

8005 Nozzle Performance

Pressure psi	Nozzle	Radius ft.	Flow gpm	Precip In/h	Precip In/h
50	● 04	39	3.8	0.48	0.56
	● 06	45	5.6	0.53	0.62
	● 08	49	6.6	0.53	0.61
	● 10	53	9.3	0.64	0.74
	● 12	57	11.1	0.66	0.76
	● 14	59	12.6	0.70	0.81
	● 16	61	14.3	0.74	0.85
	● 18	63	16.1	0.78	0.90
	● 20	65	18.6	0.85	0.98
	● 22	65	20.7	0.94	1.09
	● 24	63	22.3	1.08	1.25
○ 26	65	24.3	1.11	1.28	
60	● 04	39	3.8	0.48	0.56
	● 06	45	6.1	0.58	0.67
	● 08	49	8.4	0.67	0.78
	● 10	53	10.1	0.69	0.80
	● 12	59	12.0	0.66	0.77
	● 14	61	14.3	0.74	0.85
	● 16	65	15.9	0.72	0.84
	● 18	65	17.8	0.81	0.94
	● 20	67	20.1	0.86	1.00
	● 22	71	23.2	0.89	1.02
	● 24	69	24.7	1.00	1.15
○ 26	73	26.7	0.96	1.11	
70	● 04	39	4.7	0.60	0.69
	● 06	45	6.7	0.64	0.74
	● 08	49	9.0	0.72	0.83
	● 10	55	11.1	0.71	0.82
	● 12	59	13.2	0.73	0.84
	● 14	63	15.3	0.74	0.86
	● 16	67	17.2	0.74	0.85
	● 18	67	19.3	0.83	0.96
	● 20	71	22.0	0.84	0.97
	● 22	73	25.2	0.91	1.05
	● 24	75	27.0	0.92	1.07
○ 26	75	29.4	1.01	1.16	
80	● 04	39	5.0	0.63	0.73
	● 06	45	7.1	0.68	0.78
	● 08	49	9.8	0.79	0.91
	● 10	55	11.8	0.75	0.87
	● 12	61	14.2	0.73	0.85
	● 14	63	16.4	0.80	0.92
	● 16	67	18.6	0.80	0.92
	● 18	69	20.9	0.85	0.98
	● 20	71	23.9	0.91	1.05
	● 22	75	27.3	0.93	1.08
	● 24	77	29.2	0.95	1.10
○ 26	79	31.5	0.97	1.12	

Pressure psi	Nozzle	Radius ft.	Flow gpm	Precip In/h	Precip In/h
90	● 12	61	14.7	0.76	0.88
	● 14	65	17.9	0.82	0.94
	● 16	69	20.0	0.81	0.93
	● 18	71	22.2	0.85	0.98
	● 20	73	25.3	0.91	1.06
	● 22	75	29.1	1.00	1.15
	● 24	79	31.0	0.96	1.10
100	○ 26	79	33.7	1.04	1.20
	● 20	75	26.8	0.85	0.97
	● 22	77	30.7	1.00	1.15
	● 24	79	32.8	1.01	1.17
	○ 26	81	36.3	1.07	1.23

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 ASABE Standards; ASABE S398.1. See page 186 for complete ASABE Test Certification Statement.



Sod Cup for 8005

8005 Nozzle Performance						METRIC	
Pressure bar	Nozzle	Radius m	Flow m ³ /h	Flow l/m	■ Precip mm/h	▲ Precip mm/h	
3.5	● 4	11.9	0.86	14.38	12	14	
	● 6	13.7	1.28	21.34	14	16	
	● 8	14.9	1.59	25.50	14	16	
	● 10	16.1	2.10	35.43	16	19	
	● 12	17.5	2.52	42.27	16	19	
	● 14	18.0	2.89	48.18	18	21	
	● 16	18.7	3.28	54.59	19	22	
	● 18	19.2	3.69	61.43	20	23	
	● 20	19.9	4.25	70.83	21	25	
	● 22	20.0	5.08	79.07	25	29	
	● 24	19.3	5.11	85.10	27	32	
○ 26	20.0	5.57	92.67	28	32		
4.0	● 4	11.9	0.93	14.38	13	15	
	● 6	13.7	1.37	22.71	15	17	
	● 8	14.9	1.75	30.44	16	18	
	● 10	16.3	2.30	37.63	17	20	
	● 12	17.7	2.70	44.74	17	20	
	● 14	18.5	3.17	52.85	19	21	
	● 16	19.6	3.54	58.98	18	21	
	● 18	19.7	3.97	66.10	20	24	
	● 20	20.3	4.50	74.95	22	25	
	● 22	21.3	5.23	85.94	23	27	
	● 24	20.7	5.50	91.69	26	30	
○ 26	21.8	6.01	99.26	25	29		
4.5	● 4	11.9	1.00	16.18	14	16	
	● 6	13.7	1.45	24.28	15	18	
	● 8	14.9	1.92	32.99	17	20	
	● 10	16.5	2.40	40.22	18	20	
	● 12	18.0	2.87	47.81	18	20	
	● 14	18.9	3.37	56.12	19	22	
	● 16	20.1	3.77	62.77	19	22	
	● 18	20.1	4.22	70.36	21	24	
	● 20	21.1	4.79	79.87	22	25	
	● 22	22.0	5.51	91.80	23	26	
	● 24	22.0	5.88	98.08	24	28	
○ 26	22.6	6.42	106.44	25	29		
5.0	● 4	11.9	1.06	18.08	15	17	
	● 6	13.7	1.54	25.74	16	19	
	● 8	14.9	2.09	34.83	19	22	
	● 10	16.7	2.50	42.68	18	21	
	● 12	18.3	3.05	50.92	18	21	
	● 14	19.2	3.54	58.96	19	22	
	● 16	20.4	3.99	66.44	19	22	
	● 18	20.6	4.47	74.58	21	24	
	● 20	21.6	5.11	85.08	22	25	
	● 22	22.4	5.84	97.39	23	27	
	● 24	23.0	6.26	104.29	24	27	
○ 26	23.2	6.80	113.28	25	29		

Pressure bar	Nozzle	Radius m	Flow m ³ /h	Flow l/m	■ Precip mm/h	▲ Precip mm/h
5.5	● 4	11.9	1.13	18.90	16	18
	● 6	13.7	1.62	26.84	17	20
	● 8	14.9	2.25	37.02	20	23
	● 10	16.8	2.70	44.60	19	22
	● 12	18.5	3.23	53.66	19	22
	● 14	19.2	3.72	61.98	20	23
	● 16	20.4	4.22	70.28	20	23
	● 18	21.0	4.74	78.97	21	25
	● 20	21.6	5.42	90.30	23	27
	● 22	22.8	6.19	103.15	24	28
	● 24	23.5	6.62	110.33	24	28
○ 26	24.1	7.14	119.05	25	28	
6.0	● 12	18.6	3.30	55.07	19	22
	● 14	19.6	3.96	66.06	21	24
	● 16	20.9	4.45	74.12	20	24
	● 18	21.5	4.95	82.56	21	25
	● 20	22.1	5.65	94.18	23	27
	● 22	22.9	6.71	108.12	26	30
	● 24	23.9	6.92	115.31	24	28
○ 26	24.1	7.50	125.08	26	30	
6.2	● 14	19.8	4.06	67.75	21	24
	● 16	21.0	4.54	75.70	21	24
	● 18	21.7	5.04	84.02	21	25
6.5	● 20	22.5	5.89	98.19	23	27
	● 22	23.4	6.84	112.73	25	29
	● 24	24.1	7.22	120.25	25	29
	○ 26	24.3	7.91	131.76	27	31
6.9	● 20	22.9	6.09	101.43	23	27
	● 22	23.5	6.97	116.19	25	29
	● 24	24.1	7.45	124.14	26	30
	○ 26	24.7	8.24	137.39	27	31

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 ASABE Standards; ASABE S398.1. See page 198 for complete ASABE Test Certification Statement.



Falcon® 6504 Rain Curtain™ Nozzles