



FULL CONE DIRECTED - FCX 80°



The FCX full-cone spray nozzle is especially suited for coverage sensitive applications of insecticide/fungicides.

- ◆ Full cone pattern to give superior coverage with non-air inducted droplets
- ◆ 80° spray angle makes the product easy to direct for spot applications
- ◆ Broad operating range for application flexibility

US UNITS

Nozzle Size	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing								GAL/1000ft ²			
			MPH								20 inch nozzle spacing			
			4	5	6	8	10	12	15	20	2	3	4	5
02	15	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
	20	0.23	17.1	13.7	11.4	8.5	6.8	5.7	4.6	3.4	0.78	0.52	0.39	0.31
	30	0.28	20.8	16.6	13.9	10.4	8.3	6.9	5.5	4.2	0.95	0.64	0.48	0.38
	40	0.33	24.5	19.6	16.3	12.3	9.8	8.2	6.5	4.9	1.13	0.75	0.56	0.45
	50	0.37	27.5	22.0	18.3	13.7	11.0	9.2	7.3	5.5	1.26	0.84	0.63	0.50
	60	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
	70	0.43	31.9	25.5	21.3	16.0	12.8	10.6	8.5	6.4	1.47	0.98	0.73	0.59
	80	0.46	34.2	27.3	22.8	17.1	13.7	11.4	9.1	6.8	1.57	1.05	0.78	0.63
	100	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
	125	0.58	43.1	34.5	28.7	21.5	17.2	14.4	11.5	8.6	1.98	1.32	0.99	0.79
150	0.63	46.8	37.4	31.2	23.4	18.7	15.6	12.5	9.4	2.15	1.43	1.07	0.86	
03	15	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
	20	0.35	26.0	20.8	17.3	13.0	10.4	8.7	6.9	5.2	1.19	0.80	0.60	0.48
	30	0.42	31.2	24.9	20.8	15.6	12.5	10.4	8.3	6.2	1.43	0.95	0.72	0.57
	40	0.49	36.4	29.1	24.3	18.2	14.6	12.1	9.7	7.3	1.67	1.11	0.84	0.67
	50	0.55	40.8	32.7	27.2	20.4	16.3	13.6	10.9	8.2	1.88	1.25	0.94	0.75
	60	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
	70	0.65	48.3	38.6	32.2	24.1	19.3	16.1	12.9	9.7	2.22	1.48	1.11	0.89
	80	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
	100	0.77	57.2	45.7	38.1	28.6	22.9	19.1	15.2	11.4	2.63	1.75	1.31	1.05
	125	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
150	0.95	70.5	56.4	47.0	35.3	28.2	23.5	18.8	14.1	3.24	2.16	1.62	1.30	
04	15	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
	20	0.46	34.2	27.3	22.8	17.1	13.7	11.4	9.1	6.8	1.57	1.05	0.78	0.63
	30	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
	40	0.65	48.3	38.6	32.2	24.1	19.3	16.1	12.9	9.7	2.22	1.48	1.11	0.89
	50	0.73	54.2	43.4	36.1	27.1	21.7	18.1	14.5	10.8	2.49	1.66	1.24	1.00
	60	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
	70	0.86	63.9	51.1	42.6	31.9	25.5	21.3	17.0	12.8	2.93	1.96	1.47	1.17
	80	0.92	68.3	54.6	45.5	34.2	27.3	22.8	18.2	13.7	3.14	2.09	1.57	1.25
	100	1.03	76.5	61.2	51.0	38.2	30.6	25.5	20.4	15.3	3.51	2.34	1.76	1.40
	125	1.15	85.4	68.3	56.9	42.7	34.2	28.5	22.8	17.1	3.92	2.61	1.96	1.57
150	1.26	93.6	74.8	62.4	46.8	37.4	31.2	24.9	18.7	4.30	2.86	2.15	1.72	
05	15	0.50	37.1	29.7	24.8	18.6	14.9	12.4	9.9	7.4	1.71	1.14	0.85	0.68
	20	0.58	43.1	34.5	28.7	21.5	17.2	14.4	11.5	8.6	1.98	1.32	0.99	0.79
	30	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
	40	0.82	60.9	48.7	40.6	30.4	24.4	20.3	16.2	12.2	2.80	1.86	1.40	1.12
	50	0.91	67.6	54.1	45.0	33.8	27.0	22.5	18.0	13.5	3.10	2.07	1.55	1.24
	60	1.00	74.3	59.4	49.5	37.1	29.7	24.8	19.8	14.9	3.41	2.27	1.71	1.36
	70	1.08	80.2	64.2	53.5	40.1	32.1	26.7	21.4	16.0	3.68	2.46	1.84	1.47
	80	1.15	85.4	68.3	56.9	42.7	34.2	28.5	22.8	17.1	3.92	2.61	1.96	1.57
	100	1.29	95.8	76.6	63.9	47.9	38.3	31.9	25.5	19.2	4.40	2.93	2.20	1.76
	125	1.44	107	85.5	71.3	53.5	42.8	35.6	28.5	21.4	4.91	3.27	2.46	1.96
150	1.58	117	93.9	78.2	58.7	46.9	39.1	31.3	23.5	5.39	3.59	2.69	2.16	
06	15	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
	20	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
	30	0.85	63.1	50.5	42.1	31.6	25.2	21.0	16.8	12.6	2.90	1.93	1.45	1.16
	40	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
	50	1.10	81.7	65.3	54.5	40.8	32.7	27.2	21.8	16.3	3.75	2.50	1.88	1.50
	60	1.20	89.1	71.3	59.4	44.6	35.6	29.7	23.8	17.8	4.09	2.73	2.05	1.64
	70	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
	80	1.39	103	82.6	68.8	51.6	41.3	34.4	27.5	20.6	4.74	3.16	2.37	1.90
	100	1.55	115	92.1	76.7	57.5	46.0	38.4	30.7	23.0	5.29	3.52	2.64	2.11
	125	1.73	128	103	85.6	64.2	51.4	42.8	34.3	25.7	5.90	3.93	2.95	2.36
150	1.90	141	113	94.1	70.5	56.4	47.0	37.6	28.2	6.48	4.32	3.24	2.59	

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METRIC UNITS

Nozzle Size	Pressure (BAR)	Flow Rate (LPM)	Flow L/min- 50 cm Spacing							
			KMH							
			7	8	10	12	15	20	25	30
02	1	0,74	127	111	89	74	59	44	36	30
	2	1,05	180	158	126	105	84	63	50	42
	3	1,28	219	192	154	128	102	77	61	51
	4	1,48	254	222	178	148	118	89	71	59
	5	1,65	283	248	198	165	132	99	79	66
	6	1,81	310	272	217	181	145	109	87	72
	7	1,96	336	294	235	196	157	118	94	78
	8	2,09	358	314	251	209	167	125	100	84
	9	2,22	381	333	266	222	178	133	107	89
	10	2,34	401	351	281	234	187	140	112	94
03	1	1,12	192	168	134	112	90	67	54	45
	2	1,58	271	237	190	158	126	95	76	63
	3	1,94	333	291	233	194	155	116	93	78
	4	2,23	382	335	268	223	178	134	107	89
	5	2,50	429	375	300	250	200	150	120	100
	6	2,73	468	410	328	273	218	164	131	109
	7	2,96	507	444	355	296	237	178	142	118
	8	3,17	543	476	380	317	254	190	152	127
	9	3,36	576	504	403	336	269	202	161	134
	10	3,54	607	531	425	354	283	212	170	142
04	1	1,49	255	224	179	149	119	89	72	60
	2	2,11	362	317	253	211	169	127	101	84
	3	2,58	442	387	310	258	206	155	124	103
	4	2,98	511	447	358	298	238	179	143	119
	5	3,33	571	500	400	333	266	200	160	133
	6	3,65	626	548	438	365	292	219	175	146
	7	3,94	675	591	473	394	315	236	189	158
	8	4,21	722	632	505	421	337	253	202	168
	9	4,47	766	671	536	447	358	268	215	179
	10	4,71	807	707	565	471	377	283	226	188
05	1	1,86	319	279	223	186	149	112	89	74
	2	2,63	451	395	316	263	210	158	126	105
	3	3,22	552	483	386	322	258	193	155	129
	4	3,72	638	558	446	372	298	223	179	149
	5	4,16	713	624	499	416	333	250	200	166
	6	4,56	782	684	547	456	365	274	219	182
	7	4,92	843	738	590	492	394	295	236	197
	8	5,26	902	789	631	526	421	316	252	210
	9	5,58	957	837	670	558	446	335	268	223
	10	5,88	1008	882	706	588	470	353	282	235
06	1	2,23	382	335	268	223	178	134	107	89
	2	3,15	540	473	378	315	252	189	151	126
	3	3,86	662	579	463	386	309	232	185	154
	4	4,45	763	668	534	445	356	267	214	178
	5	4,98	854	747	598	498	398	299	239	199
	6	5,45	934	818	654	545	436	327	262	218
	7	5,89	1010	884	707	589	471	353	283	236
	8	6,29	1078	944	755	629	503	377	302	252
	9	6,69	1147	1004	803	669	535	401	321	268
	10	7,05	1209	1058	846	705	564	423	338	282

Features	
Common Use	Plant Health
Pattern	Full Cone
Technology	Swirl
Material	Polyacetal
Spray Angle	80°
Pressure Range	15-150 PSI (1-10 BAR)
Configuration	Nozzle
Part Numbers (Bags of 10)	
Nozzles 80°	Caps (25 Pack)
30FCX02	CAP04-02
30FCX03	CAP04-03
30FCX04	CAP04-04
30FCX05	CAP04-05
30FCX06	CAP04-06