



# Ultra Lo-Drift 120°

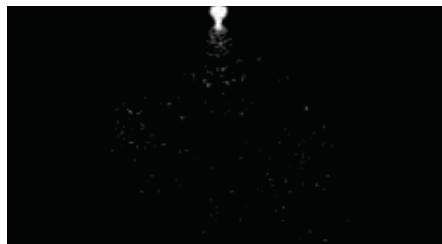


The ULD – Ultra Lo-Drift is the ideal spray nozzle for use where drift reduction is paramount. The nozzle produces large air-filled droplets, which cut drift dramatically compared with a standard fan and conventional low-drift spray nozzles. Ideal for use with pre-emergence and broad spectrum products.

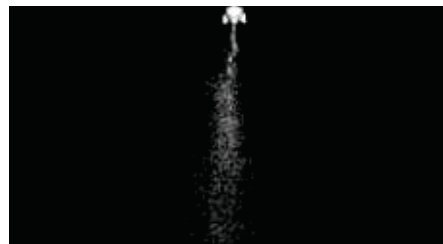
- Creates air-filled droplets which significantly reduce spray drift
- Wide spray angle (120°) enables boom height to be lowered to further decrease drift
- Small, compact size reduces the chances of accidental breakage
- FastCap complete includes nozzle, cap, gasket and integrated strainers

## US Units

Nozzle Size	Droplet Size	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing										GAL/1000 Ft <sup>2</sup> 20 inch nozzle spacing				
				4	5	6	8	10	12	15	20	2	3	4	5			
015	UC	20	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15			
	XC	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18			
	VC	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			
	VC	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23			
	C	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25			
	C	70	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			
	C	80	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29			
	M	90	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			
	M	100	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33			
	M	115	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	115	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			
02	UC	20	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19			
	XC	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23			
	C	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			
	C	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30			
	C	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33			
	M	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35			
	M	80	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			
	M	90	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	100	0.32	23.8	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.09	0.73	0.55	0.44			
	M	115	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46			
	M	115	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46			
025	XC	20	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25			
	XC	30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30			
	C	40	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			
	C	50	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			
	C	60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42			
	M	70	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			
	M	80	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			
	M	90	0.38	28.2	22.6	18.8	14.1	11.3	9.4	7.5	5.6	1.30	0.86	0.65	0.52			
	M	100	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	115	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			
	M	115	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			
03	XC	20	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29			
	XC	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35			
	C	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			
	C	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46			
	C	60	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			
	M	70	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	80	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			
	M	90	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61			
	M	100	0.47	34.9	27.9	23.3	17.4	14.0	11.6	9.3	7.0	1.60	1.07	0.80	0.64			
	M	115	0.51	37.9	30.3	25.2	18.9	15.1	12.6	10.1	7.6	1.74	1.16	0.87	0.70			
	M	115	0.51	37.9	30.3	25.2	18.9	15.1	12.6	10.1	7.6	1.74	1.16	0.87	0.70			
04	UC	20	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			
	UC	30	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			
	UC	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			
	XC	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61			
	XC	60	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			
	XC	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72			
	VC	80	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			
	VC	90	0.60	44.6	35.6	29.7	22.3	17.8	14.9	11.9	8.9	2.05	1.34	1.02	0.82			
	C	100	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			
	C	115	0.68	50.5	40.4	33.7	25.2	20.2	16.8	13.5	10.1	2.32	1.55	1.16	0.93			
	C	115	0.68	50.5	40.4	33.7	25.2	20.2	16.8	13.5	10.1	2.32	1.55	1.16	0.93			
05	UC	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			
	UC	30	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			
	XC	40	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			
	XC	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76			
	XC	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83			
	VC	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.8	2.25	1.50	1.13	0.90			
	VC	80	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			
	VC	90	0.75	55.7	44.6	37.1	27.8	22.3	18.6	14.9	11.1	2.56	1.71	1.28	1.02			
	C	100	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08			
	C	115	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			
	C	115	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			
06	UC	20	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			
	UC	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			
	XC	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			
	XC	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91			
	VC	60	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			
	C	70	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08			
	C	80	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			
	C	90	0.90	66.8	53.5	44.6	33.4	26.7	22.3	17.8	13.4	3.07	2.05	1.53	1.23			
	C	100	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			
	M	115	1.02	75.7	60.6	50.5	37.9	30.3	25.2	20.2	15.1	3.48	2.32	1.74	1.39			
	M	115	1.02	75.7	60.6	50.5	37.9	30.3	25.2	20.2	15.1	3.48	2.32	1.74	1.39			
08	UC	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				



Maximum drift control in a 120° wide spray pattern for even coverage in broadcast applications



Unique 60° thick spray pattern for a wider coverage area. 120° wide by 60° thick pattern.

See [www.hypospraytips.com/certifications](http://www.hypospraytips.com/certifications) for the latest drift reduction standard information.

### Metric Units

Nozzle Size	Droplet Size	Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha - 50cm spacing KM/H						Drift Reduction Standards		
				7	8	10	12	15	20		25	30
015	UC	1	0,35	60	53	42	35	28	21	17	14	JKI
	UC	1,5	0,42	72	63	50	42	34	25	20	17	
	XC	2	0,49	84	74	59	49	39	29	24	20	
	VC	3	0,60	103	90	72	60	48	36	29	24	
	C	4	0,69	118	104	83	69	55	41	33	28	
	C	5	0,77	132	116	92	77	62	46	37	31	
	M	6	0,85	146	128	102	85	68	51	41	34	
	M	7	0,92	158	138	110	92	74	55	44	37	
02	UC	1	0,46	79	69	55	46	37	28	22	18	JKI
	UC	1,5	0,57	98	86	68	57	46	34	27	23	
	XC	2	0,65	111	98	78	65	52	39	31	26	
	C	3	0,80	137	120	96	80	64	48	38	32	
	C	4	0,92	158	138	110	92	74	55	44	37	
	M	5	1,03	177	155	124	103	82	62	49	41	
	M	6	1,13	194	170	136	113	90	68	54	45	
	M	7	1,22	209	183	146	122	98	73	59	49	
025	UC	1	0,58	99	87	70	58	46	35	28	23	JKI
	UC	1,5	0,71	122	107	85	71	57	43	34	28	
	XC	2	0,82	141	123	98	82	66	49	39	33	
	C	3	1,00	171	150	120	100	80	60	48	40	
	C	4	1,15	197	173	138	115	92	69	55	46	
	M	5	1,29	221	194	155	129	103	77	62	52	
	M	6	1,41	242	212	169	141	113	85	68	56	
	M	7	1,53	262	230	184	153	122	92	73	61	
03	UC	1	0,69	118	104	83	69	55	41	33	28	50% 2.5-8.0 BAR Ref # G-1778
	UC	1,5	0,85	146	128	102	85	68	51	41	34	
	XC	2	0,98	168	147	118	98	78	59	47	39	
	C	3	1,20	206	180	144	120	96	72	58	48	
	C	4	1,39	238	209	167	139	111	83	67	56	
	M	5	1,55	266	233	186	155	124	93	74	62	
	M	6	1,70	291	255	204	170	136	102	82	68	
	M	7	1,83	314	275	220	183	146	110	88	73	
04	UC	1	0,92	158	138	110	92	74	55	44	37	90% 2.5-3.0 BAR  75% 3.1-8.0 BAR Ref # G-1779
	UC	1,5	1,13	194	170	136	113	90	68	54	45	
	UC	2	1,31	225	197	157	131	105	79	63	52	
	XC	3	1,60	274	240	192	160	128	96	77	64	
	XC	4	1,85	317	278	222	185	148	111	89	74	
	VC	5	2,07	355	311	248	207	166	124	99	83	
	VC	6	2,26	387	339	271	226	181	136	108	90	
	C	7	2,44	418	366	293	244	195	146	117	98	
05	UC	1	1,15	197	173	138	115	92	69	55	46	90% 2.5-8.0 BAR Ref # G-1780
	UC	1,5	1,41	242	212	169	141	113	85	68	56	
	UC	2	1,63	279	245	196	163	130	98	78	65	
	XC	3	2,00	343	300	240	200	160	120	96	80	
	XC	4	2,31	396	347	277	231	185	139	111	92	
	VC	5	2,58	442	387	310	258	206	155	124	103	
	VC	6	2,83	485	425	340	283	226	170	136	113	
	C	7	3,06	525	459	367	306	245	184	147	122	
06	UC	1	1,39	238	209	167	139	111	83	67	56	JKI
	UC	1,5	1,70	291	255	204	170	136	102	82	68	
	UC	2	1,96	336	294	235	196	157	118	94	78	
	XC	3	2,40	411	360	288	240	192	144	115	96	
	VC	4	2,77	475	416	332	277	222	166	133	111	
	C	5	3,10	531	465	372	310	248	186	149	124	
	C	6	3,39	581	509	407	339	271	203	163	136	
	M	7	3,67	629	551	440	367	294	220	176	147	
08	UC	1	1,85	317	278	222	185	148	111	89	74	JKI
	UC	1,5	2,26	387	339	271	226	181	136	108	90	
	UC	2	2,61	447	392	313	261	209	157	125	104	
	VC	3	3,20	549	480	384	320	256	192	154	128	
	C	4	3,70	634	555	444	370	296	222	178	148	
	C	5	4,13	708	620	496	413	330	248	198	165	
	M	6	4,53	777	680	544	453	362	272	217	181	
	M	7	4,89	838	734	587	489	391	293	235	196	

Droplet size based on ASABE S572.1 standard

Features	
Common Use	Weeds
Pattern	Tapered Flat Fan
Technology	Air Induction
Material	Polyacetal
Spray Angle	120°
Pressure Range	20-115 PSI (1-8 BAR)
Configuration	Nozzles, FastCap Complete
Optimum Boom Height	
15" (35 cm) Spacing	13" (33 cm)
20" (50 cm) Spacing	18" (46 cm)
Part Numbers	
Nozzles 120°	FastCap 120°
ULD120-015	FC-ULD120-015*
ULD120-02	FC-ULD120-02*
ULD120-025	FC-ULD120-025*
ULD120-03	FC-ULD120-03*
ULD120-04	FC-ULD120-04*
ULD120-05	FC-ULD120-05*
ULD120-06	FC-ULD120-06*
ULD120-08	FC-ULD120-08*
Replacement Strainers	
TS01-100	100 mesh strainer
TS01-50	50 mesh strainer
Replacement FastCap Gasket	
1700-0255	

\* FastCap version contain nozzle filters



# GuardianAIR Twin 110<sup>o</sup>

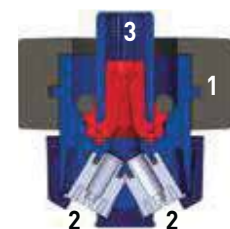
GuardianAIR Twin spray nozzles are the best choice for high coverage applications where on-target spray delivery is important. They are ideal for low crops with complex canopies, such as vegetables, where thorough coverage of the target and protection of the surroundings are of high importance.



- High-coverage forward and rear facing fans help penetrate complex canopies
- Engineered to provide better coverage with more drops per gallon or litre compared to other air-induced sprays
- Easy-to-install, patent-pending locking ring and o-ring seal design
- FastCap complete includes nozzle, cap, gasket and is available with or without a filter

## US Units

Nozzle Size	Droplet Size	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
02	C	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	M	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
	M	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	M	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	M	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	M	80	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
	M	90	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	100	0.32	23.8	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.09	0.73	0.55	0.44
	F	115	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
025	UC	30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	VC	40	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
	C	50	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
	M	60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42
	M	70	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
	M	80	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
	M	90	0.38	28.2	22.6	18.8	14.1	11.3	9.4	7.5	5.6	1.30	0.86	0.65	0.52
	M	100	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	115	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
03	VC	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	C	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
	M	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
	M	60	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
	M	70	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	80	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
	M	90	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	M	100	0.47	34.9	27.9	23.3	17.4	14.0	11.6	9.3	7.0	1.60	1.07	0.80	0.64
	M	115	0.51	37.9	30.3	25.2	18.9	15.1	12.6	10.1	7.6	1.74	1.16	0.87	0.70
035	XC	30	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
	C	40	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
	C	50	0.39	29.0	23.2	19.3	14.5	11.6	9.7	7.7	5.8	1.33	0.89	0.66	0.53
	M	60	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
	M	70	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
	M	80	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
	M	90	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72
	M	100	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
	M	115	0.59	43.8	35.0	29.2	21.9	17.5	14.6	11.7	8.8	2.01	1.34	1.01	0.80
04	VC	30	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
	C	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
	C	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	M	60	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
	M	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72
	M	80	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
	M	90	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	100	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
	M	115	0.68	50.5	40.4	33.7	25.2	20.2	16.8	13.5	10.1	2.32	1.55	1.16	0.93
05	VC	30	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
	C	40	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
	C	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76
	M	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83
	M	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.8	2.25	1.50	1.13	0.90
	M	80	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
	M	90	0.75	55.7	44.6	37.1	27.8	22.3	18.6	14.9	11.1	2.56	1.71	1.28	1.02
	M	100	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08
	M	115	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
06	XC	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
	C	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
	C	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91
	C	60	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
	M	70	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08
	M	80	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
	M	90	0.90	66.8	53.5	44.6	33.4	26.7	22.3	17.8	13.4	3.07	2.05	1.53	1.23
	M	100	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
	M	115	1.02	75.7	60.6	50.5	37.9	30.3	25.2	20.2	15.1	3.48	2.32	1.74	1.39
08	VC	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
	C	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
	C	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
	C	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
	M	70	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
	M	80	1.13	83.9	67.1	55.9	42.0	33.6	28.0	22.4	16.8	3.85	2.57	1.93	1.54
	M	90	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
	M	100	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
	M	115	1.36	101	80.8	67.3	50.5	40.4	33.7	26.9	20.2	4.64	3.09	2.32	1.86



1. Integrated Locking Collar allows for precise and easy installation
2. Twin Air Induced spray patterns (30° offset) for superior coverage
3. Available with or without filter options

Droplet size based on ASABE S572.1 standard.



110° air inducted spray pattern for class leading coverage on a variety of targets.



Sturdy twin 30° incline/decline patterns provide superior canopy penetration through pattern integrity.



**Z.N.T.**

See [www.hypospraytips.com/certifications](http://www.hypospraytips.com/certifications) for the latest drift reduction standard information.

**Metric Units**

Nozzle Size	Droplet Size	Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha - 50 cm Spacing KM/H								Drift Reduction Standards		
				7	8	10	12	15	20	25	30	LERAP	JKI	Z.N.T.
02	C	2	0,65	111	98	78	65	52	39	21	26	★★ 50-75% 2.0-2.25 BAR ★ 25-50% 2.25-2.5 BAR		66% 2.0-2.5 BAR
	M	3	0,80	137	120	96	80	64	48	38	32			
	M	4	0,92	158	138	110	92	74	55	44	37			
	M	5	1,03	177	155	124	103	82	62	49	41			
	M	6	1,13	194	170	136	113	90	68	54	45			
	F	7	1,22	209	183	146	122	98	73	59	49			
025	VC	2	0,82	141	123	98	82	66	49	39	33	★★ 50-75% 2.0-2.25 BAR ★ 25-50% 2.25-2.5 BAR	50% 2.0-2.5 BAR Ref # G-1872	66% 2.0-2.5 BAR
	VC	3	1,00	171	150	120	100	80	60	48	40			
	M	4	1,15	197	173	138	115	92	69	55	46			
	M	5	1,29	221	194	155	129	103	77	62	52			
	M	6	1,41	242	212	169	141	113	85	68	56			
	M	7	1,53	262	230	184	153	122	92	73	61			
03	VC	2	0,98	168	147	118	98	78	59	47	39	★★ 50-75% 2.0-3.0 BAR ★ 25-50% 3.0-4.0 BAR	50% 2.0-3.0 BAR Ref # G-1874	66% 2.0-3.0 BAR
	C	3	1,20	206	180	144	120	96	72	58	48			
	M	4	1,39	238	209	167	139	111	83	67	56			
	M	5	1,55	266	233	186	155	124	93	74	62			
	M	6	1,70	291	255	204	170	136	102	82	68			
	M	7	1,83	314	275	220	183	146	110	88	73			
035	XC	2	1,14	195	171	137	114	91	68	55	46	★★ 50-75% 2.0-2.5 BAR	75% 1.5-2.0 BAR 50% 2.1-3.0 BAR Ref # G-1988	
	C	3	1,40	240	210	168	140	112	84	67	56			
	M	4	1,62	278	243	194	162	130	97	78	65			
	M	5	1,81	310	272	217	181	145	109	87	72			
	M	6	1,98	339	297	238	198	158	119	95	79			
	M	7	2,14	367	321	257	214	171	128	103	86			
04	VC	2	1,31	225	197	157	131	105	79	63	52	★ 25-50% 2.0-3.0 BAR	50% 2.0-2.5 BAR Ref # G-1875	66% 2.0-3.0 BAR
	C	3	1,60	274	240	192	160	128	96	77	64			
	M	4	1,85	317	278	222	185	148	111	89	74			
	M	5	2,07	355	311	248	207	166	124	99	83			
	M	6	2,26	387	339	271	226	181	136	108	90			
	M	7	2,44	418	366	293	244	195	146	117	98			
05	VC	2	1,63	279	245	196	163	130	98	78	65	★★ 50-75% 2.0-3.0 BAR ★ 25-50% 3.0-3.5 BAR	50% 2.0-3.0 BAR Ref # G-1876	66% 2.0-3.0 BAR
	C	3	2,00	343	300	240	200	160	120	96	80			
	M	4	2,31	396	347	277	231	185	139	111	92			
	M	5	2,58	442	387	310	258	206	155	124	103			
	M	6	2,83	485	425	340	283	226	170	136	113			
	M	7	3,06	525	459	367	306	245	184	147	122			
06	XC	2	1,96	336	294	235	196	157	118	94	78	★★ 50-75% 2.0-3.0 BAR ★ 25-50% 3.0-3.5 BAR	50% 2.0-4.0 BAR Ref # G-1877	66% 2.0-3.0 BAR
	C	3	2,40	411	360	288	240	192	144	115	96			
	C	4	2,77	475	416	332	277	222	166	133	111			
	M	5	3,10	531	465	372	310	248	186	149	124			
	M	6	3,39	581	509	407	339	271	203	163	136			
	M	7	3,67	629	551	440	367	294	220	176	147			
08	VC	2	2,61	447	392	313	261	209	157	125	104	★★ 50-75% 2.0-3.0 BAR ★ 25-50% 3.0-4.0 BAR	50% 2.0-6.0 BAR Ref # G-1878	66% 2.0-3.0 BAR
	C	3	3,20	549	480	384	320	256	192	154	128			
	C	4	3,70	634	555	444	370	296	222	178	148			
	M	5	4,13	708	620	496	413	330	248	198	165			
	M	6	4,53	777	680	544	453	362	272	217	181			
	M	7	4,89	838	734	587	489	391	293	235	196			
08	M	8	5,23	897	785	628	523	418	314	251	209			

Droplet size based on ASABE S572.1 standard.  
Use at 3 bar for optimum coverage.

Features	
Common Use	Plant Health
Pattern	Tapered Flat Fan
Technology	Air Induction
Material	Polyacetal
Spray Angle	110°
Pressure Range	30-115 PSI (2-8 BAR)
Configuration	FastCap Complete
Optimum Boom Height	
15" (35 cm) Spacing	13" (33 cm)
20" (50 cm) Spacing	18" (46 cm)
Part Numbers	
FastCaps 110° with filter	FastCaps 110° without filter
GAT110-02	GAT110-02A
GAT110-025	GAT110-025A
GAT110-03	GAT110-03A
GAT110-035	GAT110-035A
GAT110-04	GAT110-04A
GAT110-05	GAT110-05A
GAT110-06	GAT110-06A
GAT110-08	GAT110-08A
Replacement Parts	
TS02-50	50 mesh strainer for all sizes
65-BS205	O-Ring
30Q3579A	Replaceable cage for non-filter versions



# Ceramic AVI Twin 110<sup>o</sup>



The Albus<sup>®</sup> AVI Twin (ATW) brings drift control and coverage together. Using proven AVI technology, the AVI Twin draws air into the nozzle, mixing it with the spray to create a twin spray of drift resistant air-filled droplets. Drift is greatly reduced, spraying the canopy with dual trajectories to improve coverage.

- Coverage-enhancing twin patterns from a single nozzle
- Drift-reducing AVI venturi technology
- 60-degrees of separation between fans
- Pressures from 40 to 100 psi (3-7 bar)
- Wear-resistant Albus ceramic orifices

## US Units

Nozzle Size	Droplet Size	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing MPH								GAL/1000 ft <sup>2</sup> 20 inch nozzle spacing			
				4	5	6	8	10	12	15	20	2	3	4	5
01	XC	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
	XC	50	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15
	XC	60	0.12	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
	C	70	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18
	C	80	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	C	90	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
015	C	100	0.16	11.9	9.5	7.9	5.9	4.8	4.0	3.2	2.4	0.55	0.36	0.27	0.22
	XC	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
	XC	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	XC	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	C	70	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
	C	80	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29
02	C	90	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
	C	100	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	XC	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
	XC	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	XC	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	C	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
03	C	80	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
	C	90	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
	C	100	0.32	23.8	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.09	0.73	0.55	0.44
	XC	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
	XC	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
	XC	60	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
04	VC	70	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
	VC	80	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
	C	90	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	C	100	0.47	34.9	27.9	23.3	17.4	14.0	11.6	9.3	7.0	1.60	1.07	0.80	0.64
	XC	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
	XC	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
05	XC	60	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
	VC	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72
	VC	80	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
	C	90	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
	C	100	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
	XC	40	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
XC	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76	
05	XC	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83
	VC	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.8	2.25	1.50	1.13	0.90
	VC	80	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
	C	90	0.75	55.7	44.6	37.1	27.8	22.3	18.6	14.9	11.1	2.56	1.71	1.28	1.02
	C	100	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08

Droplet size based on ASABE S572.1 standard.



**Metric Units**

Nozzle Size	Droplet Size 110°	Pressure (bar)	Flow (L/min)	Application Rate L/Ha- 50 cm Spacing									
				KM/H									
				6	8	10	12	14	16	18	20	25	30
01	XC	3	0.40	105	79	63	53	45	39	35	32	25	21
	XC	4	0.46	121	91	73	61	52	45	40	36	29	24
	C	5	0.52	137	103	82	68	59	51	46	41	33	27
015	C	6	0.57	150	113	90	75	64	56	50	45	36	30
	XC	3	0.60	158	118	95	79	68	59	53	47	38	32
	XC	4	0.69	182	136	109	91	78	68	61	54	44	36
02	C	5	0.77	203	152	122	101	87	76	68	61	49	41
	C	6	0.85	224	168	134	112	96	84	75	67	54	45
	XC	3	0.80	211	158	126	105	90	79	70	63	51	42
03	XC	4	0.92	242	182	145	121	104	91	81	73	58	48
	C	5	1.03	271	203	163	136	116	102	90	81	65	54
	C	6	1.13	297	223	178	149	127	112	99	89	71	59
04	XC	3	1.20	316	237	189	158	135	118	105	95	76	63
	XC	4	1.39	366	274	219	183	157	137	122	110	88	73
	VC	5	1.55	408	306	245	204	175	153	136	122	98	82
05	C	6	1.70	447	336	268	224	192	168	149	134	107	89
	XC	3	1.60	421	316	253	211	180	158	140	126	101	84
	XC	4	1.85	487	365	292	243	209	183	162	146	117	97
05	VC	5	2.07	545	409	327	272	233	204	182	163	131	109
	C	6	2.26	595	446	357	297	255	223	198	178	143	119
	XC	3	2.00	526	395	316	263	226	197	175	158	126	105
05	XC	4	2.31	608	456	365	304	261	228	203	182	146	122
	VC	5	2.58	679	509	407	339	291	255	226	204	163	136
	C	6	2.83	745	559	447	372	319	279	248	223	179	149

Droplet size based on ASABE S572.1 standard.

Features	
Common Use	Plant Health
Pattern	Tapered Flat Fan
Technology	Air Induction
Material	Ceramic
Spray Angle	110°
Pressure Range	40-100 PSI (3-7 BAR)
Configuration	Nozzles
Optimum Boom Height	
80° - 15° (35 cm) Spacing	20" (51 cm)
80° - 20° (50 cm) Spacing	28" (71 cm)
110° - 15° (35 cm) Spacing	13" (33 cm)
110° - 20° (50 cm) Spacing	18" (46 cm)
Part Numbers	
Nozzles 110°	Caps (25 Pack)
ATW-11001	CAP01-01
ATW-110015	CAP01-015
ATW-11002	CAP01-02
ATW-11003	CAP01-03
ATW-11004	CAP01-04
ATW-11005	CAP01-05





# GuardianAIR 110°



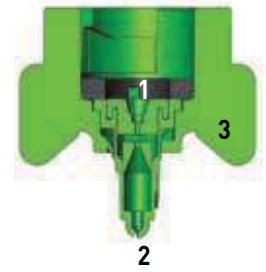
The Hypro GuardianAIR spray nozzle has a unique rearward spray incline provides more uniform coverage. Higher flow nozzles used at faster speeds have a greater spray incline.

- Air-induced sprays reduce drift while increasing droplet deposition and retention on foliage
- Provides better coverage with more drops per gallon or litre compared to other common air-induced spray nozzles
- Speed-optimized spray incline allows more uniform coverage
- Specifically engineered nozzle to maintain droplet spectrum regardless of orifice size
- FastCap includes nozzle, cap and gasket

### US Units

Nozzle Size	Droplet Size	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing										GAL/1000 Ft <sup>2</sup>				
				MPH										20 inch nozzle spacing				
				4	5	6	8	10	12	15	20	2	3	4	5			
015	UC	20	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15			
	XC	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18			
	C	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			
	C	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23			
	M	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25			
	M	70	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	80	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29			
	M	90	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			
	M	100	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33			
	M	115	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			
02	XC	20	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19			
	VC	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23			
	C	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			
	M	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30			
	M	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33			
	M	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35			
	M	80	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			
	M	90	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	100	0.32	23.8	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.09	0.73	0.55	0.44			
	M	115	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46			
025	XC	20	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25			
	VC	30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30			
	C	40	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	50	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			
	M	60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42			
	M	70	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			
	M	80	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			
	M	90	0.38	28.2	22.6	18.8	14.1	11.3	9.4	7.5	5.6	1.30	0.86	0.65	0.52			
	M	100	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	115	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			
03	UC	20	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29			
	XC	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35			
	VC	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			
	C	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46			
	C	60	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			
	M	70	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	80	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			
	M	90	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61			
	M	100	0.47	34.9	27.9	23.3	17.4	14.0	11.6	9.3	7.0	1.60	1.07	0.80	0.64			
	M	115	0.51	37.9	30.3	25.2	18.9	15.1	12.6	10.1	7.6	1.74	1.16	0.87	0.70			
035	XC	20	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			
	VC	30	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			
	C	40	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			
	M	50	0.39	29.0	23.2	19.3	14.5	11.6	9.7	7.7	5.8	1.33	0.89	0.66	0.53			
	M	60	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			
	M	70	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			
	M	80	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			
	M	90	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72			
	M	100	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			
	M	115	0.59	43.8	35.0	29.2	21.9	17.5	14.6	11.7	8.8	2.01	1.34	1.01	0.80			
04	XC	20	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			
	VC	30	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			
	C	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			
	C	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61			
	M	60	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			
	M	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72			
	M	80	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			
	M	90	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	100	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			
	M	115	0.68	50.5	40.4	33.7	25.2	20.2	16.8	13.5	10.1	2.32	1.55	1.16	0.93			
05	XC	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			
	XC	30	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			
	C	40	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			
	C	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76			
	M	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83			
	M	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.9	2.25	1.50	1.13	0.90			
	M	80	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			
	M	90	0.75	55.7	44.6	37.1	27.8	22.3	18.6	14.9	11.1	2.56	1.71	1.28	1.02			
	M	100	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08			
	M	115	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			

Droplet size based on ASABE S572.1 standard.



1. Single Inlet; Air Induced Technology
2. Inclined spray pattern provides more uniform coverage
3. Available in a FastCap option for easy installation



Flexible 110° air inducted spray pattern capable of meeting many spraying situations.



Unique angle of incline specifically engineered to maximize droplet deposition on vertical targets.



See [www.hypospraytips.com/certifications](http://www.hypospraytips.com/certifications) for the latest drift reduction standard information.

### Metric Units

Nozzle Size	Droplet Size	Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha -50 cm Spacing KM/H								Drift Reduction Standards			
				7	8	10	12	15	20	25	30	LERAP	JKI	Z.N.T.	TCT
015	UC	1	0,35	60	53	42	35	28	21	17	14	★★★★ 75% + 1.0-1.25 BAR ★★ 50-75% 1.3-2.0 BAR		66%	50%
	UC	1,5	0,42	72	63	50	42	34	25	20	17				
	XC	2	0,49	84	74	59	49	39	29	24	20				
	C	3	0,60	103	90	72	60	48	36	29	24				
	M	4	0,69	118	104	83	69	55	41	33	28				
	M	5	0,77	132	116	92	77	62	46	37	31				
	M	6	0,85	146	128	102	85	68	51	41	34				
	M	7	0,92	158	138	110	92	74	55	44	37				
M	8	0,98	168	147	118	98	78	59	47	39					
02	UC	1	0,46	79	69	55	46	37	28	22	18	★★★★ 75% + 1.0-1.25 BAR ★★ 50-75% 1.3-2.0 BAR	50%	66%	50%
	XC	1,5	0,57	98	86	68	57	46	34	27	23				
	VC	2	0,65	111	98	78	65	52	39	31	26				
	M	3	0,80	137	120	96	80	64	48	38	32				
	M	4	0,92	158	138	110	92	74	55	44	37				
	M	5	1,03	177	155	124	103	82	62	49	41				
	M	6	1,13	194	170	136	113	90	68	54	45				
	M	7	1,22	209	183	146	122	98	73	59	49				
M	8	1,31	225	197	157	131	105	79	63	52					
025	UC	1	0,58	99	87	70	58	46	35	28	23	★★★★ 75% + 1.0-1.5 BAR ★★ 50-75% 1.6-2.5 BAR	50%	66%	75%
	XC	1,5	0,71	122	107	85	71	57	43	34	28				
	VC	2	0,82	141	123	98	82	66	49	39	33				
	C	3	1,00	171	150	120	100	80	60	48	40				
	M	4	1,15	197	173	138	115	92	69	55	46				
	M	5	1,29	221	194	155	129	103	77	62	52				
	M	6	1,41	242	212	169	141	113	85	68	56				
	M	7	1,53	262	230	184	153	122	92	73	61				
M	8	1,63	279	245	196	163	130	98	78	65					
03	UC	1	0,69	118	104	83	69	55	41	33	28	★★★★ 75% + 1.0-1.5 BAR ★★ 50-75% 1.6-2.5 BAR	75%	66%	75%
	UC	1,5	0,85	146	128	102	85	68	51	41	34				
	XC	2	0,98	168	147	118	98	78	59	47	39				
	VC	3	1,20	206	180	144	120	96	72	58	48				
	C	4	1,39	238	209	167	139	111	83	67	56				
	M	5	1,55	266	233	186	155	124	93	74	62				
	M	6	1,70	291	255	204	170	136	102	82	68				
	M	7	1,83	314	275	220	183	146	110	88	73				
M	8	1,96	336	294	235	196	157	118	94	78					
035	UC	1	0,81	139	122	97	81	65	49	39	32	★★★★ 75% + 1.0-1.5 BAR ★★ 50-75% 1.6-4.0 BAR	75%	66%	75%
	XC	1,5	0,99	170	149	119	99	79	59	48	40				
	VC	2	1,14	195	171	137	114	91	68	55	46				
	C	3	1,40	240	210	168	140	112	84	67	56				
	M	4	1,62	278	243	194	162	130	97	78	65				
	M	5	1,81	310	272	217	181	145	109	87	72				
	M	6	1,98	339	297	238	198	158	119	95	79				
	M	7	2,14	367	321	257	214	171	128	103	86				
M	8	2,29	393	344	275	229	183	137	110	92					
04	UC	1	0,92	158	138	110	92	74	55	44	37	★★★★ 75% + 1.0-1.5 BAR ★★ 50-75% 1.6-4.0 BAR	75%	66%	75%
	XC	1,5	1,13	194	170	136	113	90	68	54	45				
	VC	2	1,31	225	197	157	131	105	79	63	52				
	C	3	1,60	274	240	192	160	128	96	77	64				
	M	4	1,85	317	278	222	185	148	111	89	74				
	M	5	2,07	355	311	248	207	166	124	99	83				
	M	6	2,26	387	339	271	226	181	136	108	90				
	M	7	2,44	418	366	293	244	195	146	117	98				
M	8	2,61	447	392	313	261	209	157	125	104					
05	UC	1	1,15	197	173	138	115	92	69	55	46	★★★★ 75% + 1.0-1.5 BAR ★★ 50-75% 1.6-4.0 BAR	75%	66%	75%
	XC	1,5	1,41	242	212	169	141	113	85	68	56				
	XC	2	1,63	279	245	196	163	130	98	78	65				
	C	3	2,00	343	300	240	200	160	120	96	80				
	M	4	2,31	396	347	277	231	185	139	111	92				
	M	5	2,58	442	387	310	258	206	155	124	103				
	M	6	2,83	485	425	340	283	226	170	136	113				
	M	7	3,06	525	459	367	306	245	184	147	122				
M	8	3,27	561	491	392	327	262	196	157	131					

Droplet size based on ASABE S572.1 standard.  
Use at 3 bar for optimum coverage.

Features	
Common Use	Plant Health
Pattern	Tapered Flat Fan
Technology	Air Induction
Material	Polyacetal
Spray Angle	110°
Pressure Range	20-115 PSI (1-8 BAR)
Configuration	Nozzles, FastCap
Optimum Boom Height	
15" (35 cm) Spacing	15" (35 cm)
20" (50 cm) Spacing	20" (50 cm)
Part Numbers	
Nozzles 110°	FastCaps 110°
GA110-015	FC-GA110-015
GA110-02	FC-GA110-02
GA110-025	FC-GA110-025
GA110-03	FC-GA110-03
GA110-035	FC-GA110-035
GA110-04	FC-GA110-04
GA110-05	FC-GA110-05
Replacement Cap Gasket	
22W11MF64	





# Ceramic AVI 110°

The Albu<sup>z</sup>® AVI draws air into the nozzle and mixes it with the spray to create very coarse droplets that minimize spray drift. The air-filled droplets have a larger footprint on the leaf than similar non-air droplets and hold to the leaf for better control. Durable Albu<sup>z</sup> ceramic orifice create the longest wearing spray nozzle of its kind.



- Excellent drift reduction with large air-filled droplets
- Large passages resist plugging
- Wear-resistant Albu<sup>z</sup> ceramic orifice
- 80° fan models ideal for use in directed spray applications (See page 179 for more information)
- FastCap includes nozzle, cap and gasket

## US Units

Nozzle Size	Droplet Size 110°	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing								GAL/1000 F <sup>2</sup>			
				MPH								20 inch nozzle spacing			
				4	5	6	8	10	12	15	20	2	3	4	5
01	VC	30	0.09	6.7	5.3	4.5	3.3	2.7	2.2	1.8	1.3	0.31	0.20	0.15	0.12
	VC	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
	VC	50	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15
	C	60	0.12	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
	C	70	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18
	C	80	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	C	90	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
C	100	0.16	11.9	9.5	7.9	5.9	4.8	4.0	3.2	2.4	0.55	0.36	0.27	0.22	
015	VC	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18
	VC	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
	VC	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	C	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	C	70	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
	C	80	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29
	C	90	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
C	100	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33	
02	VC	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	VC	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
	VC	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	C	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	C	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	C	80	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
	C	90	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
C	100	0.32	23.8	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.09	0.73	0.55	0.44	
025	XC	30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	VC	40	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
	VC	50	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
	C	60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42
	C	70	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
	C	80	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
	C	90	0.38	28.2	22.6	18.8	14.1	11.3	9.4	7.5	5.6	1.30	0.86	0.65	0.52
C	100	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	
03	XC	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	XC	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
	VC	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
	C	60	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
	C	70	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
	C	80	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
	C	90	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
C	100	0.47	34.9	27.9	23.3	17.4	14.0	11.6	9.3	7.0	1.60	1.07	0.80	0.64	
04	XC	30	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
	XC	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
	XC	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	VC	60	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
	VC	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72
	VC	80	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
	VC	90	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
VC	100	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	
05	XC	30	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
	XC	40	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
	XC	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76
	XC	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83
	VC	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.8	2.25	1.50	1.13	0.90
	VC	80	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
	VC	90	0.75	55.7	44.6	37.1	27.8	22.3	18.6	14.9	11.1	2.56	1.71	1.28	1.02
VC	100	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08	
06	XC	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
	XC	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
	XC	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91
	XC	60	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
	VC	70	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08
	VC	80	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
	VC	90	0.90	66.8	53.5	44.6	33.4	26.7	22.3	17.8	13.4	3.07	2.05	1.53	1.23
VC	100	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	
08	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	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
	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	70	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	80	1.13	83.9	67.1	55.9	42.0	33.6	28.0	22.4	16.8	3.85	2.57	1.93	1.54
	XC	90	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
XC	100	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	
10	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	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
	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	70	1.32	98.0	78.4	65.3	49.0	39.2	32.7	26.1	19.6	4.50	3.00	2.25	1.80
	XC	80	1.41												



**Metric Units**

Nozzle Size	Droplet Size 110°	Pressure (bar)	Flow (L/min)	Application Rate L/Ha- 50 cm Spacing KM/H									
				6	8	10	12	14	16	18	20	25	30
01	VC	2	0.33	87	65	52	43	37	33	29	26	21	17
	VC	3	0.40	105	79	63	53	45	39	35	32	25	21
	VC	4	0.46	121	91	73	61	52	45	40	36	29	24
	C	5	0.52	137	103	82	68	59	51	46	41	33	27
	C	6	0.57	150	113	90	75	64	56	50	45	36	30
	C	7	0.61	161	120	96	80	69	60	54	48	39	32
	C	7	0.61	161	120	96	80	69	60	54	48	39	32
015	VC	2	0.49	129	97	77	64	55	48	43	39	31	26
	VC	3	0.60	158	118	95	79	68	59	53	47	38	32
	VC	4	0.69	182	136	109	91	78	68	61	54	44	36
	VC	5	0.77	203	152	122	101	87	76	68	61	49	41
	C	6	0.85	224	168	134	112	96	84	75	67	54	45
	C	7	0.92	242	182	145	121	104	91	81	73	58	48
	C	7	0.92	242	182	145	121	104	91	81	73	58	48
02	VC	2	0.65	171	128	103	86	73	64	57	51	41	34
	VC	3	0.80	211	158	126	105	90	79	70	63	51	42
	VC	4	0.92	242	182	145	121	104	91	81	73	58	48
	VC	5	1.03	271	203	163	136	116	102	90	81	65	54
	VC	6	1.13	297	223	178	149	127	112	99	89	71	59
	C	7	1.22	321	241	193	161	138	120	107	96	77	64
	C	7	1.22	321	241	193	161	138	120	107	96	77	64
025	VC	2	0.82	216	162	129	108	92	81	72	65	52	43
	VC	3	1.00	263	197	158	132	113	99	88	79	63	53
	VC	4	1.15	303	227	182	151	130	113	101	91	73	61
	VC	5	1.29	339	255	204	170	145	127	113	102	81	68
	VC	6	1.41	371	278	223	186	159	139	124	111	89	74
	VC	7	1.53	403	302	242	201	173	151	134	121	97	81
	VC	7	1.53	403	302	242	201	173	151	134	121	97	81
03	XC	2	0.98	258	193	155	129	111	97	86	77	62	52
	XC	3	1.20	316	237	189	158	135	118	105	95	76	63
	VC	4	1.39	366	274	219	183	157	137	122	110	88	73
	VC	5	1.55	408	306	245	204	175	153	136	122	98	82
	VC	6	1.70	447	336	268	224	192	168	149	134	107	89
	VC	7	1.83	482	361	289	241	206	181	161	144	116	96
	VC	7	1.83	482	361	289	241	206	181	161	144	116	96
04	XC	2	1.31	345	259	207	172	148	129	115	103	83	69
	XC	3	1.60	421	316	253	211	180	158	140	126	101	84
	VC	4	1.85	487	365	292	243	209	183	162	146	117	97
	VC	5	2.07	545	409	327	272	233	204	182	163	131	109
	VC	6	2.26	595	446	357	297	255	223	198	178	143	119
	VC	7	2.44	642	482	385	321	275	241	214	193	154	128
	VC	7	2.44	642	482	385	321	275	241	214	193	154	128
05	XC	2	1.63	429	322	257	214	184	161	143	129	103	86
	XC	3	2.00	526	395	316	263	226	197	175	158	126	105
	XC	4	2.31	608	456	365	304	261	228	203	182	146	122
	VC	5	2.58	679	509	407	339	291	255	226	204	163	136
	VC	6	2.83	745	559	447	372	319	279	248	223	179	149
	VC	7	3.06	805	604	483	403	345	302	268	242	193	161
	VC	7	3.06	805	604	483	403	345	302	268	242	193	161
06	XC	2	1.96	516	387	309	258	221	193	172	155	124	103
	XC	3	2.40	632	474	379	316	271	237	211	189	152	126
	XC	4	2.77	729	547	437	364	312	273	243	219	175	146
	VC	5	3.10	816	612	489	408	350	306	272	245	196	163
	VC	6	3.39	892	669	535	446	382	335	297	268	214	178
	VC	7	3.67	966	724	579	483	414	362	322	290	232	193
	VC	7	3.67	966	724	579	483	414	362	322	290	232	193
08	XC	2	2.61	687	515	412	343	294	258	229	206	165	137
	XC	3	3.20	842	632	505	421	361	316	281	253	202	168
	XC	4	3.70	974	730	584	487	417	365	325	292	234	195
	XC	5	4.13	1087	815	652	543	466	408	362	326	261	217
	XC	6	4.53	1192	894	715	596	511	447	397	358	286	238
	XC	7	4.89	1287	965	772	643	552	483	429	386	309	257
	XC	7	4.89	1287	965	772	643	552	483	429	386	309	257
10	XC	2	3.27	861	645	516	430	369	323	287	258	207	172
	XC	3	4.00	1053	789	632	526	451	395	351	316	253	211
	XC	4	4.62	1216	912	729	608	521	456	405	365	292	243
	XC	5	5.16	1358	1018	815	679	582	509	453	407	326	272
	XC	6	5.66	1489	1117	894	745	638	559	496	447	357	298
	XC	7	6.11	1608	1206	965	804	689	603	536	482	386	322
	XC	7	6.11	1608	1206	965	804	689	603	536	482	386	322

Droplet size based on ASABE S572.1 standard.

Features	
Common Use	Weeds
Pattern	Tapered Flat Fan
Technology	Air Induction
Material	Ceramic
Spray Angle	110°
Pressure Range	30-100 PSI (2-7 BAR)
Configuration	Nozzles, FastCap Complete
Optimum Boom Height	
80° - 15" (35 cm) Spacing	22" (56 cm)
80° - 20" (50 cm) Spacing	30" (76 cm)
110° - 15" (35 cm) Spacing	15" (35 cm)
110° - 20" (50 cm) Spacing	20" (50 cm)
Nozzles	FastCaps
AVI-11001	FC-AVI-11001
AVI-110015	FC-AVI-110015
AVI-11002	FC-AVI-11002
AVI-110025	FC-AVI-110025
AVI-11003	FC-AVI-11003
AVI-11004	FC-AVI-11004
AVI-11005	FC-AVI-11005
AVI-11006	FC-AVI-11006
AVI-11008	FC-AVI-11008
AVI-11010	FC-AVI-11010
Replacement Cap Gasket	
22W11MF64	



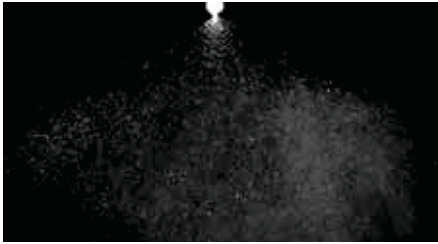
# Guardian 120°



Guardian spray nozzles are ideal for insecticide and fungicide applications especially when used with suspension based adjuvants. The Guardian's unique 20° inclined spray pattern allows users to aim the spray rearward for general spraying, forward for vertical targets, or alternate nozzles to create a twin spray.

- Pre-orifice design for courser spray availability the flat fans
- Delivers a consistent droplet and spray pattern
- A bold arrow indicates incline direction for easy installation
- FastCap complete includes nozzle, cap, gasket and integrated strainers

Nozzle Size	Droplet Size	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing										GAL/1000 Ft <sup>2</sup>				
				MPH										20 inch nozzle spacing				
				4	5	6	8	10	12	15	20	2	3	4	5			
015	M	20	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15			
	M	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18			
	M	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			
	M	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23			
	M	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25			
	M	70	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	80	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29			
	M	90	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			
	M	100	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33			
	M	115	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			
02	M	20	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19			
	M	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23			
	M	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			
	M	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30			
	M	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33			
	M	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35			
	M	80	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			
	M	90	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	100	0.32	23.8	19.0	15.8	11.9	9.5	7.9	6.3	4.8	1.09	0.73	0.55	0.44			
	M	115	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46			
025	M	20	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25			
	M	30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30			
	M	40	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	50	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			
	M	60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42			
	M	70	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			
	M	80	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			
	M	90	0.38	28.2	22.6	18.8	14.1	11.3	9.4	7.5	5.6	1.30	0.86	0.65	0.52			
	M	100	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	115	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			
03	M	20	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29			
	M	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35			
	M	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			
	M	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46			
	M	60	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			
	M	70	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	80	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			
	M	90	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61			
	M	100	0.47	34.9	27.9	23.3	17.4	14.0	11.6	9.3	7.0	1.60	1.07	0.80	0.64			
	M	115	0.51	37.9	30.3	25.2	18.9	15.1	12.6	10.1	7.6	1.74	1.16	0.87	0.70			
04	VC	20	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			
	VC	30	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			
	C	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			
	C	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61			
	C	60	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			
	M	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72			
	M	80	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			
	M	90	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	100	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			
	M	115	0.68	50.5	40.4	33.7	25.2	20.2	16.8	13.5	10.1	2.32	1.55	1.16	0.93			
05	XC	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			
	XC	30	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			
	VC	40	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			
	VC	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76			
	C	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83			
	M	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.8	2.25	1.50	1.13	0.90			
	M	80	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			
	M	90	0.75	55.7	44.6	37.1	27.8	22.3	18.6	14.9	11.1	2.56	1.71	1.28	1.02			
	M	100	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08			
	M	115	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			
06	XC	20	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			
	XC	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			
	VC	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			
	VC	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91			
	C	60	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			
	M	70	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08			
	M	80	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			
	M	90	0.90	66.8	53.5	44.6	33.4	26.7	22.3	17.8	13.4	3.07	2.05	1.53	1.23			
	M	100	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			
	M	115	1.02	75.7	60.6	50.5	37.9	30.3	25.2	20.2	15.1	3.48	2.32	1.74	1.39			
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			
	VC	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			
	C	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	66.1	52.9	44.1	33.0	26.4	22.0	17.6	13.2	3.03	2.02	1.52	1.21			
	M	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			
	M	70	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			
	M	80	1.13	83.9	67.1	55.9	42.0	33.6	28.0	22.4	16.8	3.85	2.57	1.93	1.54			
	M	90	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			
	M	100	1.26															



120° wide, non-air inducted spray pattern for superior coverage in many spraying applications.



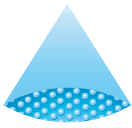
20° pattern incline; alternate nozzles for a twin spray pattern, excellent for suspension based tank mixes.

**Metric Units**

Noz- zle Size	Droplet Size	Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha -50 cm Spacing KM/H							
				7	8	10	12	15	20	25	30
015	-	1,5	0,42	72	63	50	42	34	25	20	17
	M	2	0,49	84	74	59	49	39	29	24	20
	M	3	0,60	103	90	72	60	48	36	29	24
	M	4	0,69	118	104	83	69	55	41	33	28
	M	5	0,77	132	116	92	77	62	46	37	31
	M	6	0,85	146	128	102	85	68	51	41	34
	M	7	0,92	158	138	110	92	74	55	44	37
	F	8	0,98	168	147	118	98	78	59	47	39
02	-	1,5	0,57	98	86	68	57	46	34	27	23
	M	2	0,65	111	98	78	65	52	39	31	26
	M	3	0,80	137	120	96	80	64	48	38	32
	M	4	0,92	158	138	110	92	74	55	44	37
	M	5	1,03	177	155	124	103	82	62	49	41
	M	6	1,13	194	170	136	113	90	68	54	45
	M	7	1,22	209	183	146	122	98	73	59	49
	F	8	1,31	225	197	157	131	105	79	63	52
025	-	1,5	0,71	122	107	85	71	57	43	34	28
	M	2	0,82	141	123	98	82	66	49	39	33
	M	3	1,00	171	150	120	100	80	60	48	40
	M	4	1,15	197	173	138	115	92	69	55	46
	M	5	1,29	221	194	155	129	103	77	62	52
	M	6	1,41	242	212	169	141	113	85	68	56
	M	7	1,53	262	230	184	153	122	92	73	61
	F	8	1,63	279	245	196	163	130	98	78	65
03	C	1,5	0,85	146	128	102	85	68	51	41	34
	M	2	0,98	168	147	118	98	78	59	47	39
	M	3	1,20	206	180	144	120	96	72	58	48
	M	4	1,39	238	209	167	139	111	83	67	56
	M	5	1,55	266	233	186	155	124	93	74	62
	M	6	1,70	291	255	204	170	136	102	82	68
	M	7	1,83	314	275	220	183	146	110	88	73
	F	8	1,96	336	294	235	196	157	118	94	78
04	VC	1,5	1,13	194	170	136	113	90	68	54	45
	VC	2	1,31	225	197	157	131	105	79	63	52
	C	3	1,60	274	240	192	160	128	96	77	64
	C	4	1,85	317	278	222	185	148	111	89	74
	M	5	2,07	355	311	248	207	166	124	99	83
	M	6	2,26	387	339	271	226	181	136	108	90
	M	7	2,44	418	366	293	244	195	146	117	98
	F	8	2,61	447	392	313	261	209	157	125	104
05	XC	1,5	1,41	242	212	169	141	113	85	68	56
	XC	2	1,63	279	245	196	163	130	98	78	65
	VC	3	2,00	343	300	240	200	160	120	96	80
	C	4	2,31	396	347	277	231	185	139	111	92
	M	5	2,58	442	387	310	258	206	155	124	103
	M	6	2,83	485	425	340	283	226	170	136	113
	M	7	3,06	525	459	367	306	245	184	147	122
	F	8	3,27	561	491	392	327	262	196	157	131
06	XC	1,5	1,70	291	255	204	170	136	102	82	68
	XC	2	1,96	336	294	235	196	157	118	94	78
	VC	3	2,40	411	360	288	240	192	144	115	96
	C	4	2,77	475	416	332	277	222	166	133	111
	M	5	3,10	531	465	372	310	248	186	149	124
	M	6	3,39	581	509	407	339	271	203	163	136
	M	7	3,67	629	551	440	367	294	220	176	147
	F	8	3,92	672	588	470	392	314	235	188	157
08	XC	1,5	2,26	387	339	271	226	181	136	108	90
	VC	2	2,61	447	392	313	261	209	157	125	104
	C	3	3,20	549	480	384	320	256	192	154	128
	M	4	3,70	634	555	444	370	296	222	178	148
	M	5	4,13	708	620	496	413	330	248	198	165
	M	6	4,53	777	680	544	453	362	272	217	181
	M	7	4,89	838	734	587	489	391	293	235	196
	F	8	5,23	897	785	628	523	418	314	251	209

Droplet size based on ASABE S572.1 standard.

Features	
Common Use	Plant Health
Pattern	Tapered Flat Fan
Technology	Pre-Orifice
Material	Polyacetal
Spray Angle	120°
Pressure Range	20-115 PSI (1-8 BAR)
Configuration	FastCap Complete
Optimum Boom Height	
15" (35 cm) Spacing	13" (33 cm)
20" (50 cm) Spacing	18" (46 cm)
Part Numbers	
FastCaps® 120°	
GRD120-015	
GRD120-02	
GRD120-025	
GRD120-03	
GRD120-04	
GRD120-05	
GRD120-06	
GRD120-08	
Replacement Nozzle Strainer	
TS02-100	100 mesh strainer for size 015-03
TS02-50	50 mesh strainer for size 04-08
Replacement Cap Gasket	
22W11MF64	



# Lo-Drift 80° & 110°



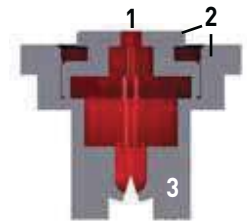
The Lo-Drift is the original drift-reducing nozzle. The special two-part construction includes a pre-orifice, which reduces the number of drift prone droplets.

- Significantly reduces spray drift, widening the operational window
- Balanced droplet size for effective, on-target spray
- Available in acid-resistant PVDF (See page 190)

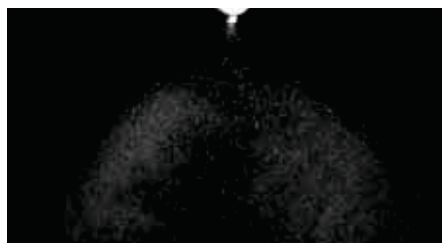
## US Units

Nozzle Size	Droplet Size		Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing										GAL/1000 Ft <sup>2</sup>			
	80°	110°			MPH										20 inch nozzle spacing			
					4	5	6	8	10	12	15	20	2	3	4	5		
015	M	M	20	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15		
	M	M	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18		
	M	M	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		
	M	F	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23		
	M	F	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25		
	M	F	70	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		
02	C	M	20	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19		
	C	M	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23		
	M	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		
	M	F	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30		
	M	F	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33		
	M	F	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35		
025	-	M	20	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25		
	-	M	30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30		
	-	M	40	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	50	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		
	-	M	60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42		
	-	M	70	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		
03	C	C	20	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29		
	C	M	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35		
	C	M	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		
	M	M	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46		
	M	M	60	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		
	M	M	70	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		
04	C	C	20	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		
	C	M	30	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		
	C	M	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		
	M	M	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61		
	M	M	60	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		
	M	M	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72		
05	C	C	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		
	C	C	30	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		
	C	M	40	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		
	C	M	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76		
	C	M	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83		
	M	F	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.8	2.25	1.50	1.13	0.90		
06	VC	VC	20	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		
	VC	C	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		
	C	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		
	C	M	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91		
	C	M	60	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		
	C	M	70	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08		
08	XC	VC	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		
	VC	C	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		
	VC	C	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		
	C	M	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		
	C	M	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		
	C	M	70	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		

Droplet size based on ASABE S572.1 standard.



1. Non-Air Inducted; Pre-orifice design for excellent performance with suspension solutions
2. Dual component construction
3. Material: Polyacetal or PVDF



110° wide, drift reducing design that is excellent for suspension based tank mixes.



Pre-orifice design limits the formation of small droplets; reducing drift potential with a medium droplet spectrum.



See [www.hyprospraytips.com/certifications](http://www.hyprospraytips.com/certifications) for the latest drift reduction standard information.

### Metric Units

Nozzle Size	ASABE Droplet Size		Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha - 50 cm spacing KM/H							Drift Reduction Standards	
	80°	110°			7	8	10	12	15	20	25		30
015	M	M	2	0,49	84	74	59	49	39	29	24	20	LERAP
	M	M	3	0,60	103	90	72	60	48	36	29	24	
	M	F	4	0,69	118	104	83	69	55	41	33	28	
02	C	M	2	0,65	111	98	78	65	52	39	31	26	
	M	F	3	0,80	137	120	96	80	64	48	38	32	
	M	F	4	0,92	158	138	110	92	74	55	44	37	
025	-	M	2	0,82	141	123	98	82	66	49	39	33	
	-	M	3	1,00	171	150	120	100	80	60	48	40	
	-	F	4	1,15	197	173	138	115	92	69	55	46	
03	C	M	2	0,98	168	147	118	98	78	59	47	39	
	C	M	3	1,20	206	180	144	120	96	72	58	48	
	M	M	4	1,39	238	209	167	139	111	83	67	56	
04	C	M	2	1,31	225	197	157	131	105	79	63	52	
	C	M	3	1,60	274	240	192	160	128	96	77	64	
	M	M	4	1,85	317	278	222	185	148	111	89	74	
05	C	C	2	1,63	279	245	196	163	130	98	78	65	
	C	M	3	2,00	343	300	240	200	160	120	96	80	
	C	M	4	2,31	396	347	277	231	185	139	111	92	
06	VC	C	2	1,96	336	294	235	196	157	118	94	78	75% + 2.0-3.0 BAR
	C	M	3	2,40	411	360	288	240	192	144	115	96	
	C	M	4	2,77	475	416	332	277	222	166	133	111	
08	VC	C	2	2,61	447	392	313	261	209	157	125	104	
	VC	C	3	3,20	549	480	384	320	256	192	154	128	
	C	M	4	3,70	634	555	444	370	296	222	178	148	

Droplet size based on ASABE S572.1 standard.

Features	
Common Use	Plant Health
Pattern	Tapered Flat Fan
Technology	Pre-Orifice
Material	Polyacetal
Spray Angle	80° & 110°
Pressure Range	20-70 PSI (1-5 BAR)
Configuration	Nozzles, FastCap
Optimum Boom Height	
80° - 15" (35 cm) Spacing	22" (56 cm)
80° - 20" (50 cm) Spacing	30" (76 cm)
110° - 15" (35 cm) Spacing	15" (35 cm)
110° - 20" (50 cm) Spacing	20" (50 cm)
Part Numbers	
Nozzles 80°	Caps (25 Packs)
LD80-015	CAP00-015
LD80-02	CAP00-02
LD80-03	CAP00-03
LD80-04	CAP00-04
LD80-05	CAP00-05
LD80-06	CAP00-06
LD80-08	CAP00-08
Nozzles 110°	Caps (25 Packs)
LD110-015	CAP00-015
LD110-02	CAP00-02
LD110-025*	CAP00-025
LD110-03	CAP00-03
LD110-04*	CAP00-04
LD110-05*	CAP00-05
LD110-06*	CAP00-06
LD110-08	CAP00-08

\*Approved by JKI





# Ceramic ADI 110°



The Albus® ADI anti-drift spray nozzle provides a versatile balance of drift reduction and target coverage. The proven pre-orifice design creates droplets that are well suited for a wide range of spray applications. The ceramic orifice resists wear better than other materials and will provide acre after acre of service.

- Droplet size balances drift reduction and target coverage
- Simple and effective pre-orifice design
- Versatile and long-lasting nozzle

## US Units

Nozzle Size	Droplet Size	Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing MPH								GAL/1000 Ft <sup>2</sup> 20 inch nozzle spacing				
				4	5	6	8	10	12	15	20	2	3	4	5	
01	M	30	0.09	6.7	5.3	4.5	3.3	2.7	2.2	1.8	1.3	0.31	0.20	0.15	0.12	
	M	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	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15	
	F	60	0.12	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16	
	F	70	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18	
015	M	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18	
	M	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	
	M	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23	
	M	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25	
	M	70	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	
02	M	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23	
	M	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	
	M	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30	
	M	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33	
	M	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35	
03	C	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35	
	M	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	
	M	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46	
	M	60	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	
	M	70	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	
04	VC	30	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	
	C	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	
	C	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61	
	C	60	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	
	M	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72	

Droplet size based on ASABE S572.1 standard.

## Metric Units

Nozzle Size	Droplet Size	Pressure (PSI)	Flow Rate (L/min)	Gallons per Acre 20 inch nozzle spacing MPH									
				6	8	10	12	14	16	18	20	25	30
01	F	2	0.33	87	65	52	43	37	33	29	26	21	17
	F	3	0.40	105	79	63	53	45	39	35	32	25	21
	F	4	0.46	121	91	73	61	52	45	40	36	29	24
	VF	5	0.52	137	103	82	68	59	51	46	41	33	27
02	F	2	0.49	129	97	77	64	55	48	43	39	31	26
	F	3	0.60	158	118	95	79	68	59	53	47	38	32
	F	4	0.69	182	136	109	91	78	68	61	54	44	36
	F	5	0.77	203	152	122	101	87	76	68	61	49	41
03	M	2	0.65	171	128	103	86	73	64	57	51	41	34
	M	3	0.80	211	158	126	105	90	79	70	63	51	42
	F	4	0.92	242	182	145	121	104	91	81	73	58	48
	F	5	1.03	271	203	163	136	116	102	90	81	65	54
04	M	2	0.98	258	193	155	129	111	97	86	77	62	52
	M	3	1.20	316	237	189	158	135	118	105	95	76	63
	M	4	1.39	366	274	219	183	157	137	122	110	88	73
	F	5	1.55	408	306	245	204	175	153	136	122	98	82
05	M	2	1.31	345	259	207	172	148	129	115	103	83	69
	M	3	1.60	421	316	253	211	180	158	140	126	101	84
	M	4	1.85	487	365	292	243	209	183	162	146	117	97
	M	5	2.07	545	409	327	272	233	204	182	163	131	109
06	M	2	1.96	516	387	309	258	221	193	172	155	124	103
	M	3	2.40	632	474	379	316	271	237	211	189	152	126
	M	4	2.77	729	547	437	364	312	273	243	219	175	146
	M	5	3.10	816	612	489	408	350	306	272	245	196	163

Droplet size based on ASABE S572.1 standard.

Features	
Common Use	Plant Health
Pattern	Tapered Flat Fan
Technology	Air Induction
Material	Ceramic
	110°
Pressure Range	30-70 PSI [2-5 BAR]
Configuration	Nozzles
Optimum Boom Height	
15" [35 cm] Spacing	15" [35 cm]
20" [50 cm] Spacing	20" [50 cm]
Part Numbers	
Nozzles 110°	Caps [25 Pack]
ADI-11001	CAP00-01
ADI-110015	CAP00-015
ADI-11002	CAP00-02
ADI-11003	CAP00-03
ADI-11004	CAP00-04

# SprayIT Mobile App

## Select the right nozzle sized for your application

- Choose 'Select by Application' for a full list of nozzles that fit your application requirements
- Choose 'Select by Chemical' (US only) for a recommended nozzle family based on the chemical you are using
- Search for a specific nozzle or chemical directly from the home screen
- Integrated Where to Buy tool makes purchasing easy
- Available in US and Metric Units and multiple languages



Search  
'SprayIT' on the  
Apple Store or  
Android Market



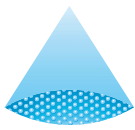
# SprayIT Online Calculator

The SprayIT Calculator is an easy-to-use tool that will help you find the right spray nozzle for your desired application. Simply answer a few questions about your specific application and we'll supply you the best nozzles for that application.

This tool is available on the Hypro website or as a mobile app available for both Apple and Android devices.

[sprayit.hyprospraytips.com](http://sprayit.hyprospraytips.com)





# Variable Pressure 80° & 110°



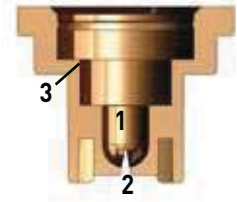
Variable Pressure nozzle maintain a consistent spray angle over a wide pressure range down to 20 PSI [1 BAR] and are available in 80° and 110° versions to work with different boom heights.

- Adjustable droplet size according to pressure
- Maintains good spray distribution and makes larger droplets at low pressures
- FastCap includes nozzle, cap and gasket
- Excellent nozzle for a wide variety of herbicide and insecticide applications

## US Units

Nozzle Size	Droplet Size		Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing								GAL/1000ft <sup>2</sup>			
	80°	110°			MPH								20 inch nozzle spacing			
					4	5	6	8	10	12	15	20	2	3	4	5
015	-	-	20	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15
	F	F	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18
	F	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	F	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	F	F	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	VF	VF	70	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
02	-	-	20	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	F	F	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	F	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	F	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	F	F	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	F	F	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
025	-	M	20	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	-	M	30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	-	M	40	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	50	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
	-	M	60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42
	-	M	70	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
03	M	M	20	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29
	M	M	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	F	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	F	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
	F	F	60	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
	F	F	70	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
035	-	M	20	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	30	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	40	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
	-	M	50	0.39	29.0	23.2	19.3	14.5	11.6	9.7	7.7	5.8	1.33	0.89	0.66	0.53
	-	M	60	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
	-	M	70	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
04	C	M	20	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
	M	M	30	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
	M	M	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	F	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	F	F	60	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
	F	F	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72
05	C	M	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
	C	M	30	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
	M	M	40	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
	M	M	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76
	M	M	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83
	M	M	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.8	2.25	1.50	1.13	0.90
06	C	M	20	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
	C	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	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	M	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91
	M	M	60	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
	M	M	70	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08
08	-	C	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
	-	C	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
	-	C	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
	-	C	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
	-	C	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
	-	C	70	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	-	C	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
	-	C	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
	-	C	40	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
	-	C	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
	-	C	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
	-	C	70	1.32	98.0	78.4	65.3	49.0	39.2	32.7	26.1	19.6	4.50	3.00	2.25	1.80
15	-	C	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
	-	C	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
	-	C	40	1.50	111	89.1	74.3	55.7	44.6	37.1	29.7	22.3	5.12	3.41	2.56	2.05
	-	C	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
	-	C	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
	-	C	70	1.98	147	118	98.0	73.5	58.8	49.0	39.2	29.4	6.75	4.50	3.38	2.70

Droplet size based on ASABE S572.1 standard.



1. Non-Air Inducted; single inlet/outlet design
2. Fully formed spray pattern at low pressures
3. Enhanced polyacetal for superior product life



Low pressure performance allows for complete pattern formation and even coverage down to 15 psi (1 BAR).



Dense spray pattern of medium to fine droplets provides superior coverage.

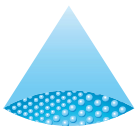
### Metric Units

Nozzle Size	ASEBE Droplet Size		Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha -50 cm spacing							
	80°	110°			KM/H							
					7	8	10	12	15	20	25	30
015	-	-	1	0,35	60	53	42	35	28	21	17	14
	-	-	1,5	0,42	72	63	50	42	34	25	20	17
	F	F	2	0,49	84	74	59	49	39	29	24	20
	F	F	3	0,60	103	90	72	60	48	36	29	24
	VF	VF	4	0,69	118	104	83	69	55	41	33	28
			5	0,77	132	116	92	77	62	46	37	31
02	-	-	1	0,46	79	69	55	46	37	28	22	18
	-	-	1,5	0,57	98	86	68	57	46	34	27	23
	F	F	2	0,65	111	98	78	65	52	39	31	26
	F	F	3	0,80	137	120	96	80	64	48	38	32
	F	F	4	0,92	158	138	110	92	74	55	44	37
			5	1,03	177	155	124	103	82	62	49	41
025	-	M	1	0,58	99	87	70	58	46	35	28	23
	-	M	1,5	0,71	122	107	85	71	57	43	34	28
	-	F	2	0,82	141	123	98	82	66	49	39	33
	-	F	3	1,00	171	150	120	100	80	60	48	40
	-	F	4	1,15	197	173	138	115	92	69	55	46
			5	1,29	221	194	155	129	103	77	62	52
03	C	M	1	0,69	118	104	83	69	55	41	33	28
	M	M	1,5	0,85	146	128	102	85	68	51	41	34
	M	F	2	0,98	168	147	118	98	78	59	47	39
	F	F	3	1,20	206	180	144	120	96	72	58	48
	F	F	4	1,39	238	209	167	139	111	83	67	56
			5	1,55	266	233	186	155	124	93	74	62
035	-	M	1	0,81	139	122	97	81	65	49	39	32
	-	M	1,5	0,99	170	149	119	99	79	59	48	40
	-	M	2	1,14	195	171	137	114	91	68	55	46
	-	F	3	1,40	240	210	168	140	112	84	67	56
	-	F	4	1,62	278	243	194	162	130	97	78	65
			5	1,81	310	272	217	181	145	109	87	72
04	C	M	1	0,92	158	138	110	92	74	55	44	37
	C	M	1,5	1,13	194	170	136	113	90	68	54	45
	M	M	2	1,31	225	197	157	131	105	79	63	52
	M	F	3	1,60	274	240	192	160	128	96	77	64
	F	F	4	1,85	317	278	222	185	148	111	89	74
			5	2,07	355	311	248	207	166	124	99	83
05	C	M	1	1,15	197	173	138	115	92	69	55	46
	C	M	1,5	1,41	242	212	169	141	113	85	68	56
	C	M	2	1,63	279	245	196	163	130	98	78	65
	M	F	3	2,00	343	300	240	200	160	120	96	80
	M	F	4	2,31	396	347	277	231	185	139	111	92
			5	2,58	442	387	310	258	206	155	124	103
06	C	C	1	1,39	238	209	167	139	111	83	67	56
	C	M	1,5	1,70	291	255	204	170	136	102	82	68
	C	M	2	1,96	336	294	235	196	157	118	94	78
	M	M	3	2,40	411	360	288	240	192	144	115	96
	M	F	4	2,77	475	416	332	277	222	166	133	111
			5	3,10	531	465	372	310	248	186	149	124
08	-	C	1	1,85	317	278	222	185	148	111	89	74
	-	C	1,5	2,26	387	339	271	226	181	136	108	90
	-	M	2	2,61	447	392	313	261	209	157	125	104
	-	M	3	3,20	549	480	384	320	256	192	154	128
	-	M	4	3,70	634	555	444	370	296	222	178	148
			5	4,13	708	620	496	413	330	248	198	165
10	-	C	1	2,31	396	347	277	231	185	139	111	92
	-	C	1,5	2,83	485	425	340	283	226	170	136	113
	-	M	2	3,27	561	491	392	327	262	196	157	131
	-	M	3	4,00	686	600	480	400	320	240	192	160
	-	F	4	4,62	792	693	554	462	370	277	222	185
			5	5,16	885	774	619	516	413	310	248	206
15	-	VC	1	3,46	593	519	415	346	277	208	166	138
	-	C	1,5	4,24	727	636	509	424	339	254	204	170
	-	C	2	4,90	840	735	588	490	392	294	235	196
	-	M	3	6,00	1029	900	720	600	480	360	288	240
	-	M	4	6,93	1188	1040	832	693	554	416	333	277
			5	7,75	1329	1163	930	775	620	465	372	310

Droplet size based on ASABE S572.1 standard.

Features	
Common Use	General
Pattern	Tapered Flat Fan
Technology	Elliptical Orifice
Material	Polycetal
Spray Angle	80° & 110°
Pressure Range	20-70 PSI (1-5 BAR)
Configuration	Nozzles, FastCap
Optimum Boom Height	
80° - 15" (35 cm) Spacing	22" (56 cm)
80° - 20" (50 cm) Spacing	30" (76 cm)
110° - 15" (35 cm) Spacing	15" (35 cm)
110° - 20" (50 cm) Spacing	20" (50 cm)
Part Numbers	
Nozzles 80°	FastCaps 80°
VP80-015	FC-VP80-015
VP80-02	FC-VP80-02
VP80-03	FC-VP80-03
VP80-04	FC-VP80-04
VP80-05	FC-VP80-05
VP80-06	FC-VP80-06
Nozzles 110°	FastCaps 110°
VP110-015	FC-VP110-015
VP110-02	FC-VP110-02
VP110-025	FC-VP110-025
VP110-03*	FC-VP110-03
VP110-035	FC-VP110-035
VP110-04*	FC-VP110-04
VP110-05*	FC-VP110-05
VP110-06	FC-VP110-06
VP110-08	FC-VP110-08
VP110-10	FC-VP110-10
VP110-15	FC-VP110-15
Replacement Cap Gasket	
22W11MF64	

\*Approved by JKI



# Total Range 80° & 110°

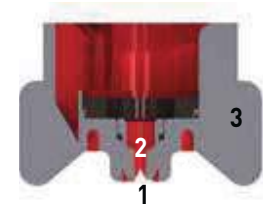


The TR (Total Range) nozzle series consists of a metal insert that is held in a plastic carrier. The nozzles are able to maintain a constant spray angle over a wide pressure range down to 20 psi (1 bar).

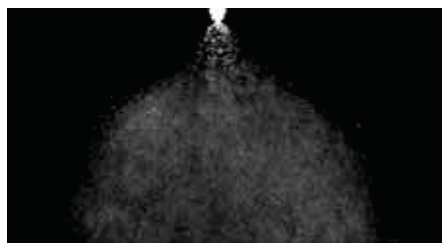
- Adjustable droplet size according to pressure
- Insert is precision-machined stainless steel and carrier is molded in tough and durable polyacetal
- Maintains good spray distribution and makes larger droplets at low pressures
- FastCap includes nozzle, cap and gasket
- Excellent nozzle for insecticide and fungicide applications

## US Units

Nozzle Size	Droplet Size		Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing MPH								GAL/1000 Ft <sup>2</sup> 20 inch nozzle spacing			
	80°	110°			4	5	6	8	10	12	15	20	2	3	4	5
01	F	F	20	0.07	5.2	4.2	3.5	2.6	2.1	1.7	1.4	1.0	0.24	0.16	0.12	0.10
	F	F	30	0.09	6.7	5.3	4.5	3.3	2.7	2.2	1.8	1.3	0.31	0.20	0.15	0.12
	VF	VF	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
	VF	VF	50	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15
	VF	VF	60	0.12	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16
015	F	F	20	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15
	F	F	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18
	F	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	F	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	VF	VF	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
02	M	M	20	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	F	F	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	F	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	F	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	VF	F	70	0.26	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
03	M	M	20	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29
	M	M	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	F	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	F	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
	F	F	70	0.40	27.5	22.0	18.3	13.7	11.0	9.2	7.3	5.5	1.26	0.84	0.63	0.50
04	C	C	20	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
	M	M	30	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
	M	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	F	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	F	F	70	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
05	C	C	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
	C	M	30	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
	M	F	40	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
	M	F	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76
	F	F	70	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83
06	C	C	20	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
	C	C	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	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	M	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91
	M	F	70	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
08	C	C	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
	C	C	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
	C	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	M	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
	M	M	70	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
10	VC	VC	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
	VC	C	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
	C	M	40	1.00	74.3	59.4	49.5	37.1	29.7	24.8	19.8	14.9	3.41	2.27	1.71	1.36
	C	M	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
	M	M	70	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
15	VC	VC	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
	VC	VC	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
	C	C	40	1.50	111	89.1	74.3	55.7	44.6	37.1	29.7	22.3	5.12	3.41	2.56	2.05
	C	M	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
	C	M	70	1.84	137	109	91.1	68.3	54.6	45.5	36.4	27.3	6.27	4.18	3.14	2.51
			1.98	147	118	98.0	73.5	58.8	49.0	39.2	29.4	6.75	4.50	3.38	2.70	



1. Non-Air Inducted; single inlet/outlet design
2. Stainless Steel insert available in a wide flow range
3. Available in a Fastcap option for easy installation



80° or 110° wide spray pattern producing a smaller droplet spectrum with a stainless steel orifice.



Dense spray pattern of smaller droplets to match many insecticide and fungicide applications.

### Metric Units

Nozzle Size	Droplet Size		Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha - 50 cm spacing KM/H							
	80°	110°			7	8	10	12	15	20	25	30
01	M	F	1	0.23	39	35	28	23	18	14	11	9
	F	F	1.5	0.28	48	42	34	28	22	17	13	11
	F	F	2	0.33	57	50	40	33	26	20	16	13
	VF	VF	3	0.40	69	60	48	40	32	24	19	16
	VF	VF	4	0.46	79	69	55	46	37	28	22	18
VF	VF	5	0.52	89	78	62	52	42	31	25	21	
015	M	M	1	0.35	60	53	42	35	28	21	17	14
	F	F	1.5	0.42	72	63	50	42	34	25	20	17
	F	F	2	0.49	84	74	59	49	39	29	24	20
	F	F	3	0.60	103	90	72	60	48	36	29	24
	VF	VF	4	0.69	118	104	83	69	55	41	33	28
VF	VF	5	0.77	132	116	92	77	62	46	37	31	
02	M	M	1	0.46	79	69	55	46	37	28	22	18
	F	F	1.5	0.57	98	86	68	57	46	34	27	23
	F	F	2	0.65	111	98	78	65	52	39	31	26
	F	F	3	0.80	137	120	96	80	64	48	38	32
	VF	F	4	0.92	158	138	110	92	74	55	44	37
VF	F	5	1.03	177	155	124	103	82	62	49	41	
03	C	M	1	0.69	118	104	83	69	55	41	33	28
	M	M	1.5	0.85	146	128	102	85	68	51	41	34
	M	M	2	0.98	168	147	118	98	78	59	47	39
	F	F	3	1.20	206	180	144	120	96	72	58	48
	F	F	4	1.39	238	209	167	139	111	83	67	56
F	F	5	1.55	266	233	186	155	124	93	74	62	
04	C	C	1	0.92	158	138	110	92	74	55	44	37
	M	M	1.5	1.13	194	170	136	113	90	68	54	45
	M	M	2	1.31	225	197	157	131	105	79	63	52
	M	F	3	1.60	274	240	192	160	128	96	77	64
	F	F	4	1.85	317	278	222	185	148	111	89	74
F	F	5	2.07	355	311	248	207	166	124	99	83	
05	C	C	1	1.15	197	173	138	115	92	69	55	46
	C	M	1.5	1.41	242	212	169	141	113	85	68	56
	C	M	2	1.63	279	245	196	163	130	98	78	65
	M	F	3	2.00	343	300	240	200	160	120	96	80
	M	F	4	2.31	396	347	277	231	185	139	111	92
F	F	5	2.58	442	387	310	258	206	155	124	103	
06	C	C	1	1.39	238	209	167	139	111	83	67	56
	C	C	1.5	1.70	291	255	204	170	136	102	82	68
	C	C	2	1.96	336	294	235	196	157	118	94	78
	M	M	3	2.40	411	360	288	240	192	144	115	96
	M	M	4	2.77	475	416	332	277	222	166	133	111
M	F	5	3.10	531	465	372	310	248	186	149	124	
08	VC	C	1	1.85	317	278	222	185	148	111	89	74
	C	C	1.5	2.26	387	339	271	226	181	136	108	90
	C	C	2	2.61	447	392	313	261	209	157	125	104
	C	M	3	3.20	549	480	384	320	256	192	154	128
	M	M	4	3.70	634	555	444	370	296	222	178	148
M	M	5	4.13	708	620	496	413	330	248	198	165	
10	VC	VC	1	2.31	396	347	277	231	185	139	111	92
	VC	C	1.5	2.83	485	425	340	283	226	170	136	113
	VC	C	2	3.27	561	491	392	327	262	196	157	131
	C	M	3	4.00	686	600	480	400	320	240	192	160
	C	M	4	4.62	792	693	554	462	370	277	222	185
M	M	5	5.16	885	774	619	516	413	310	248	206	
15	XC	VC	1	3.46	593	519	415	346	277	208	166	138
	VC	VC	1.5	4.24	727	636	509	424	339	254	204	170
	VC	VC	2	4.90	840	735	588	490	392	294	235	196
	C	C	3	6.00	1029	900	720	600	480	360	288	240
	C	M	4	6.93	1188	1040	832	693	554	416	333	277
C	M	5	7.75	1329	1163	930	775	620	465	372	310	

Droplet size based on ASABE S572.1 standard.

Features	
Common Use	General
Pattern	Tapered Flat Fan
Technology	Elliptical Orifice
Material	Stainless Steel
Spray Angle	80° & 110°
Pressure Range	20-70 PSI (1-5 BAR)
Configuration	Nozzles, FastCap
Optimum Boom Height	
80° - 15" (35 cm) Spacing	22" (56 cm)
80° - 20" (50 cm) Spacing	30" (76 cm)
110° - 15" (35 cm) Spacing	15" (35 cm)
110° - 20" (50 cm) Spacing	20" (50 cm)
Part Numbers	
Nozzles 80°	FastCaps 80°
TR80-01	FC-TR80-01
TR80-015	FC-TR80-015
TR80-02	FC-TR80-02
TR80-03	FC-TR80-03
TR80-04	FC-TR80-04
TR80-05	FC-TR80-05
TR80-06	FC-TR80-06
TR80-08	FC-TR80-08
TR80-10*	FC-TR80-10*
TR80-15*	FC-TR80-15*
Nozzles 110°	FastCaps 110°
TR110-01	FC-TR110-01
TR110-015	FC-TR110-015
TR110-02	FC-TR110-02
TR110-03	FC-TR110-03
TR110-04	FC-TR110-04
TR110-05	FC-TR110-05
TR110-06	FC-TR110-06
TR110-08	FC-TR110-08
TR110-10*	FC-TR110-10*
TR110-15*	FC-TR110-15*
Replacement Cap Gasket	
22W11MF64	

\* All stainless steel nozzles





# Ceramic AXI 80° & 110°



The Albus® AXI wide pressure range ceramic spray nozzles are suited for creating numerous fine to medium droplets. The ceramic orifice of the AXI will provide long service life even when spraying abrasive chemicals.

- Adjustable droplet size according to pressure
- Maintains good spray distribution and makes larger droplets at low pressures
- FastCap includes nozzle, cap and gasket
- 80° fan models ideal for use in directed spray applications  
(See page 180 for more information)

## US Units

Nozzle Size	Droplet Size		Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing MPH								GAL/1000 Ft <sup>2</sup> 20 inch nozzle spacing			
	80°	110°			4	5	6	8	10	12	15	20	2	3	4	5
015	F	F	20	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15
	F	F	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18
	F	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	F	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	VF	F	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	VF	F	70	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
02	F	F	20	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	F	F	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	F	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	F	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	F	F	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	F	F	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
03	M	M	20	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29
	M	F	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	M	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	F	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
	F	F	60	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
	F	F	70	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
04	M	M	20	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
	M	M	30	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
	M	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
	M	F	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	F	F	60	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
	F	F	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72
05	M	M	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
	M	M	30	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
	M	F	40	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
	M	F	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76
	M	F	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83
	M	F	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.8	2.25	1.50	1.13	0.90
06	M	M	20	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
	M	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	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	F	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91
	M	F	60	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
	M	F	70	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08

Droplet size based on ASABE S572.1 standard.



### Metric Units

Nozzle Size	Droplet Size		Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha - 50 cm spacing KM/H									
	80°	110°			6	8	10	12	14	16	18	20	25	30
015	F	F	2	0.49	129	97	77	64	55	48	43	39	31	26
	F	F	3	0.60	158	118	95	79	68	59	53	47	38	32
	F	F	4	0.69	182	136	109	91	78	68	61	54	44	36
	VF	F	5	0.77	203	152	122	101	87	76	68	61	49	41
02	M	F	2	0.65	171	128	103	86	73	64	57	51	41	34
	F	F	3	0.80	211	158	126	105	90	79	70	63	51	42
	F	F	4	0.92	242	182	145	121	104	91	81	73	58	48
	F	F	5	1.03	271	203	163	136	116	102	90	81	65	54
03	M	F	2	0.98	258	193	155	129	111	97	86	77	62	52
	M	F	3	1.20	316	237	189	158	135	118	105	95	76	63
	F	F	4	1.39	366	274	219	183	157	137	122	110	88	73
	F	F	5	1.55	408	306	245	204	175	153	136	122	98	82
04	M	M	2	1.31	345	259	207	172	148	129	115	103	83	69
	M	F	3	1.60	421	316	253	211	180	158	140	126	101	84
	M	F	4	1.85	487	365	292	243	209	183	162	146	117	97
	F	F	5	2.07	545	409	327	272	233	204	182	163	131	109
05	M	M	2	1.63	429	322	257	214	184	161	143	129	103	86
	M	F	3	2.00	526	395	316	263	226	197	175	158	126	105
	M	F	4	2.31	608	456	365	304	261	228	203	182	146	122
	M	F	5	2.58	679	509	407	339	291	255	226	204	163	136
06	M	M	2	1.96	516	387	309	258	221	193	172	155	124	103
	M	M	3	2.40	632	474	379	316	271	237	211	189	152	126
	M	F	4	2.77	729	547	437	364	312	273	243	219	175	146
	M	F	5	3.10	816	612	489	408	350	306	272	245	196	163

Droplet size based on ASABE S572.1 standard.

Features	
Common Use	General
Pattern	Tapered Flat Fan
Technology	Elliptical Orifice
Material	Ceramic
Spray Angle	80° & 110°
Pressure Range	20-70 PSI (1.5-5 BAR)
Configuration	Nozzles, FastCap
Optimum Boom Height	
80° - 15" (35 cm) Spacing	22" (56 cm)
80° - 20" (50 cm) Spacing	30" (76 cm)
110° - 15" (35 cm) Spacing	15" (35 cm)
110° - 20" (50 cm) Spacing	20" (50 cm)
Part Numbers	
Nozzles 80°	FastCaps 80°
AXI-80015	FC-AXI-80015
AXI-8002	FC-AXI-8002
AXI-8003	FC-AXI-8003
AXI-8004	FC-AXI-8004
AXI-8005	FC-AXI-8005
AXI-8006	FC-AXI-8006
Nozzles 110°	FastCaps 110°
AXI-110015	FC-AXI-110015
AXI-11002	FC-AXI-11002
AXI-110025	-
AXI-11003	FC-AXI-11003
AXI-11004	FC-AXI-11004
AXI-11005	FC-AXI-11005
AXI-11006	FC-AXI-11006
Replacement Cap Gasket	
22W11MF64	



# VP Tech 80° & 110°

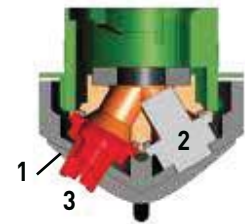


One VP nozzle and a removable blanking insert in a standard TwinCap for 30° inclined spray.

- Variable pressure nozzles maintain constant spray angle over a wide pressure range down to 20 psi (1 bar)
- Available in 80° and 110° versions to work at different boom heights
- Alternate the direction of the incline along the boom for optimum coverage of vertical targets

## US Units

Nozzle Size	Droplet Size		Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing								GAL/1000 <sup>ft</sup>			
	80°	110°			MPH								20 inch nozzle spacing			
					4	5	6	8	10	12	15	20	2	3	4	5
02	-	-	20	0.14	10.4	8.3	6.9	5.2	4.2	3.5	2.8	2.1	0.48	0.32	0.24	0.19
	F	F	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23
	F	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	F	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	F	F	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33
	F	F	70	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
025	-	M	20	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25
	-	F	30	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30
	-	F	40	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
	-	F	50	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
	-	F	60	0.31	23.0	18.4	15.3	11.5	9.2	7.7	6.1	4.6	1.06	0.70	0.53	0.42
	-	F	70	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
03	M	M	20	0.21	15.6	12.5	10.4	7.8	6.2	5.2	4.2	3.1	0.72	0.48	0.36	0.29
	M	F	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35
	F	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	F	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46
	F	F	60	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
	F	F	70	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
035	-	M	20	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
	-	F	30	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	40	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
	-	F	50	0.39	29.0	23.2	19.3	14.5	11.6	9.7	7.7	5.8	1.33	0.89	0.66	0.53
	-	F	60	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
	-	F	70	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
04	C	M	20	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
	M	M	30	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
	M	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	F	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61
	F	F	60	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
	F	F	70	0.53	39.4	31.5	26.2	19.7	15.7	13.1	10.5	7.9	1.81	1.20	0.90	0.72
05	C	M	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
	C	M	30	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
	M	F	40	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
	M	F	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76
	M	F	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83
	M	F	70	0.66	49.0	39.2	32.7	24.5	19.6	16.3	13.1	9.8	2.25	1.50	1.13	0.90
06	C	M	20	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
	C	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	F	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	F	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91
	M	F	60	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
	M	F	70	0.79	58.7	46.9	39.1	29.3	23.5	19.6	15.6	11.7	2.69	1.80	1.35	1.08



1. Inclined spray for vertical targets
2. Removable blanking insert
3. Fully formed spray pattern at low pressures

Droplet size based on ASABE S572.1 standard.



Low pressure performance allows for complete pattern formation and even coverage down to 15 psi (1 BAR).



Inclined 30° spray pattern of medium to fine droplets provides superior coverage and canopy penetration.

**Metric Units**

Nozzle Size	ASABE Droplet Size		Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha - 50 cm spacing KM/H							
	80°	110°			7	8	10	12	15	20	25	30
02	-	-	1	0,46	79	69	55	46	37	28	22	18
	-	-	1,5	0,57	98	86	68	57	46	34	27	23
	F	F	2	0,65	111	98	78	65	52	39	31	26
	F	F	3	0,80	137	120	96	80	64	48	38	32
	F	F	4	0,92	158	138	110	92	74	55	44	37
025	-	M	1	0,58	99	87	70	58	46	35	28	23
	-	M	1,5	0,71	122	107	85	71	57	43	34	28
	-	F	2	0,82	141	123	98	82	66	49	39	33
	-	F	3	1,00	171	150	120	100	80	60	48	40
	-	F	4	1,15	197	173	138	115	92	69	55	46
03	-	F	5	1,29	221	194	155	129	103	77	62	52
	C	M	1	0,69	118	104	83	69	55	41	33	28
	M	M	1,5	0,85	146	128	102	85	68	51	41	34
	M	F	2	0,98	168	147	118	98	78	59	47	39
	F	F	3	1,20	206	180	144	120	96	72	58	48
035	F	F	4	1,39	238	209	167	139	111	83	67	56
	F	F	5	1,55	266	233	186	155	124	93	74	62
	-	M	1	0,81	139	122	97	81	65	49	39	32
	-	M	1,5	0,99	170	149	119	99	79	59	48	40
	-	M	2	1,14	195	171	137	114	91	68	55	46
04	-	F	3	1,40	240	210	168	140	112	84	67	56
	-	F	4	1,62	278	243	194	162	130	97	78	65
	-	F	5	1,81	310	272	217	181	145	109	87	72
	C	M	1	0,92	158	138	110	92	74	55	44	37
	C	M	1,5	1,13	194	170	136	113	90	68	54	45
05	M	M	2	1,31	225	197	157	131	105	79	63	52
	M	F	3	1,60	274	240	192	160	128	96	77	64
	F	F	4	1,85	317	278	222	185	148	111	89	74
	F	F	5	2,07	355	311	248	207	166	124	99	83
	C	M	1	1,15	197	173	138	115	92	69	55	46
06	C	M	1,5	1,41	242	212	169	141	113	85	68	56
	C	M	2	1,63	279	245	196	163	130	98	78	65
	M	F	3	2,00	343	300	240	200	160	120	96	80
	M	F	4	2,31	396	347	277	231	185	139	111	92
	M	F	5	2,58	442	387	310	258	206	155	124	103
06	C	C	1	1,39	238	209	167	139	111	83	67	56
	C	M	1,5	1,70	291	255	204	170	136	102	82	68
	C	M	2	1,96	336	294	235	196	157	118	94	78
	M	M	3	2,40	411	360	288	240	192	144	115	96
	M	F	4	2,77	475	416	332	277	222	166	133	111
06	M	F	5	3,10	531	465	372	310	248	186	149	124

Droplet size based on ASABE S572.1 standard.

Features	
Common Use	General
Pattern	Tapered Flat Fan
Technology	Elliptical Orifice
Material	Polycetal
Spray Angle	80° & 110°
Pressure Range	20-70 PSI (1-5 BAR)
Configuration	TwinCap
Optimum Boom Height	
80° - 15" (35 cm) Spacing	20" (51 cm)
80° - 20" (50 cm) Spacing	28" (71 cm)
110° - 15" (35 cm) Spacing	13" (33 cm)
110° - 20" (50 cm) Spacing	18" (46 cm)
Part Numbers	
TwinCap 80°	TwinCap 110°
VPT80-02	VPT110-02
-	VPT110-025
VPT80-03	VPT110-03
-	VPT110-035
VPT80-04	VPT110-04
VPT80-05	VPT110-05
VPT80-06	VPT110-06
Replacement Parts	
VPTCAP	Cap & Blanking Insert
30Q3834	Blanking Insert
22W11MF64	Cap Gasket

Add suffix "-H" for Hardi compatible products



# FanTip 80° & 110°



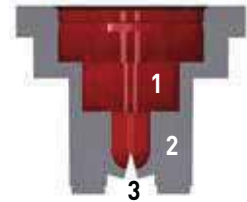
The FanTip is a general spray nozzle that produces a mixed droplet spectrum over the 30-60 psi (2-4 bar) operational pressure range. It is good for broadcast applications.

- Economical option for general spraying
- Simple one-piece design
- Polyacetal construction for superior product life compared to stainless steel or brass

## US Units

Nozzle Size	Droplet Size		Pressure (PSI)	Flow Rate (GPM)	Gallons per Acre 20 inch nozzle spacing MPH										GAL/1000 Ft <sup>2</sup> 20 inch nozzle spacing			
	80°	110°			4	5	6	8	10	12	15	20	2	3	4	5		
0067	F	-	30	0.058	4.3	3.4	2.9	2.2	1.7	1.4	1.1	0.9	0.20	0.13	0.10	0.08		
	VF	-	40	0.067	5.0	4.0	3.3	2.5	2.0	1.7	1.3	1.0	0.23	0.15	0.11	0.09		
	VF	-	50	0.075	5.6	4.5	3.7	2.8	2.2	1.9	1.5	1.1	0.26	0.17	0.13	0.10		
	VF	-	60	0.082	6.1	4.9	4.1	3.0	2.4	2.0	1.6	1.2	0.28	0.19	0.14	0.11		
01	VF	F	30	0.09	6.7	5.3	4.5	3.3	2.7	2.2	1.8	1.3	0.31	0.20	0.15	0.12		
	VF	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		
	VF	F	50	0.11	8.2	6.5	5.4	4.1	3.3	2.7	2.2	1.6	0.38	0.25	0.19	0.15		
	VF	VF	60	0.12	8.9	7.1	5.9	4.5	3.6	3.0	2.4	1.8	0.41	0.27	0.20	0.16		
015	F	F	30	0.13	9.7	7.7	6.4	4.8	3.9	3.2	2.6	1.9	0.44	0.30	0.22	0.18		
	F	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	F	50	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23		
	VF	F	60	0.18	13.4	10.7	8.9	6.7	5.3	4.5	3.6	2.7	0.61	0.41	0.31	0.25		
02	M	F	30	0.17	12.6	10.1	8.4	6.3	5.0	4.2	3.4	2.5	0.58	0.39	0.29	0.23		
	F	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	F	50	0.22	16.3	13.1	10.9	8.2	6.5	5.4	4.4	3.3	0.75	0.50	0.38	0.30		
	F	F	60	0.24	17.8	14.3	11.9	8.9	7.1	5.9	4.8	3.6	0.82	0.55	0.41	0.33		
03	C	F	30	0.26	19.3	15.4	12.9	9.7	7.7	6.4	5.1	3.9	0.89	0.59	0.44	0.35		
	M	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	F	50	0.34	25.2	20.2	16.8	12.6	10.1	8.4	6.7	5.0	1.16	0.77	0.58	0.46		
	F	F	60	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		
04	C	M	30	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		
	M	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		
	M	F	50	0.45	33.4	26.7	22.3	16.7	13.4	11.1	8.9	6.7	1.53	1.02	0.77	0.61		
	F	F	60	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		
05	C	M	30	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		
	M	F	40	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		
	M	F	50	0.56	41.6	33.3	27.7	20.8	16.6	13.9	11.1	8.3	1.91	1.27	0.95	0.76		
	M	F	60	0.61	45.3	36.2	30.2	22.6	18.1	15.1	12.1	9.1	2.08	1.39	1.04	0.83		
06	C	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		
	C	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		
	C	F	50	0.67	49.7	39.8	33.2	24.9	19.9	16.6	13.3	9.9	2.28	1.52	1.14	0.91		
	C	F	60	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		
08	VC	M	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		
	C	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		
	C	M	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		
	C	M	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		
10	VC	C	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		
	C	C	40	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		
	C	C	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		
	C	C	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		
15	VC	C	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		
	VC	C	40	1.50	111	89.1	74.3	55.7	44.6	37.1	29.7	22.3	5.12	3.41	2.56	2.05		
	C	C	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		
	C	C	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		
20	VC	C	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		
	VC	C	40	2.00	149	119	99.0	74.3	59.4	49.5	39.6	29.7	6.82	4.55	3.41	2.73		
	VC	C	50	2.24	166	133	111	83.2	66.5	55.4	44.4	33.3	7.64	5.09	3.82	3.06		
	VC	C	60	2.45	182	146	121	91.0	72.8	60.6	48.5	36.4	8.35	5.57	4.18	3.34		

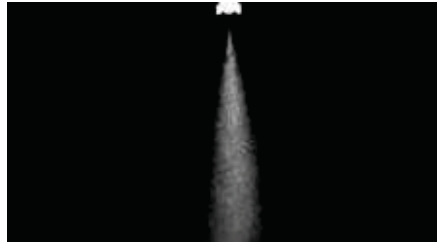
Droplet size based on ASABE S572.1 standard.



1. Simple; Non-Air Inducted technology
2. Polyacetal; single piece design
3. Available in many sizes to meet your flow rate needs



80° or 110° wide spray patterns; broad flow range and droplet spectrum to fit many spraying applications.



Polyacetal construction provides a wear resistant orifice to ensure pattern integrity.

### Metric Units

Nozzle Size	ASABE Droplet Size		Pressure (BAR)	Flow Rate (LPM)	Application Rate L/Ha- 50 cm Spacing KM/H							
	80°	110°			7	8	10	12	15	20	25	30
0067	F	-	2	0,22	38	33	26	22	18	13	11	9
	VF	-	2,5	0,25	43	38	30	25	20	15	12	10
	VF	-	3	0,27	46	41	32	27	22	16	13	11
	VF	-	4	0,31	53	47	37	31	25	19	15	12
01	VF	F	2	0,33	57	50	40	33	26	20	16	13
	VF	F	2,5	0,37	63	56	44	37	30	22	18	15
	VF	F	3	0,40	69	60	48	40	32	24	19	16
	VF	VF	4	0,46	79	69	55	46	37	28	22	18
015	F	F	2	0,49	84	74	59	49	39	29	24	20
	F	F	2,5	0,55	94	83	66	55	44	33	26	22
	F	F	3	0,60	103	90	72	60	48	36	29	24
	VF	F	4	0,69	118	104	83	69	55	41	33	28
02	M	F	2	0,65	111	98	78	65	52	39	31	26
	F	F	2,5	0,73	125	110	88	73	58	44	35	29
	F	F	3	0,80	137	120	96	80	64	48	38	32
	F	F	4	0,92	158	138	110	92	74	55	44	37
03	C	F	2	0,98	168	147	118	98	78	59	47	39
	M	F	2,5	1,10	189	165	132	110	88	66	53	44
	M	F	3	1,20	206	180	144	120	96	72	58	48
	F	F	4	1,39	238	209	167	139	111	83	67	56
04	C	M	2	1,31	225	197	157	131	105	79	63	52
	M	F	2,5	1,46	250	219	175	146	117	88	70	58
	M	F	3	1,60	274	240	192	160	128	96	77	64
	M	F	4	1,85	317	278	222	185	148	111	89	74
05	C	M	2	1,63	279	245	196	163	130	98	78	65
	M	M	2,5	1,83	314	275	220	183	146	110	88	73
	M	F	3	2,00	343	300	240	200	160	120	96	80
	M	F	4	2,31	396	347	277	231	185	139	111	92
06	C	M	2	1,96	336	294	235	196	157	118	94	78
	C	M	2,5	2,19	375	329	263	219	175	131	105	88
	C	M	3	2,40	411	360	288	240	192	144	115	96
	C	F	4	2,77	475	416	332	277	222	166	133	111
08	VC	M	2	2,61	447	392	313	261	209	157	125	104
	C	M	2,5	2,92	501	438	350	292	234	175	140	117
	C	M	3	3,20	549	480	384	320	256	192	154	128
	C	M	4	3,70	634	555	444	370	296	222	178	148
10	VC	C	2	3,27	561	491	392	327	262	196	157	131
	C	C	2,5	3,65	626	548	438	365	292	219	175	146
	C	C	3	4,00	686	600	480	400	320	240	192	160
	C	C	4	4,62	792	693	554	462	370	277	222	185
15	VC	C	2	4,90	840	735	588	490	392	294	235	196
	VC	C	2,5	5,48	939	822	658	548	438	329	263	219
	VC	C	3	6,00	1029	900	720	600	480	360	288	240
	C	C	4	6,93	1188	1040	832	693	554	416	333	277
20	VC	C	2	6,53	1119	980	784	653	522	392	313	261
	VC	C	2,5	7,30	1251	1095	876	730	584	438	350	292
	VC	C	3	8,00	1371	1200	960	800	640	480	384	320
	VC	C	4	9,24	1584	1386	1109	924	739	554	444	370

Droplet size based on ASABE S572.1 standard.

Features		
Common Use	General	
Pattern	Tapered Flat Fan	
Technology	Elliptical Orifice	
Material	Polyacetal	
Spray Angle	80° & 110°	
Pressure Range	30-60 PSI [2-4 BAR]	
Configuration	Nozzle	
Optimum Boom Height		
80° - 15" (35 cm) Spacing	22" (56 cm)	
80° - 20" (50 cm) Spacing	30" (76 cm)	
110° - 15" (35 cm) Spacing	15" (35 cm)	
110° - 20" (50 cm) Spacing	20" (50 cm)	
Part Numbers		
Nozzles 80°	Nozzles 110°	Caps (25 Pack)
F80-0067	-	CAP00-20
F80-01	F110-01	CAP00-01
F80-015	F110-015	CAP00-015
F80-02	F110-02	CAP00-02
F80-03	F110-03	CAP00-03
F80-04	F110-04	CAP00-04
F80-05	F110-05	CAP00-05
F80-06	F110-06	CAP00-06
F80-08	F110-08	CAP00-08
F80-10	F110-10	CAP00-10
F80-15	F110-15	CAP00-15
F80-20	F110-20	CAP00-20