



# HYPRO®

SPRAY PRODUCTS

## Hi-Flow Spray Tips

140° Wide Angle Drift Reducing Tip



### FEATURES & BENEFITS:

- Excellent for high volume coverage or high speed applications
- 140° pattern ensures unmatched uniformity across the spray boom and throughout the entire pressure range (20-80 psi)
- Wide spray angle (140°) allows for lower spray height to reduce drift or wide nozzle spacing to match existing equipment
- Droplets under 100 microns are controlled to minimize fertilizer burn or pre-emerge drift
- Patented straight-through design reduces clogging and easily fits directly on standard nozzle bodies
- FastCap™ design adds convenience and protects handlers from residues
- Available in sizes 08 through 60 to achieve the volumes needed to apply crop fertilizer and maintain quality turfgrass



*Hi-Flow tips are ideal for pre-emerge fertilizer for a range of spray applications in turf.*



*Hi-Flow tips are ideal for pre-emerge fertilizer in crop spraying.*



*Hi-Flow tips produce extremely coarse droplets in a wide, tapered fan pattern to deliver spray more uniformly and more on target than flood-style tips.*

# Hi-Flow Spray Tips

## SPECIFICATIONS

20" Spacing

Spray Tip	Droplet Size	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre MPH										GAL/1000 Ft <sup>2</sup> MPH				
				4	5	6	7	8	10	12	14	16	18	20	2	3	4	5
HF140-08	XC	20	0.57	42	34	28	24	21	16.9	14.1	12.1	10.6	9.4	8.5	1.94	1.30	0.97	0.78
	XC	30	0.69	51	41	34	29	26	20	17.1	14.6	12.8	11.4	10.2	2.35	1.57	1.18	0.94
	XC	<b>40</b>	<b>0.80</b>	59	48	40	34	30	24	19.8	17.0	14.9	13.2	11.9	2.73	1.82	1.36	1.09
	XC	50	0.89	66	53	44	38	33	26	22	18.9	16.5	14.7	13.2	3.03	2.02	1.52	1.21
	XC	60	0.98	73	58	49	42	36	29	24	21	18.2	16.2	14.6	3.34	2.23	1.67	1.34
	XC	80	1.13	84	67	56	48	42	34	28	24	21	18.6	16.8	3.61	2.41	1.81	1.45
HF140-10	XC	20	0.71	53	42	35	30	26	21	17.6	15.1	13.2	11.7	10.5	2.42	1.61	1.21	0.97
	XC	30	0.87	65	52	43	37	32	26	22	18.5	16.1	14.4	12.9	2.97	1.98	1.48	1.19
	XC	<b>40</b>	<b>1.00</b>	74	59	50	42	37	30	25	21	18.6	16.5	14.9	3.41	2.27	1.71	1.36
	XC	50	1.12	83	67	55	48	42	33	28	24	21	18.5	16.6	3.82	2.55	1.91	1.53
	XC	60	1.22	91	72	60	52	45	36	30	26	23	20	18.1	4.16	2.77	2.08	1.66
	XC	80	1.41	105	84	70	60	52	42	35	30	26	23	21	4.50	3.00	2.25	1.80
HF140-15	XC	20	1.06	79	63	52	45	39	31	26	22	19.7	17.5	15.7	3.61	2.41	1.81	1.45
	XC	30	1.30	97	77	64	55	48	39	32	28	24	21	19.3	4.43	2.96	2.22	1.77
	XC	<b>40</b>	<b>1.50</b>	111	89	74	64	56	45	37	32	28	25	22	5.12	3.41	2.56	2.05
	XC	50	1.68	125	100	83	71	62	50	42	36	31	28	25	5.73	3.82	2.86	2.29
	XC	60	1.84	137	109	91	78	68	55	46	39	34	30	27	6.27	4.18	3.14	2.51
	XC	80	2.12	157	126	105	90	79	63	52	45	39	35	31	7.23	4.82	3.61	2.89
HF140-20	XC	20	1.41	105	84	70	60	52	42	35	30	26	23	21	4.81	3.21	2.40	1.92
	XC	30	1.73	128	103	86	73	64	51	43	37	32	29	26	5.90	3.93	2.95	2.36
	XC	<b>40</b>	<b>2.00</b>	149	119	99	85	74	59	50	42	37	33	30	6.82	4.55	3.41	2.73
	XC	50	2.24	166	133	111	95	83	67	55	48	42	37	33	7.64	5.09	3.82	3.06
	XC	60	2.45	182	146	121	104	91	73	61	52	45	40	36	8.35	5.57	4.18	3.34
	XC	80	2.83	210	168	140	120	105	84	70	60	53	47	42	9.04	6.02	4.52	3.61
HF140-30	XC	20	2.12	157	126	105	90	79	63	52	45	39	35	31	7.23	4.82	3.61	2.89
	XC	30	2.60	193	154	129	110	97	77	64	55	48	43	39	8.87	5.91	4.43	3.55
	XC	<b>40</b>	<b>3.00</b>	223	178	149	127	111	89	74	64	56	50	45	10.23	6.82	5.12	4.09
	XC	50	3.35	249	199	166	142	124	99	83	71	62	55	50	11.42	7.62	5.71	4.57
	XC	60	3.67	272	218	182	156	136	109	91	78	68	61	54	12.51	8.34	6.26	5.01
	XC	80	4.24	315	252	210	180	157	126	105	90	79	70	63	13.54	9.03	6.77	5.42
HF140-40	XC	20	2.83	210	168	140	120	105	84	70	60	53	47	42	9.65	6.43	4.83	3.86
	XC	30	3.46	257	206	171	147	128	103	86	73	64	57	51	11.80	7.87	5.90	4.72
	XC	<b>40</b>	<b>4.00</b>	297	238	198	170	149	119	99	85	74	66	59	13.64	9.09	6.82	5.46
	XC	50	4.47	332	266	221	190	166	133	111	95	83	74	66	15.24	10.16	7.62	6.10
	XC	60	4.90	364	291	243	208	182	146	121	104	91	81	73	16.71	11.14	8.35	6.68
	XC	80	5.66	420	336	280	240	210	168	140	120	105	93	84	18.04	12.03	9.02	7.22
HF140-50	XC	20	3.54	263	210	175	150	131	105	88	75	66	58	53	12.07	8.05	6.04	4.83
	XC	30	4.33	322	257	214	184	161	129	107	92	80	71	64	14.77	9.84	7.38	5.91
	XC	<b>40</b>	<b>5.00</b>	371	297	248	212	186	149	124	106	93	83	74	17.05	11.37	8.53	6.82
	XC	50	5.59	415	332	277	237	208	166	138	119	104	92	83	19.06	12.71	9.53	7.62
	XC	60	6.12	454	364	303	260	227	182	151	130	114	101	91	20.87	13.91	10.43	8.35
	XC	80	7.07	525	420	350	300	262	210	175	150	131	117	105	22.54	15.03	11.27	9.02
HF140-60	XC	20	4.24	315	252	210	180	157	126	105	90	79	70	63	14.46	9.64	7.23	5.78
	XC	30	5.20	386	309	257	221	193	154	129	110	97	86	77	17.73	11.82	8.87	7.09
	XC	<b>40</b>	<b>6.00</b>	446	356	297	255	223	178	149	127	111	99	89	20.46	13.64	10.23	8.18
	XC	50	6.71	498	399	332	285	249	199	166	142	125	111	100	22.88	15.25	11.44	9.15
	XC	60	7.35	546	437	364	312	273	218	182	156	136	121	109	25.06	16.71	12.53	10.03
	XC	80	8.49	630	504	420	360	315	252	210	180	158	140	126	27.08	18.05	13.54	10.83



## Pentair Water

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