

# DEFLECTIP 80°-160°

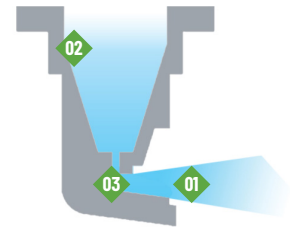


The DeflecTip wide-angle flood fan nozzle creates a wide pattern at very low pressures while creating mainly medium and coarse droplets. It is well suited for mounting on machinery where a wide angle or a low spray height is desired and on sprayers using very low pressures, including manual sprayers.

- ◆ Sprays at very low pressures
- ◆ Medium to coarse spray is suited for a variety of applications
- ◆ Larger sizes are suitable for liquid fertilizer applications
- ◆ Large circular orifice reduces the chances of blocking
- ◆ For use of single nozzles with knapsack/backpack sprayers (See page 196)

## US UNITS

Nozzle Size	Droplet Size	Spray Angle @ 22 psi	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing										GAL/1000ft <sup>2</sup>			
					MPH										20 inch nozzle spacing			
					4	5	6	8	10	12	15	20	2	3	4	5		
0.5	VC	80°	10	0.05	3.7	3.0	2.5	1.9	1.5	1.2	1.0	0.7	0.17	0.11	0.09	0.07		
	M		20	0.07	5.3	4.2	3.5	2.6	2.1	1.8	1.4	1.1	0.24	0.16	0.12	0.10		
	F		30	0.09	6.4	5.1	4.3	3.2	2.6	2.1	1.7	1.3	0.30	0.20	0.15	0.12		
	F		40	0.10	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14		
	F		50	0.11	8.3	6.6	5.5	4.2	3.3	2.8	2.2	1.7	0.38	0.25	0.19	0.15		
	F		60	0.12	9.1	7.3	6.1	4.5	3.6	3.0	2.4	1.8	0.42	0.28	0.21	0.17		
0.75	XC	95°	10	0.08	5.6	4.5	3.7	2.8	2.2	1.9	1.5	1.1	0.26	0.17	0.13	0.10		
	M		20	0.11	7.9	6.3	5.3	3.9	3.2	2.6	2.1	1.6	0.36	0.24	0.18	0.14		
	M		30	0.13	9.6	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18		
	F		40	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20		
	F		50	0.17	12.5	10.0	8.3	6.2	5.0	4.2	3.3	2.5	0.57	0.38	0.29	0.23		
	F		60	0.18	13.6	10.9	9.1	6.8	5.5	4.5	3.6	2.7	0.63	0.42	0.31	0.25		
1.0	C	105°	10	0.10	7.4	5.9	5.0	3.7	3.0	2.5	2.0	1.5	0.34	0.23	0.17	0.14		
	M		20	0.14	10.5	8.4	7.0	5.3	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19		
	F		30	0.17	12.9	10.3	8.6	6.4	5.1	4.3	3.4	2.6	0.59	0.39	0.30	0.24		
	F		40	0.20	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27		
	F		50	0.22	16.6	13.3	11.1	8.3	6.6	5.5	4.4	3.3	0.76	0.51	0.38	0.30		
	F		60	0.24	18.2	14.5	12.1	9.1	7.3	6.1	4.8	3.6	0.84	0.56	0.42	0.33		
1.5	VC	105°	10	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.0	2.2	0.51	0.34	0.26	0.20		
	M		20	0.21	15.8	12.6	10.5	7.9	6.3	5.3	4.2	3.2	0.72	0.48	0.36	0.29		
	M		30	0.26	19.3	15.4	12.9	9.6	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35		
	F		40	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41		
	F		50	0.34	24.9	19.9	16.6	12.5	10.0	8.3	6.6	5.0	1.14	0.76	0.57	0.46		
	F		60	0.37	27.3	21.8	18.2	13.6	10.9	9.1	7.3	5.5	1.25	0.84	0.63	0.50		
2.0	M	105°	10	0.20	14.9	11.9	9.9	7.4	5.9	5.0	4.0	3.0	0.68	0.45	0.34	0.27		
	M		20	0.28	21.0	16.8	14.0	10.5	8.4	7.0	5.6	4.2	0.96	0.64	0.48	0.39		
	M		30	0.35	25.7	20.6	17.1	12.9	10.3	8.6	6.9	5.1	1.18	0.79	0.59	0.47		
	F		40	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55		
	F		50	0.45	33.2	26.6	22.1	16.6	13.3	11.1	8.9	6.6	1.52	1.02	0.76	0.61		
	F		60	0.49	36.4	29.1	24.2	18.2	14.5	12.1	9.7	7.3	1.67	1.11	0.84	0.67		
2.5	C	110°	10	0.25	18.6	14.9	12.4	9.3	7.4	6.2	5.0	3.7	0.85	0.57	0.43	0.34		
	M		20	0.35	26.3	21.0	17.5	13.1	10.5	8.8	7.0	5.3	1.21	0.80	0.60	0.48		
	M		30	0.43	32.2	25.7	21.4	16.1	12.9	10.7	8.6	6.4	1.48	0.98	0.74	0.59		
	M		40	0.50	37.1	29.7	24.8	18.6	14.9	12.4	9.9	7.4	1.70	1.14	0.85	0.68		
	F		50	0.56	41.5	33.2	27.7	20.8	16.6	13.8	11.1	8.3	1.91	1.27	0.95	0.76		
	F		60	0.61	45.5	36.4	30.3	22.7	18.2	15.2	12.1	9.1	2.09	1.39	1.04	0.84		
3.0	C	110°	10	0.30	22.3	17.8	14.9	11.1	8.9	7.4	5.9	4.5	1.02	0.68	0.51	0.41		
	M		20	0.42	31.5	25.2	21.0	15.8	12.6	10.5	8.4	6.3	1.45	0.96	0.72	0.58		
	M		30	0.52	38.6	30.9	25.7	19.3	15.4	12.9	10.3	7.7	1.77	1.18	0.89	0.71		
	M		40	0.60	44.6	35.6	29.7	22.3	17.8	14.9	11.9	8.9	2.05	1.36	1.02	0.82		
	M		50	0.67	49.8	39.8	33.2	24.9	19.9	16.6	13.3	10.0	2.29	1.52	1.14	0.91		
	M		60	0.73	54.6	43.6	36.4	27.3	21.8	18.2	14.5	10.9	2.51	1.67	1.25	1.00		
4.0	M	120°	10	0.40	29.7	23.8	19.8	14.9	11.9	9.9	7.9	5.9	1.36	0.91	0.68	0.55		
	M		20	0.57	42.0	33.6	28.0	21.0	16.8	14.0	11.2	8.4	1.93	1.29	0.96	0.77		
	M		30	0.69	51.4	41.2	34.3	25.7	20.6	17.1	13.7	10.3	2.36	1.57	1.18	0.94		
	M		40	0.80	59.4	47.5	39.6	29.7	23.8	19.8	15.8	11.9	2.73	1.82	1.36	1.09		
	M		50	0.89	66.4	53.1	44.3	33.2	26.6	22.1	17.7	13.3	3.05	2.03	1.52	1.22		
	F		60	0.98	72.7	58.2	48.5	36.4	29.1	24.2	19.4	14.5	3.34	2.23	1.67	1.34		
5.0	M	125°	10	0.50	37.1	29.7	24.8	18.6	14.9	12.4	9.9	7.4	1.70	1.14	0.85	0.68		
	M		20	0.71	52.5	42.0	35.0	26.3	21.0	17.5	14.0	10.5	2.41	1.61	1.21	0.96		
	M		30	0.87	64.3	51.4	42.9	32.2	25.7	21.4	17.1	12.9	2.95	1.97	1.48	1.18		
	M		40	1.00	74.3	59.4	49.5	37.1	29.7	24.8	19.8	14.9	3.41	2.27	1.70	1.36		
	F		50	1.12	83.0	66.4	55.3	41.5	33.2	27.7	22.1	16.6	3.81	2.54	1.91	1.52		
	F		60	1.22	90.9	72.7	60.6	45.5	36.4	30.3	24.2	18.2	4.18	2.78	2.09	1.67		
7.5	C	145°	10	0.75	55.7	44.6	37.1	27.8	22.3	18.6	14.9	11.1	2.56	1.70	1.28	1.02		
	C		20	1.06	78.8	63.0	52.5	39.4	31.5	26.3	21.0	15.8	3.62	2.41	1.81	1.45		
	C		30	1.30	96.5	77.2	64.3	48.2	38.6	32.2	25.7	19.3	4.43	2.95	2.21	1.77		
	C		40	1.50	111.4	89.1	74.3	55.7	44.6	37.1	29.7	22.3	5.11	3.41	2.56	2.05		
	C		50	1.68	124.5	99.6	83.0	62.3	49.8	41.5	33.2	24.9	5.72	3.81	2.86	2.29		
	M		60	1.84	136.4	109.1	90.9	68.2	54.6	45.5	36.4	27.3	6.26	4.18	3.13	2.51		
10	C	160°	10	1.00	74.3	59.4	49.5	37.1	29.7	24.8	19.8	14.9	3.41	2.27	1.70	1.36		
	M		20	1.41	105.0	84.0	70.0	52.5	42.0	35.0	28.0	21.0	4.82	3.21	2.41	1.93		
	M		30	1.73	128.6	102.9	85.7	64.3	51.4	42.9	34.3	25.7	5.90	3.94	2.95	2.36		
	M		40	2.00	148.5	118.8	99.0	74.3	59.4	49.5	39.6	29.7	6.82	4.55	3.41	2.73		
	M		50	2.24	166.0	132.8	110.7	83.0	66.4	55.3	44.3	33.2	7.62	5.08	3.81	3.05		
	M		60	2.45	181.9	145.5	121.2	90.9	72.7	60.6	48.5	36.4	8.35	5.57	4.18	3.34		
15	C	145°	10	1.50	111.4	89.1	74.3	55.7	44.6	37.1	29.7	22.3	5.11	3.41	2.56	2.05		
	C		20	2.12	157.5	126.0	105.0	78.8	63.0	52.5	42.0	31.5	7.23	4.82	3.62	2.89		
	C		30	2.60	192.9	154.3	128.6	96.5	77.2	64.3	51.4	38.6	8.86	5.90	4.43	3.54		
	C		40	3.00	222.8	178.2	148.5	111.4	89.1	74.3	59.4	44.6	10.23	6.82	5.11	4.09		
	C		50	3.35	249.0	199.2	166.0	124.5	99.6	83.0	66.4	49.8	11.43	7.62	5.72	4.57		
	M		60	3.67	272.8	218.2	181.9	136.4	109.1	90.9	72.7	54.6	12.53	8.35	6.26	5.01		
20	VC	140°	10	2.00	148.5	118.8	99.0	74.3	59.4	49.5	39.6	29.7	6.82	4.55	3.41	2.73		
	C		20	2.83	210.0	168.0	140.0	105.0	84.0	70.0	56.0	42.0	9.64	6.43	4.82	3.86		
	C		30	3.46	257.2	205.8	171.5	128.6	102.9	85.7	68.6	51.4	11.81	7.87	5.90	4.76		
	C		40	4.00	297.0	237.6	198.0	148.5	118.8	99.0	79.2	59.4	13.64	9.09	6.82	5.45		
	C		50	4.47	332.1	265.6	221.4	166.0	132.8	110.7	88.5	66.4	15.25	10.16	7.62	6.10		
	C		60	4.90	363.7	291.0	242.5	181.9	145.5	121.2	97.0	72.7	16.70	11.13	8.35	6.68		



- 01. Simple; deflecting spray pattern
- 02. Polyacetal; single piece design
- 03. Available in many sizes to meet your flow rate needs

METRIC UNITS

Nozzle Size	Droplet Size	Spray Angle @ 1.5 bar	Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha - 50 cm Spacing							
					KM/H							
					7	8	10	12	15	20	25	30
0.5	VC	80°	1.0	0.23	39	34	27	23	18	14	11	9
	M		1.5	0.28	48	42	34	28	22	17	13	11
	F		2.0	0.32	55	48	39	32	26	19	15	13
	F		2.5	0.36	62	54	43	36	29	22	17	14
	F		3.0	0.39	68	59	47	39	32	24	19	16
0.75	F	95°	4.0	0.46	78	68	55	46	36	27	22	18
	XC		1.0	0.34	59	51	41	34	27	21	16	14
	M		1.5	0.42	72	63	50	42	34	25	20	17
	F		2.0	0.48	83	73	58	48	39	29	23	19
	F		2.5	0.54	93	81	65	54	43	32	26	22
1.0	F	105°	3.0	0.59	102	89	71	59	47	36	28	24
	F		4.0	0.68	117	103	82	68	55	41	33	27
	C		1.0	0.46	78	68	55	46	36	27	22	18
	M		1.5	0.56	96	84	67	56	45	34	27	22
	F		2.0	0.64	111	97	77	64	52	39	31	26
1.5	F	105°	2.5	0.72	124	108	86	72	58	43	35	29
	F		3.0	0.79	135	118	95	79	63	47	38	32
	F		4.0	0.91	156	137	109	91	73	55	44	36
	VC		1.0	0.68	117	103	82	68	55	41	33	27
	M		1.5	0.84	144	126	101	84	67	50	40	34
2.0	M	105°	2.0	0.97	166	145	116	97	77	58	46	39
	F		2.5	1.08	185	162	130	108	86	65	52	43
	F		3.0	1.18	203	178	142	118	95	71	57	47
	F		4.0	1.37	234	205	164	137	109	82	66	55
	M		1.0	0.91	156	137	109	91	73	55	44	36
2.5	M	110°	1.5	1.12	191	168	134	112	89	67	54	45
	M		2.0	1.29	221	193	155	129	103	77	62	52
	F		2.5	1.44	247	216	173	144	115	86	69	58
	F		3.0	1.58	271	237	190	158	126	95	76	63
	F		4.0	1.82	313	274	219	182	146	109	88	73
3.0	C	110°	1.0	1.14	195	171	137	114	91	68	55	46
	M		1.5	1.40	239	209	168	140	112	84	67	56
	M		2.0	1.61	276	242	193	161	129	97	77	64
	F		2.5	1.80	309	270	216	180	144	108	86	72
	F		3.0	1.97	338	296	237	197	158	118	95	79
4.0	F	120°	4.0	2.28	391	342	274	228	182	137	109	91
	C		1.0	1.37	234	205	164	137	109	82	66	55
	M		1.5	1.68	287	251	201	168	134	101	80	67
	M		2.0	1.93	332	290	232	193	155	116	93	77
	M		2.5	2.16	371	324	259	216	173	130	104	86
5.0	M	125°	3.0	2.37	406	355	284	237	190	142	114	95
	M		4.0	2.74	469	410	328	274	219	164	131	109
	M		1.0	1.82	313	274	219	182	146	109	88	73
	M		1.5	2.23	383	335	268	223	179	134	107	89
	M		2.0	2.58	442	387	309	258	206	155	124	103
7.5	M	145°	2.5	2.88	494	432	346	288	231	173	138	115
	M		3.0	3.16	541	474	379	316	253	190	152	126
	F		4.0	3.65	625	547	438	365	292	219	175	146
	C		1.0	2.3	391	342	274	228	182	137	109	91
	C		1.5	2.8	479	419	335	279	223	168	134	112
10	C	160°	2.0	3.2	553	484	387	322	258	193	155	129
	C		2.5	3.6	618	541	432	360	288	216	173	144
	C		3.0	3.9	677	592	474	395	316	237	190	158
	C		4.0	4.6	782	684	547	456	365	274	219	182
	M		1.0	3.4	586	513	410	342	274	205	164	137
15	C	145°	1.5	4.2	718	628	503	419	335	251	201	168
	C		2.0	4.8	829	725	580	484	387	290	232	193
	C		2.5	5.4	927	811	649	541	432	324	259	216
	C		3.0	5.9	1015	888	711	592	474	355	284	237
	C		4.0	6.8	1172	1026	821	684	547	410	328	274
20	M	140°	1.0	4.6	782	684	547	456	365	274	219	182
	C		1.5	5.6	957	838	670	558	447	335	268	223
	C		2.0	6.4	1105	967	774	645	516	387	309	258
	C		2.5	7.2	1236	1081	865	721	577	432	346	288
	C		3.0	7.9	1354	1184	948	790	632	474	379	316
20	M	140°	4.0	9.1	1563	1368	1094	912	729	547	438	365
	C		1.0	6.8	1172	1026	821	684	547	410	328	274
	C		1.5	8.4	1436	1256	1005	838	670	503	402	335
	C		2.0	9.7	1658	1451	1160	967	774	580	464	387
	C		2.5	10.8	1854	1622	1297	1081	865	649	519	432
20	C	140°	3.0	11.8	2030	1777	1421	1184	948	711	569	474
	C		4.0	13.7	2345	2051	1641	1368	1094	821	656	547
	C		1.0	9.1	1563	1368	1094	912	729	547	438	365
	C		1.5	11.2	1914	1675	1340	1117	893	670	536	447
	C		2.0	12.9	2210	1934	1547	1289	1032	774	619	516
20	C	140°	2.5	14.4	2471	2162	1730	1442	1153	865	692	577
	C		3.0	15.8	2707	2369	1895	1579	1263	948	758	632
	C		4.0	18.2	3126	2735	2188	1824	1459	1094	875	729

Features	
Common Use	Weeds & Fertilizer
Pattern	Flood
Technology	Deflection
Material	Polycetal
Spray Angle	80°-160°
Pressure Range	10-60 PSI (1-3 BAR)
Configuration	Nozzle
Part Numbers (Bags of 10)	
Nozzles	Caps (25 Pack)
30DT0.5	CAP30-20
30DT0.75	CAP30-20
30DT1.0	CAP30-20
30DT1.5	CAP30-20
30DT2.0	CAP30-20
30DT2.5	CAP30-20
30DT3.0	CAP30-20
30DT4.0	CAP30-20
30DT5.0	CAP30-20
30DT7.5	CAP30-20
30DT10	CAP30-20
30DT15	CAP30-20
30DT20	CAP30-20

Droplet size based on ASABE S572.1 standard.