

3.6 APPLICATION RATE CHARTS

TABLE 1 APPLICATION RATE IMPERIAL GALLONS PER ACRE (TIPS 20"SPACING)

TIP SIZE	LIQUID PSI	IGPM /TIP	4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	
800067	XR 20	.042	2.9	2.3	2	1.6	1.5	1.2	1.0	0.83		
	25	.046	3.3	2.6	2.2	1.9	1.7	1.3	1.1	0.9		
	30	.051	3.6	2.8	2.4	2.1	1.8	1.4	1.2	1.0	0.9	
	100 mesh 40	.056	4.1	3.3	2.7	2.3	2.1	1.7	1.4	1.2	1.0	
8001	XR 20	.06	4.4	3.6	2.9	2.5	2.2	1.8	1.5	1.2	1.1	
	25	.07	4.9	3.9	3.2	2.8	2.4	2.1	1.7	1.4	1.2	
	30	.075	5.3	4.3	3.6	3.1	2.6	2.2	1.7	1.5	1.3	
	40	.08	6.2	5.1	4.2	3.5	3.1	2.5	2.1	1.7	1.6	
100 mesh	50	.09	6.9	5.6	4.6	3.9	3.5	2.8	2.3	2.0	1.7	
	60	.1	7.6	6.2	5.1	4.3	3.8	3.1	2.5	2.2	1.9	
	80015	XR 20	.09	6.5	5.3	4.6	4.2	3.6	3.1	2.4	2.1	1.8
		25	.10	7.3	5.9	4.6	4.2	3.6	3.1	2.4	2.1	1.8
30		.11	8.1	6.4	5.3	4.6	4.0	3.3	2.7	2.3	2.0	
40		.12	9.3	7.4	6.1	5.3	4.6	3.8	3.1	2.7	2.3	
100 mesh	50	.14	10.3	8.3	6.9	5.9	5.1	4.2	3.5	3.0	2.6	
	60	.15	11.3	9.1	7.6	6.5	5.6	4.6	3.8	3.2	2.8	
	8002	XR 20	.12	8.8	7.1	5.8	5.0	4.4	3.5	2.9	2.5	2.2
		25	.13	9.8	7.8	6.5	5.6	4.9	3.9	3.2	2.8	2.4
30		.14	10.8	8.6	7.1	6.1	5.3	4.3	3.6	3.1	2.7	
40		.17	12.3	9.8	8.2	7.1	6.1	4.9	4.2	3.5	3.1	
50 mesh	50	.19	13.8	11.1	9.2	7.9	6.9	5.5	4.6	3.9	3.5	
	60	.21	15.1	12.1	10.0	8.6	7.6	6.1	5.1	4.3	3.8	
	80025	XR 20	.15	10.9	8.7	7.3	6.2	5.5	4.4	3.6	3.1	2.7
		25	.16	12.2	9.8	8.1	7.0	6.1	4.9	4.1	3.5	3.1
30		.18	13.4	10.7	8.9	7.6	6.7	5.4	4.5	3.8	3.3	
40		.21	15.5	12.4	10.3	8.8	7.7	6.2	5.2	4.4	3.9	
50 mesh	50	.23	17.3	13.8	11.5	9.9	8.6	6.9	5.8	4.9	4.3	
	60	.25	18.9	15.1	12.6	10.8	9.5	7.6	6.3	5.4	4.7	
	8003	XR 20	.17	13.1	10.5	8.7	7.5	6.6	5.3	4.4	3.7	3.2
		25	.21	14.7	11.8	9.7	8.4	7.3	5.9	4.9	4.2	3.7
30		.22	15.8	12.8	10.7	9.1	8.1	6.4	5.3	4.6	4.0	
40		.25	18.3	14.8	12.4	10.5	9.2	7.4	6.1	5.3	4.6	
50 mesh	50	.28	20.8	16.7	13.8	11.8	10.4	8.3	6.9	5.9	5.1	
	60	.31	22.5	18.3	15.1	12.9	11.3	9.1	7.5	6.5	5.6	
	8004	XR 20	.23	18	14	11.6	10.0	8.7	7.1	5.8	5.0	4.4
		25	.27	20	15.8	13.0	11.1	9.7	7.8	6.5	5.6	4.9
30		.29	22	17.5	14.3	12.2	10.7	8.6	7.1	6.1	5.3	
40		.33	25	20.0	16.4	14.1	12.4	9.9	8.2	7.1	6.1	
50 mesh	50	.37	28	22.5	18.3	15.8	13.8	11.1	9.2	7.9	6.9	
	60	.41	30	24.2	19.9	17.4	15.1	12.2	10.0	8.6	7.6	
	8005	XR 20	.29	22	17.5	14.5	12.5	10.9	8.8	7.3	6.2	5.5
		25	.33	24	19.0	16.3	13.9	12.2	9.8	8.1	7.0	6.1
30		.36	27	21.7	17.4	15.3	13.4	10.8	8.9	7.6	6.6	
40		.42	31	25.0	20.8	17.4	15.4	12.4	10.3	8.8	7.7	
50 mesh	50	.47	35	27.0	23.2	19.9	17.4	13.8	11.5	9.9	8.6	
	60	.51	38	30.0	24.9	21.5	19.1	15.2	12.6	10.8	9.5	
	8006	XR 20	.36	27	21	17	15	13	10.6	8.7	7.5	6.6
		25	.39	29	23	19	17	15	11.7	9.7	8.4	7.3
30		.43	32	26	22	18	16	12.8	10.7	9.1	8.3	
40		.50	37	30	25	21	18	14.8	12.4	10.5	9.2	
50 mesh	50	.56	42	33	27	23	21	16.5	13.8	11.8	10.4	
	60	.61	46	36	30	26	22	18.0	15.1	12.9	11.3	
	8008	XR 20	.47	35	28	23	20	17	14	11.6	10.0	8.7
		25	.52	39	31	26	22	19	16	13.0	11.1	9.7
30		.57	43	34	28	24	22	17	14.3	12.2	10.7	
40		.66	49	40	33	28	25	20	16.4	14.1	12.4	
50 mesh	50	.74	55	44	37	32	27	22	18.3	15.8	13.8	
	60	.81	60	48	41	35	30	24	20.0	17.4	15.0	
	8010	XR 20	.59	44	35	29	25	22	17	14.5	12.5	10.9
		25	.65	49	39	32	28	24	19	16	13.9	12.2
30		.72	53	42	36	31	27	22	17	15.3	13.4	
40		.83	61	49	42	35	31	25	21	17.4	15.4	
50 mesh	60	1.02	76	61	51	43	37	30	25	22.0	19.0	

TABLE 2 APPLICATION RATE US GALLONS PER ACRE

(TIPS 20"SPACING)

TIP SIZE	LIQUID PSI	USGPM /TIP	4 MPH	5 MPH	6 MPH	7 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH
XR 800067	20	.05	3.5	2.8	2.4	2.0	1.8	1.4	1.2	1.0	
	25	.055	3.9	3.2	2.6	2.3	2.0	1.6	1.3	1.1	
	30	.06	4.3	3.5	2.9	2.5	2.2	1.7	1.4	1.2	1.1
	40	.067	5.0	4.0	3.3	2.8	2.5	2.0	1.7	1.4	1.2
100 mesh	50	.07	5.6	4.5	3.7	3.2	2.8	2.2	1.9	1.6	1.4
	60	.08	6.1	4.9	4.1	3.5	3.1	2.4	2.0	1.7	1.5
XR 8001	20	.07	5.3	4.2	3.5	3.0	2.6	2.1	1.8	1.5	1.3
	25	.08	5.9	4.7	3.9	3.4	2.9	2.4	2.0	1.7	1.5
	30	.09	6.4	5.1	4.3	3.7	3.2	2.6	2.1	1.8	1.6
	40	.10	7.4	5.9	5.0	4.2	3.7	3.0	2.5	2.1	1.9
100 mesh	50	.11	8.3	6.6	5.5	4.7	4.2	3.3	2.8	2.4	2.1
	60	.12	9.1	7.3	6.1	5.2	4.6	3.6	3.0	2.6	2.3
XR 80015	20	.11	7.9	6.3	5.3	4.5	3.9	3.2	2.6	2.3	2.0
	25	.12	8.8	7.0	5.9	5.0	4.4	3.5	2.9	2.5	2.2
	30	.13	9.7	7.7	6.4	5.5	4.8	3.9	3.2	2.8	2.4
	40	.15	11.1	8.9	7.4	6.4	5.6	4.5	3.7	3.2	2.8
100 mesh	50	.17	12.5	10.0	8.3	7.1	6.2	5.0	4.2	3.6	3.1
	60	.18	13.6	10.9	9.1	7.8	6.8	5.5	4.6	3.9	3.4
XR 8002	20	.14	10.5	8.4	7.0	6.0	5.3	4.2	3.5	3.0	2.6
	25	.16	11.7	9.4	7.8	6.7	5.9	4.7	3.9	3.4	2.9
	30	.17	12.9	10.3	8.6	7.4	6.4	5.1	4.3	3.7	3.2
	40	.20	14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	3.7
50 mesh	50	.23	16.6	13.3	11.1	9.5	8.3	6.6	5.5	4.7	4.2
	60	.25	18.2	14.6	12.1	10.4	9.1	7.3	6.1	5.2	4.6
XR 80025	20	.18	13.1	10.5	8.8	7.5	6.6	5.3	4.4	3.8	3.3
	25	.20	14.7	11.7	9.8	8.4	7.3	5.9	4.9	4.2	3.7
	30	.22	16.1	12.9	10.7	9.2	8.0	6.4	5.4	4.6	4.0
	40	.25	18.6	14.9	12.4	10.6	9.3	7.4	6.2	5.3	4.6
50 mesh	50	.28	20.8	16.6	13.8	11.9	10.4	8.3	6.9	5.9	5.2
	60	.31	22.7	18.2	15.2	13.0	11.4	9.1	7.6	6.5	5.7
XR 8003	20	.21	15.8	12.6	10.5	9.0	7.9	6.3	5.3	4.5	3.9
	25	.24	17.6	14.1	11.7	10.1	8.8	7.0	5.9	5.0	4.4
	30	.26	19	15.4	12.9	11.0	9.7	7.7	6.4	5.5	4.8
	40	.30	22	17.8	14.9	12.7	11.1	8.9	7.4	6.4	5.6
50 mesh	50	.34	25	19.9	16.6	14.2	12.5	10.0	8.3	7.1	6.2
	60	.37	27	22.0	18.2	15.6	13.6	10.9	9.1	7.8	6.8
XR 8004	20	.28	21	16.8	14.0	12.0	10.5	8.4	7.0	6.0	5.3
	25	.32	23	18.8	15.7	13.4	11.7	9.4	7.8	6.7	5.9
	30	.35	26	21.0	17.2	14.7	12.9	10.3	8.6	7.4	6.4
	40	.40	30	24	19.8	17.0	14.9	11.9	9.9	8.5	7.4
50 mesh	50	.45	33	27	22	19.0	16.5	13.3	11.1	9.5	8.3
	60	.49	36	29	24	21.0	18.2	14.6	12.1	10.4	9.1
XR 8005	20	.35	26	21	17.5	15.0	13.1	10.5	8.8	7.5	6.6
	25	.40	29	23	19.5	16.8	14.7	11.7	9.8	8.4	7.3
	30	.43	32	26	21	18.4	16.1	12.9	10.7	9.2	8.0
	40	.50	37	30	25	21	18.6	14.9	12.4	10.6	9.3
50 mesh	50	.56	42	33	28	24	20.0	16.6	13.8	11.9	10.4
	60	.61	45	36	30	26	23.0	18.2	15.2	13.0	11.4
XR 8006	20	.42	32	25	21	18	15.8	12.6	10.5	9.0	7.9
	25	.47	35	28	23	20	17.8	14.1	11.7	10.0	8.8
	30	.52	39	31	26	22	19.3	15.4	12.9	11.0	9.7
	40	.60	45	36	30	25	22	17.8	14.9	12.7	11.1
50 mesh	50	.67	50	40	33	28	25	19.9	16.5	14.2	12.5
	60	.74	55	44	36	31	27	22.0	18.2	15.6	13.6
XR 8008	20	.57	42	34	28	24	21	16.8	14.0	12.0	10.5
	25	.63	47	38	31	27	23	18.8	15.7	13.4	11.7
	30	.69	52	41	34	29	26	21	17.2	14.7	12.9
	40	.80	59	48	40	34	30	24	19.8	17.0	14.9
50 mesh	50	.89	66	53	44	38	33	27	22.0	19	16.5
	60	.98	73	58	49	42	36	29	24.0	21	18.2
XR 8010	20	.71	53	42	35	30	26	21	17.5	15	13.1
	25	.79	59	47	39	34	29	23	19.5	16.8	14.7
	30	.87	64	51	43	37	32	30	25	21	18.6
	40	1.00	74	59	50	42	37	30	25	21	18.6
50 mesh	50	1.12	83	66	55	47	42	33	28	24	21
	60	1.23	91	73	61	52	45	36	30	26	23

TABLE 3 APPLICATION RATE *LITERS PER HECTARE* (TIPS 50 CM SPACING)

TIP SIZE	LIQUID kPA	I/M /tip	6 km/h	8 kmph	10 km/h	12 km/h	14 km/h	16 MPH	18 km/h	20 km/h	24 km/h
XR	150	.19	37	38	22	18.7	16.0	14.0	12.4	11.2	9.3
800067	200	.22	43	32	26	22	18.5	16.2	14.4	12.9	10.8
	250	.24	48	36	29	24	21	18.1	16.1	14.5	12.0
	300	.26	53	40	32	26	23	19.8	17.6	15.8	13.2
100	350	.29	57	43	34	29	24	21	19	17.1	14.3
mesh	400	.31	61	46	37	30	26	23	20	18.3	15.2
XR	150	.28	56	42	33	28	24	21	18.6	16.7	13.9
8001	200	.32	64	48	39	32	28	24	21	19.3	16.1
	250	.36	72	54	43	36	31	27	24	22	18.0
	300	.39	79	59	47	39	34	30	26	24	19.7
100	350	.43	85	64	51	43	37	32	28	26	21
mesh	400	.46	91	68	55	46	39	34	30	27	23
XR	150	.42	84	63	50	42	36	31	28	25	21
80015	200	.48	97	72	58	48	41	36	32	29	24
	250	.54	108	81	65	54	46	40	36	32	27
	300	.59	118	89	71	59	51	44	39	35	30
100	350	.64	128	96	77	64	55	48	43	38	32
mesh	400	.68	137	102	82	68	59	51	46	41	34
XR	150	.56	112	84	67	56	48	42	37	34	28
8002	200	.65	129	97	77	64	55	48	43	39	32
	250	.72	144	108	86	72	62	54	48	43	36
	300	.79	158	118	95	79	68	69	53	47	39
50	350	.85	171	128	102	85	73	64	57	51	43
mesh	400	.91	182	137	109	91	78	68	61	55	46
XR	150	.70	139	104	84	70	60	52	46	42	35
80025	200	.80	161	121	97	80	69	60	54	48	40
	250	.90	180	135	108	90	77	67	60	54	45
	300	.99	197	148	118	99	84	74	66	59	49
50	350	1.06	213	160	128	106	91	80	71	64	53
mesh	400	1.14	227	171	136	114	97	85	76	68	57
XR	150	0.84	167	126	100	84	72	63	56	50	42
8003	200	0.97	193	145	116	97	83	72	64	58	48
	250	1.08	220	162	130	108	93	81	72	65	54
	300	1.18	240	178	142	118	101	89	79	71	59
50	350	1.28	260	192	153	128	110	96	85	77	64
mesh	400	1.37	270	210	164	137	117	103	91	82	68
XR	150	1.12	220	167	134	112	96	84	74	67	56
8004	200	1.29	260	193	155	129	111	97	86	77	64
	250	1.44	290	220	173	144	124	108	96	86	72
	300	1.58	320	240	189	158	135	118	105	95	79
50	350	1.71	340	260	200	171	146	128	114	102	85
mesh	400	1.82	360	270	220	182	156	137	122	109	91
XR	150	1.40	280	210	167	140	120	105	93	84	70
8005	200	1.61	320	240	193	161	138	121	107	97	81
	250	1.80	360	270	220	180	154	135	120	108	90
	300	1.97	390	300	240	197	169	148	132	118	99
50	350	2.13	430	320	260	210	183	160	142	128	107
mesh	400	2.28	460	340	270	230	195	171	152	137	114
XR	150	1.68	330	250	200	167	144	126	112	100	84
8006	200	1.93	390	290	230	193	166	145	129	116	97
	250	2.16	430	320	260	220	185	162	144	130	108
	300	2.37	470	360	280	240	200	178	158	142	118
50	350	2.56	510	380	310	260	220	192	171	154	128
mesh	400	2.74	550	410	330	270	230	210	182	164	137
XR	150	2.23	450	330	270	220	191	167	149	134	112
8008	200	2.58	520	390	310	260	220	193	172	155	129
	250	2.88	580	430	350	290	250	220	192	173	144
	300	3.16	630	470	380	320	270	240	210	189	158
50	350	3.41	680	510	410	340	290	260	230	200	170
mesh	400	3.65	730	550	440	360	310	270	240	220	182
XR	150	2.79	560	420	330	280	240	210	186	167	140
8010	200	3.22	640	480	390	320	280	240	210	193	161
	250	3.60	720	540	430	360	310	270	240	220	180
	300	3.95	790	590	470	390	340	300	260	240	197
50	350	4.26	850	640	510	430	370	320	280	260	210
mesh	400	4.56	910	680	550	460	390	340	300	270	230

