6	19	22

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 224 for complete ASAE Test Certification Statement.

5000/5000 Plus Low Angle Nozzle Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
25	1.0 LA	25	0.76	0.23	0.27
	1.5 LA	27	1.15	0.30	0.35
	2.0 LA	29	1.47	0.34	0.39
	3.0 LA	29	2.23	0.51	0.59
35	1.0 LA	28	0.92	0.23	0.26
	1.5 LA	30	1.38	0.30	0.34
	2.0 LA	31	1.77	0.35	0.41
	3.0 LA	33	2.68	0.47	0.55
45	1.0 LA	29	1.05	0.24	0.28
	1.5 LA	31	1.58	0.32	0.37
	2.0 LA	32	2.02	0.38	0.44
	3.0 LA	35	3.07	0.48	0.56
55	1.0 LA	29	1.17	0.27	0.31
	1.5 LA	31	1.76	0.35	0.41
	2.0 LA	33	2.24	0.40	0.46
	3.0 LA	36	3.41	0.51	0.58
65	1.0 LA	29	1.27	0.29	0.34
	1.5 LA	31	1.92	0.38	0.44
	2.0 LA	33	2.45	0.43	0.50
	3.0 LA	36	3.72	0.55	0.64

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 224 for complete ASAE Test Certification Statement.

5000/5000 Plus Low Angle Nozzle Performance METRIC

Pressure bar	Nozzle	Radius m	Flow m^3/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
1.7	1.0 LA	7.60	0.17	3.0	6	7
	1.5 LA	8.20	0.26	4.2	8	9
	2.0 LA	8.80	0.33	5.4	9	10
	3.0 LA	8.80	0.51	8.4	13	15
2.0	1.0 LA	8.00	0.18	3.0	6	6
	1.5 LA	8.60	0.28	4.8	8	9
	2.0 LA	9.10	0.36	6.0	9	10
	3.0 LA	9.30	0.55	9.0	13	15
2.5	1.0 LA	8.60	0.20	3.6	5	6
	1.5 LA	9.20	0.32	5.4	8	9
	2.0 LA	9.50	0.41	6.6	9	10
	3.0 LA	10.10	0.62	10.2	12	14
3.0	1.0 LA	8.80	0.22	3.6	6	7
	1.5 LA	9.40	0.35	6.0	8	9
	2.0 LA	9.70	0.45	7.8	10	11
	3.0 LA	10.60	0.68	11.4	12	14
3.5	1.0 LA	8.80	0.24	4.2	6	7
	1.5 LA	9.40	0.38	6.6	9	10
	2.0 LA	9.90	0.49	8.4	10	11
	3.0 LA	10.80	0.74	12.6	13	15
4.0	1.0 LA	8.80	0.26	4.2	7	8
	1.5 LA	9.40	0.41	6.6	9	11
	2.0 LA	10.10	0.52	9.0	10	12
	3.0 LA	11.00	0.80	13.2	13	15
4.5	1.0 LA	8.80	0.27	4.8	7	8
	1.5 LA	9.40	0.44	7.2	10	11
	2.0 LA	10.10	0.56	9.0	11	13
	3.0 LA	11.00	0.84	13.8	14	16

5000 Plus PRS Std. Angle Rain Curtain™ Nozzle Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
25	1.5	33	1.12	0.2	0.23
	2.0	35	1.5	0.24	0.27
	2.5	35	1.81	0.28	0.33
	3.0	36	2.26	0.34	0.39
	4.0	37	2.91	0.41	0.47
	5.0	39	3.72	0.47	0.54
	6.0	39	4.25	0.54	0.62
	8.0	36	5.9	0.88	1.01
35	1.5	34	1.35	0.22	0.26
	2.0	36	1.81	0.27	0.31
	2.5	37	2.17	0.31	0.35
	3.0	38	2.71	0.36	0.41
	4.0	40	3.5	0.42	0.49
	5.0	41	4.47	0.51	0.59
	6.0	43	5.23	0.54	0.63
	8.0	43	7.06	0.74	0.85
45	1.5	35	1.54	0.24	0.28
	2.0	37	2.07	0.29	0.34
	2.5	37	2.51	0.35	0.41
	3.0	40	3.09	0.37	0.43
	4.0	42	4.01	0.44	0.51
	5.0	45	5.09	0.48	0.56
	6.0	46	6.01	0.55	0.63
	8.0	47	8.03	0.7	0.81
55 – 75	1.5	35	1.59	0.25	0.29
	2.0	37	2.14	0.3	0.35
	2.5	37	2.6	0.37	0.42
	3.0	40	3.2	0.39	0.44
	4.0	42	4.15	0.45	0.52
	5.0	45	5.27	0.5	0.58
	6.0	46	6.22	0.57	0.65
	8.0	47	8.31	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

Performance data derived from tests that conform with ASAE Standards; ASAE S398.1.
See page 224 for complete ASAE Test Certification Statement.

5000 Plus PRS Std. Angle Rain Curtain™ Nozzle Performance METRIC

Pressure bar	Nozzle	Radius m	Flow m^3/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
1.7	1.5	10.1	0.25	4.20	5	6
	2.0	10.7	0.34	5.40	6	7
	2.5	10.7	0.41	6.60	7	8
	3.0	11.0	0.51	8.40	8	10
	4.0	11.3	0.66	10.80	10	12
	5.0	11.9	0.84	13.80	12	14
	6.0	11.9	0.97	16.20	14	16
	8.0	11.0	1.34	22.20	22	26
2.0	1.5	10.2	0.28	4.80	5	6
	2.0	10.8	0.36	6.00	6	7
	2.5	10.9	0.44	7.20	7	9
	3.0	11.2	0.55	9.00	9	10
	4.0	11.6	0.71	12.00	11	12
	5.0	12.1	0.91	15.00	12	14
	6.0	12.4	1.05	17.40	14	16
	8.0	11.8	1.45	24.00	21	24
2.5	1.5	10.4	0.31	5.40	6	7
	2.0	11.0	0.41	6.60	7	8
	2.5	11.3	0.50	8.40	8	9
	3.0	11.2	0.62	10.20	9	11
	4.0	12.3	0.81	13.20	11	13
	5.0	12.7	1.03	17.40	13	15
	6.0	13.2	1.21	20.40	14	16
	8.0	13.3	1.63	27.00	19	21
3.0	1.5	10.6	0.34	6.00	6	7
	2.0	11.2	0.45	7.80	7	8
	2.5	11.3	0.56	9.60	9	10
	3.0	12.1	0.69	11.40	9	11
	4.0	12.7	0.89	16.80	11	13
	5.0	13.5	1.13	18.60	12	14
	6.0	13.9	1.34	22.20	14	16
	8.0	14.1	1.79	30.00	18	21
3.5 – 5.2	1.5	10.6	0.35	6.00	6	7
	2.0	11.2	0.47	7.80	8	9
	2.5	11.3	0.58	10.20	9	11
	3.0	12.1	0.71	12.00	10	11
	4.0	12.7	0.92	15.60	12	13
	5.0	13.5	1.17	19.20	13	15
	6.0	13.9	1.39	22.80	14	17
	8.0	14.1	1.85	31.20	18	21

5000 Plus PRS Low Angle Nozzle Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	■ Precip In/h	▲ Precip In/h
25	1.0 LA	25	0.76	0.22	0.26
	1.5 LA	27	1.15	0.3	0.35
	2.0 LA	29	1.47	0.34	0.39
	3.0 LA	29	2.23	0.51	0.59
35	1.0 LA	28	0.92	0.21	0.25
	1.5 LA	30	1.38	0.3	0.34
	2.0 LA	31	1.77	0.35	0.41
	3.0 LA	33	2.68	0.47	0.55
45	1.0 LA	29	1.05	0.23	0.26
	1.5 LA	31	1.58	0.32	0.37
	2.0 LA	32	2.02	0.38	0.44
	3.0 LA	35	3.07	0.48	0.56
55 – 75	1.0 LA	29	1.09	0.25	0.29
	1.5 LA	31	1.64	0.33	0.38
	2.0 LA	32	2.09	0.39	0.45
	3.0 LA	35	3.18	0.5	0.58

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 224 for complete ASAE Test Certification Statement.

5000 Plus PRS Low Angle Nozzle Performance METRIC

Pressure bar	Nozzle	Radius m	Flow m^3/h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
1.7	1.0 LA	7.6	0.17	3.00	6	7
	1.5 LA	8.2	0.26	4.20	8	9
	2.0 LA	8.8	0.33	5.40	9	10
	3.0 LA	8.8	0.51	8.40	13	15
2.0	1.0 LA	8.0	0.18	3.00	6	6
	1.5 LA	8.6	0.28	4.80	8	9
	2.0 LA	9.1	0.36	6.00	9	10
	3.0 LA	9.3	0.55	9.00	13	15
2.5	1.0 LA	8.6	0.20	3.60	5	6
	1.5 LA	9.2	0.32	5.40	8	9
	2.0 LA	9.5	0.41	6.60	9	10
	3.0 LA	10.1	0.62	10.20	12	14
3.0	1.0 LA	8.8	0.22	3.60	6	7
	1.5 LA	9.4	0.35	6.00	8	9
	2.0 LA	9.7	0.45	7.80	10	11
	3.0 LA	10.6	0.68	11.40	12	14
3.5 – 5.2	1.0 LA	8.8	0.23	3.60	6	7
	1.5 LA	9.4	0.36	6.00	8	10
	2.0 LA	9.7	0.47	7.80	10	12
	3.0 LA	10.6	0.70	12.00	13	15

Flow Rate v Inlet Pressure – Rain Curtain™ Nozzles