

VARIABLE FLOW RATE NOZZLE

Orange Tip



Fine Droplet

Reference Pressure PSI	Nozzle Flow Rate GPM	20" Nozzle Spacing							
		US Gallons / Acre - Based on Water							
		4 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	20 MPH
20	0.10	7.4	5.0	3.7	3.0	2.5	2.1	1.9	1.5
25	0.15	11.1	7.4	5.6	4.5	3.7	3.2	2.8	2.2
30	0.20	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.0
35	0.30	22.3	14.9	11.1	8.9	7.4	6.4	5.6	4.5
40	0.40	29.7	19.8	14.9	11.9	9.9	8.5	7.4	5.9
45	0.45	33.4	22.3	16.7	13.4	11.1	9.5	8.4	6.7
55	0.50	37.1	24.8	18.6	14.9	12.4	10.6	9.3	7.4
60	0.53	39.4	26.2	19.7	15.7	13.1	11.2	9.8	7.9
65	0.55	40.8	27.2	20.4	16.3	13.6	11.7	10.2	8.2
85	0.60	44.6	29.7	22.3	17.8	14.9	12.7	11.1	8.9

Yellow Tip



Medium Droplet

Reference Pressure PSI	Nozzle Flow Rate GPM	20" Nozzle Spacing							
		US Gallons / Acre - Based on Water							
		4 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	20 MPH
15	0.10	7.4	5.0	3.7	3.0	2.5	2.1	1.9	1.5
27	0.15	11.1	7.4	5.6	4.5	3.7	3.2	2.8	2.2
30	0.20	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.0
32	0.25	18.6	12.4	9.3	7.4	6.2	5.3	4.6	3.7
34	0.30	22.3	14.9	11.1	8.9	7.4	6.4	5.6	4.5
38	0.40	29.7	19.8	14.9	11.9	9.9	8.5	7.4	5.9
42	0.50	37.1	24.8	18.6	14.9	12.4	10.6	9.3	7.4
47	0.60	44.6	29.7	22.3	17.8	14.9	12.7	11.1	8.9
55	0.70	52.0	34.7	26.0	20.8	17.3	14.9	13.0	10.4
65	0.80	59.4	39.6	29.7	23.8	19.8	17.0	14.9	11.9
90	1.00	74.3	49.5	37.1	29.7	24.8	21.2	18.6	14.9

Blue or Green Tip



Coarse or Very Coarse Droplet

Reference Pressure PSI	Nozzle Flow Rate GPM	20" Nozzle Spacing							
		US Gallons / Acre - Based on Water							
		4 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	20 MPH
16	0.15	11.1	7.4	5.6	4.5	3.7	3.2	2.8	2.2
20	0.20	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.0
32	0.30	22.3	14.9	11.1	8.9	7.4	6.4	5.6	4.5
35	0.40	29.7	19.8	14.9	11.9	9.9	8.5	7.4	5.9
38	0.50	37.1	24.8	18.6	14.9	12.4	10.6	9.3	7.4
41	0.60	44.6	29.7	22.3	17.8	14.9	12.7	11.1	8.9
44	0.70	52.0	34.7	26.0	20.8	17.3	14.9	13.0	10.4
47	0.80	59.4	39.6	29.7	23.8	19.8	17.0	14.9	11.9
60	1.00	74.3	49.5	37.1	29.7	24.8	21.2	18.6	14.9
65	1.20	89.1	59.4	44.6	35.6	29.7	25.5	22.3	17.8
85	1.50	111.4	74.3	55.7	44.6	37.1	31.8	27.8	22.3

Imperial Gallons / Acre

Orange Tip

Reference Pressure PSI	Nozzle Flow Rate GPM	20" Nozzle Spacing							
		Imperial Gallons / Acre - Based on Water							
		4 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	20 MPH
20	0.10	6.2	4.1	3.1	2.5	2.1	1.8	1.5	1.2
25	0.15	9.3	6.2	4.6	3.7	3.1	2.6	2.3	1.9
30	0.20	12.4	8.2	6.2	4.9	4.1	3.5	3.1	2.5
35	0.30	18.5	12.4	9.3	7.4	6.2	5.3	4.6	3.7
40	0.40	24.7	16.5	12.4	9.9	8.2	7.1	6.2	4.9
45	0.45	27.8	18.5	13.9	11.1	9.3	7.9	7.0	5.6
55	0.50	30.9	20.6	15.5	12.4	10.3	8.8	7.7	6.2
60	0.53	32.8	21.8	16.4	13.1	10.9	9.4	8.2	6.6
65	0.55	34.0	22.7	17.0	13.6	11.3	9.7	8.5	6.8
85	0.60	37.1	24.7	18.5	14.8	12.4	10.6	9.3	7.4

Yellow Tip

Reference Pressure PSI	Nozzle Flow Rate GPM	20" Nozzle Spacing							
		Imperial Gallons / Acre - Based on Water							
		4 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	20 MPH
15	0.10	6.2	4.1	3.1	2.5	2.1	1.8	1.5	1.2
27	0.15	9.3	6.2	4.6	3.7	3.1	2.6	2.3	1.9
30	0.20	12.4	8.2	6.2	4.9	4.1	3.5	3.1	2.5
32	0.25	15.5	10.3	7.7	6.2	5.2	4.4	3.9	3.1
34	0.30	18.5	12.4	9.3	7.4	6.2	5.3	4.6	3.7
38	0.40	24.7	16.5	12.4	9.9	8.2	7.1	6.2	4.9
42	0.50	30.9	20.6	15.5	12.4	10.3	8.8	7.7	6.2
47	0.60	37.1	24.7	18.5	14.8	12.4	10.6	9.3	7.4
55	0.70	43.3	28.9	21.6	17.3	14.4	12.4	10.8	8.7
65	0.80	49.5	33.0	24.7	19.8	16.5	14.1	12.4	9.9
90	1.00	61.8	41.2	30.9	24.7	20.6	17.7	15.5	12.4

Blue or Green Tip

Reference Pressure PSI	Nozzle Flow Rate GPM	20" Nozzle Spacing							
		Imperial Gallons / Acre - Based on Water							
		4 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	20 MPH
16	0.15	9.3	6.2	4.6	3.7	3.1	2.6	2.3	1.9
20	0.20	12.4	8.2	6.2	4.9	4.1	3.5	3.1	2.5
32	0.30	18.5	12.4	9.3	7.4	6.2	5.3	4.6	3.7
35	0.40	24.7	16.5	12.4	9.9	8.2	7.1	6.2	4.9
38	0.50	30.9	20.6	15.5	12.4	10.3	8.8	7.7	6.2
41	0.60	37.1	24.7	18.5	14.8	12.4	10.6	9.3	7.4
44	0.70	43.3	28.9	21.6	17.3	14.4	12.4	10.8	8.7
47	0.80	49.5	33.0	24.7	19.8	16.5	14.1	12.4	9.9
60	1.00	61.8	41.2	30.9	24.7	20.6	17.7	15.5	12.4
65	1.20	74.2	49.5	37.1	29.7	24.7	21.2	18.5	14.8
85	1.50	92.7	61.8	46.4	37.1	30.9	26.5	23.2	18.5

Charts in Metric Units

Orange Tip

Reference Pressure bar	Nozzle Flow Rate l/min	50 cm Nozzle Spacing							
		Liters / hectare - Based on Water							
		6 km/h	7 km/h	8 km/h	10 km/h	12 km/h	15 km/h	20 km/h	25 km/h
1.4	0.38	76	65	57	45	38	30	23	18
1.7	0.57	114	97	85	68	57	45	34	27
2.1	0.76	151	130	114	91	76	61	45	36
2.4	1.14	227	195	170	136	114	91	68	55
2.8	1.51	303	259	227	182	151	121	91	73
3.1	1.70	341	292	255	204	170	136	102	82
3.8	1.89	379	324	284	227	189	151	114	91
4.1	2.01	401	344	301	241	201	160	120	96
4.5	2.08	416	357	312	250	208	167	125	100
5.9	2.27	454	389	341	273	227	182	136	109

Yellow Tip

Reference Pressure bar	Nozzle Flow Rate l/min	50 cm Nozzle Spacing							
		Liters / hectare - Based on Water							
		6 km/h	7 km/h	8 km/h	10 km/h	12 km/h	15 km/h	20 km/h	25 km/h
1.0	0.38	76	65	57	46	38	30	23	18
1.9	0.57	114	97	85	68	57	45	34	27
2.1	0.76	151	130	114	91	76	61	45	36
2.2	0.95	189	162	142	114	95	76	57	45
2.3	1.14	227	195	170	136	114	91	68	55
2.6	1.51	303	259	227	182	151	121	91	73
2.9	1.89	379	324	284	227	189	151	114	91
3.2	2.27	454	389	341	273	227	182	136	109
3.8	2.65	530	454	397	318	265	212	159	127
4.5	3.03	606	519	454	363	303	242	182	145
5.2	3.41	681	584	511	409	341	273	204	164

Blue or Green Tip

Reference Pressure bar	Nozzle Flow Rate l/min	50 cm Nozzle Spacing							
		Liter / hectare - Based on Water							
		6 km/h	7 km/h	8 km/h	10 km/h	12 km/h	15 km/h	20 km/h	25 km/h
1.1	0.57	114	97	85	68	57	45	34	27
1.4	0.76	151	130	114	91	76	61	45	36
2.2	1.14	227	195	170	136	114	91	68	55
2.4	1.51	303	259	227	182	151	121	91	73
2.6	1.89	379	324	284	227	189	151	114	91
2.8	2.27	454	389	341	273	227	182	136	109
3.0	2.65	530	454	397	318	265	212	159	127
3.2	3.03	606	519	454	363	303	242	182	145
4.1	3.79	757	649	568	454	379	303	227	182
4.5	4.54	908	778	681	545	454	363	273	218
5.9	5.68	1136	973	852	681	568	454	341	273