



# HYPRO®

SPRAY PRODUCTS

## Hi-Flow Spray Tips

140° Wide Angle Drift Reducing Tip



### FEATURES & BENEFITS:

- Ideal for pre-emerge application of fertilizers
- 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.

Ideal for:



# Hi-Flow Spray Tips

## SPECIFICATIONS

Tip Size	Droplet Size 140°	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing MPH										GAL/1000ft <sup>2</sup> 20 inch nozzle spacing				
				4	5	6	8	10	12	15	20	2	3	4	5			
08	XC	20	0.57	42.3	33.9	28.2	21.2	16.9	14.1	11.3	8.5	1.94	1.30	0.97	0.78			
	XC	30	0.69	51.2	41.0	34.2	25.6	20.5	17.1	13.7	10.2	2.35	1.57	1.18	0.94			
	XC	40	<b>0.80</b>	59.4	47.5	39.6	29.7	23.8	19.8	15.8	11.9	2.73	1.82	1.36	1.09			
	XC	50	0.89	66.1	52.9	44.1	33.0	26.4	22.0	17.6	13.2	3.03	2.02	1.52	1.21			
	XC	60	0.98	72.8	58.2	48.5	36.4	29.1	24.3	19.4	14.6	3.34	2.23	1.67	1.34			
	XC	80	1.06	78.7	63.0	52.5	39.4	31.5	26.2	21.0	15.7	3.61	2.41	1.81	1.45			
10	XC	20	0.71	52.7	42.2	35.1	26.4	21.1	17.6	14.1	10.5	2.42	1.61	1.21	0.97			
	XC	30	0.87	64.6	51.7	43.1	32.3	25.8	21.5	17.2	12.9	2.97	1.98	1.48	1.19			
	XC	40	<b>1.00</b>	74.3	59.4	49.5	37.1	29.7	24.8	19.8	14.9	3.41	2.27	1.71	1.36			
	XC	50	1.12	83.2	66.5	55.4	41.6	33.3	27.7	22.2	16.6	3.82	2.55	1.91	1.53			
	XC	60	1.22	90.6	72.5	60.4	45.3	36.2	30.2	24.2	18.1	4.16	2.77	2.08	1.66			
	XC	80	1.41	105	83.8	69.8	52.3	41.9	34.9	27.9	20.9	4.81	3.21	2.40	1.92			
15	XC	20	1.06	78.7	63.0	52.5	39.4	31.5	26.2	21.0	15.7	3.61	2.41	1.81	1.45			
	XC	30	1.30	96.5	77.2	64.4	48.3	38.6	32.2	25.7	19.3	4.43	2.96	2.22	1.77			
	XC	40	<b>1.50</b>	111	89.1	74.3	55.7	44.6	37.1	29.7	22.3	5.12	3.41	2.56	2.05			
	XC	50	1.68	125	99.8	83.2	62.4	49.9	41.6	33.3	24.9	5.73	3.82	2.86	2.29			
	XC	60	1.84	137	109	91.1	68.3	54.6	45.5	36.4	27.3	6.27	4.18	3.14	2.51			
	XC	80	2.12	157	126	105	78.7	63.0	52.5	42.0	31.5	7.23	4.82	3.61	2.89			
20	XC	20	1.41	105	83.8	69.8	52.3	41.9	34.9	27.9	20.9	4.81	3.21	2.40	1.92			
	XC	30	1.73	128	103	85.6	64.2	51.4	42.8	34.3	25.7	5.90	3.93	2.95	2.36			
	XC	40	<b>2.00</b>	149	119	99.0	74.3	59.4	49.5	39.6	29.7	6.82	4.55	3.41	2.73			
	XC	50	2.24	166	133	111	83.2	66.5	55.4	44.4	33.3	7.64	5.09	3.82	3.06			
	XC	60	2.45	182	146	121	91.0	72.8	60.6	48.5	36.4	8.35	5.57	4.18	3.34			
	XC	80	2.83	210	168	140	105	84.1	70.0	56.0	42.0	9.04	6.02	4.52	3.61			
30	XC	20	2.12	157	126	105	78.7	63.0	52.5	42.0	31.5	7.23	4.82	3.61	2.89			
	XC	30	2.60	193	154	129	96.5	77.2	64.4	51.5	38.6	8.87	5.91	4.43	3.55			
	XC	40	<b>3.00</b>	223	178	149	111	89.1	74.3	59.4	44.6	10.2	6.82	5.12	4.09			
	XC	50	3.35	249	199	166	124	99.5	82.9	66.3	49.7	11.4	7.62	5.71	4.57			
	XC	60	3.67	272	218	182	136	109	90.8	72.7	54.5	12.5	8.34	6.26	5.01			
	XC	80	4.24	315	252	210	157	126	105	84.0	63.0	14.5	9.64	7.23	5.78			
40	XC	20	2.83	210	168	140	105	84.1	70.0	56.0	42.0	9.65	6.43	4.83	3.86			
	XC	30	3.46	257	206	171	128	103	85.6	68.5	51.4	11.8	7.87	5.90	4.72			
	XC	40	<b>4.00</b>	297	238	198	149	119	99.0	79.2	59.4	13.6	9.09	6.82	5.46			
	XC	50	4.47	332	266	221	166	133	111	88.5	66.4	15.2	10.2	7.62	6.10			
	XC	60	4.90	364	291	243	182	146	121	97.0	72.8	16.7	11.1	8.35	6.68			
	XC	80	5.29	393	314	262	196	157	131	105	78.6	18.0	12.0	9.02	7.22			
50	XC	20	5.66	420	336	280	210	168	140	112	84.1	19.3	12.9	9.65	7.72			
	XC	30	3.54	263	210	175	131	105	87.6	70.1	52.6	12.1	8.05	6.04	4.83			
	XC	40	<b>5.00</b>	322	257	214	161	129	107	85.7	64.3	14.8	9.84	7.38	5.91			
	XC	50	3.71	297	248	186	149	124	99.0	74.3	54.5	17.1	11.4	8.53	6.82			
	XC	60	5.59	415	332	277	208	166	138	111	83.0	19.1	12.7	9.53	7.62			
	XC	80	6.12	454	364	303	227	182	151	121	90.9	20.9	13.9	10.4	8.35			
60	XC	20	6.61	491	393	327	245	196	164	131	98.2	22.5	15.0	11.3	9.02			
	XC	30	7.07	525	420	350	262	210	175	140	105	24.1	16.1	12.1	9.64			
	XC	40	4.24	315	252	210	157	126	105	84.0	63.0	14.5	9.64	7.23	5.78			
	XC	50	5.20	386	309	257	193	154	129	103	77.2	17.7	11.8	8.87	7.09			
	XC	60	6.00	446	356	297	223	178	149	119	89.1	20.5	13.6	10.2	8.18			
	XC	80	6.71	498	399	332	249	199	166	133	99.6	22.9	15.3	11.4	9.15			
60	XC	60	7.35	546	437	364	273	218	182	146	109	25.1	16.7	12.5	10.0			
	XC	70	7.94	590	472	393	295	236	197	157	118	27.1	18.1	13.5	10.8			
	XC	80	8.49	630	504	420	315	252	210	168	126	29.0	19.3	14.5	11.6			

Features	
Common Use	Fertilizer
Pattern	Tapered Flat Fan
Technology	Pre-Orifice
Material	Polyacetal
Spray Angle	140°
Pressure Range	20-80 PSI
Configuration	FastCap

Application Selection Guide	
Foliar Contact	-
Foliar Systemic	Excellent at High Volume
Soil Applied	Excellent
Drift Control	Excellent

Part Numbers	
FastCaps 140°	
	HF140-08
	HF140-10
	HF140-15
	HF140-20
	HF140-30
	HF140-40
	HF140-50
	HF140-60

Replacement Cap Gasket	
	65-BS205



**Pentair**

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