

GUARDIAN 120°

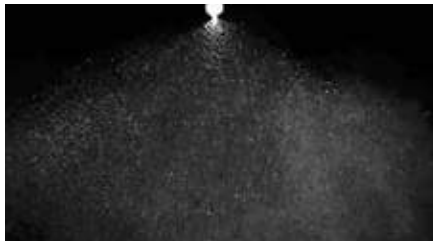


Guardian spray nozzles are ideal for insecticide and fungicide applications especially when used with suspension based adjuvants. The Guardian's unique 20° inclined spray pattern allows users to aim the spray rearward for general spraying, forward for vertical targets, or alternate nozzles to create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

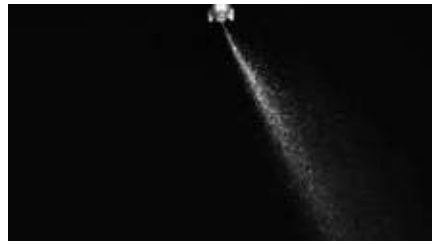
- ◆ Pre-orifice design for courser spray availability the flat fans
- ◆ PWM system compatible
- ◆ A bold arrow indicates incline direction for easy installation
- ◆ FastCap complete includes nozzle, cap, gasket and integrated strainers

US UNITS

Nozzle Size	Droplet Size	Pressure (PSI)	Flow Rate (GPM)	Speed (MPH) - 20 inch nozzle spacing															
				Gallons per Acre															
				2.5	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	40
015	-	20	0.11	12.6	6.3	4.2	3.2	2.5	2.1	1.8	1.6	1.4	1.3	1.1	1.1	1.0	0.9	0.8	0.8
	M	30	0.13	15.4	7.7	5.1	3.9	3.1	2.6	2.2	1.9	1.7	1.5	1.4	1.3	1.2	1.1	1.0	1.0
	M	40	0.15	17.8	8.9	5.9	4.5	3.6	3.0	2.5	2.2	2.0	1.8	1.6	1.5	1.4	1.3	1.2	1.1
	M	50	0.17	19.9	10.0	6.6	5.0	4.0	3.3	2.8	2.5	2.2	2.0	1.8	1.7	1.5	1.4	1.3	1.2
	M	60	0.18	21.8	10.9	7.3	5.5	4.4	3.6	3.1	2.7	2.4	2.2	2.0	1.8	1.7	1.6	1.5	1.4
	F	70	0.20	23.6	11.8	7.9	5.9	4.7	3.9	3.4	2.9	2.6	2.4	2.1	2.0	1.8	1.7	1.6	1.5
	F	80	0.21	25.2	12.6	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5	2.3	2.1	1.9	1.8	1.7	1.6
	F	90	0.23	26.7	13.4	8.9	6.7	5.3	4.5	3.8	3.3	3.0	2.7	2.4	2.2	2.1	1.9	1.8	1.7
	F	100	0.24	28.2	14.1	9.4	7.0	5.6	4.7	4.0	3.5	3.1	2.8	2.6	2.3	2.2	2.0	1.9	1.8
	F	115	0.25	-	15.1	10.1	7.6	6.0	5.0	4.3	3.8	3.4	3.0	2.7	2.5	2.3	2.2	2.0	1.9
02	-	20	0.14	16.8	8.4	5.6	4.2	3.4	2.8	2.4	2.1	1.9	1.7	1.5	1.4	1.3	1.2	1.1	1.1
	M	30	0.17	20.6	10.3	6.9	5.1	4.1	3.4	2.9	2.6	2.3	2.1	1.9	1.7	1.6	1.5	1.4	1.3
	M	40	0.20	23.8	11.9	7.9	5.9	4.8	4.0	3.4	3.0	2.6	2.4	2.2	2.0	1.8	1.7	1.6	1.5
	M	50	0.22	26.6	13.3	8.9	6.6	5.3	4.4	3.8	3.3	3.0	2.7	2.4	2.2	2.0	1.9	1.8	1.7
	M	60	0.24	29.1	14.5	9.7	7.3	5.8	4.8	4.2	3.6	3.2	2.9	2.6	2.4	2.2	2.1	1.9	1.8
	M	70	0.26	-	15.7	10.5	7.9	6.3	5.2	4.5	3.9	3.5	3.1	2.9	2.6	2.4	2.2	2.1	2.0
	M	80	0.28	-	16.8	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1	2.8	2.6	2.4	2.2	2.1
	M	90	0.30	-	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0	2.7	2.5	2.4	2.2
	M	100	0.32	-	18.8	12.5	9.4	7.5	6.3	5.4	4.7	4.2	3.8	3.4	3.1	2.9	2.7	2.5	2.3
	F	115	0.34	-	20.1	13.4	10.1	8.1	6.7	5.8	5.0	4.5	4.0	3.7	3.4	3.1	2.9	2.7	2.5
025	-	20	0.18	21.0	10.5	7.0	5.3	4.2	3.5	3.0	2.6	2.3	2.1	1.9	1.8	1.6	1.5	1.4	1.3
	M	30	0.22	25.7	12.9	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6	2.3	2.1	2.0	1.8	1.7	1.6
	M	40	0.25	29.7	14.9	9.9	7.4	5.9	5.0	4.2	3.7	3.3	3.0	2.7	2.5	2.3	2.1	2.0	1.9
	M	50	0.28	-	16.6	11.1	8.3	6.6	5.5	4.7	4.2	3.7	3.3	3.0	2.8	2.6	2.4	2.2	2.1
	M	60	0.31	-	18.2	12.1	9.1	7.3	6.1	5.2	4.5	4.0	3.6	3.3	3.0	2.8	2.6	2.4	2.3
	M	70	0.33	-	19.6	13.1	9.8	7.9	6.5	5.6	4.9	4.4	3.9	3.6	3.3	3.0	2.8	2.6	2.5
	M	80	0.35	-	21.0	14.0	10.5	8.4	7.0	6.0	5.3	4.7	4.2	3.8	3.5	3.2	3.0	2.8	2.6
	M	90	0.38	-	22.3	14.9	11.1	8.9	7.4	6.4	5.6	5.0	4.5	4.1	3.7	3.4	3.2	3.0	2.8
	M	100	0.40	-	23.5	15.7	11.7	9.4	7.8	6.7	5.9	5.2	4.7	4.3	3.9	3.6	3.4	3.1	2.9
	M	115	0.42	-	25.2	16.8	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.6	4.2	3.9	3.6	3.4	3.1
03	C	20	0.21	25.2	12.6	8.4	6.3	5.0	4.2	3.6	3.2	2.8	2.5	2.3	2.1	1.9	1.8	1.7	1.6
	M	30	0.26	-	15.4	10.3	7.7	6.2	5.1	4.4	3.9	3.4	3.1	2.8	2.6	2.4	2.2	2.1	1.9
	M	40	0.30	-	17.8	11.9	8.9	7.1	5.9	5.1	4.5	4.0	3.6	3.2	3.0	2.7	2.5	2.4	2.2
	M	50	0.34	-	19.9	13.3	10.0	8.0	6.6	5.7	5.0	4.4	4.0	3.6	3.3	3.1	2.8	2.7	2.5
	M	60	0.37	-	21.8	14.5	10.9	8.7	7.3	6.2	5.5	4.8	4.4	4.0	3.6	3.4	3.1	2.9	2.7
	M	70	0.40	-	23.6	15.7	11.8	9.4	7.9	6.7	5.9	5.2	4.7	4.3	3.9	3.6	3.4	3.1	2.9
	M	80	0.42	-	25.2	16.8	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.6	4.2	3.9	3.6	3.4	3.2
	M	90	0.45	-	26.7	17.8	13.4	10.7	8.9	7.6	6.7	5.9	5.3	4.9	4.5	4.1	3.8	3.6	3.3
	M	100	0.47	-	28.2	18.8	14.1	11.3	9.4	8.1	7.0	6.3	5.6	5.1	4.7	4.3	4.0	3.8	3.5
	M	115	0.51	-	30.1	20.1	15.1	12.1	10.1	8.6	7.6	6.7	6.0	5.5	5.0	4.6	4.3	4.0	3.8
04	VC	20	0.28	-	16.8	11.2	8.4	6.7	5.6	4.8	4.2	3.7	3.4	3.1	2.8	2.6	2.4	2.2	2.1
	VC	30	0.35	-	20.6	13.7	10.3	8.2	6.9	5.9	5.1	4.6	4.1	3.7	3.4	3.2	2.9	2.7	2.6
	C	40	0.40	-	23.8	15.8	11.9	9.5	7.9	6.8	5.9	5.3	4.8	4.3	4.0	3.7	3.4	3.2	3.0
	C	50	0.45	-	26.6	17.7	13.3	10.6	8.9	7.6	6.6	5.9	5.3	4.8	4.4	4.1	3.8	3.5	3.3
	C	60	0.49	-	29.1	19.4	14.5	11.6	9.7	8.3	7.3	6.5	5.8	5.3	4.8	4.5	4.2	3.9	3.6
	M	70	0.53	-	31.0	21.0	15.7	12.6	10.5	9.0	7.9	7.0	6.3	5.7	5.2	4.8	4.5	4.2	3.9
	M	80	0.57	-	32.4	22.4	16.8	13.4	11.2	9.6	8.4	7.5	6.7	6.1	5.6	5.2	4.8	4.5	4.2
	M	90	0.60	-	33.8	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1	4.8	4.5
	M	100	0.63	-	35.0	25.0	18.8	15.0	12.5	10.7	9.4	8.3	7.5	6.8	6.3	5.8	5.4	5.0	4.7
	M	115	0.68	-	36.9	26.9	20.1	16.1	13.4	11.5	10.1	9.0	8.1	7.3	6.7	6.2	5.8	5.4	5.0
05	XC	20	0.35	-	21.0	14.0	10.5	8.4	7.0	6.0	5.3	4.7	4.2	3.8	3.5	3.2	3.0	2.8	2.6
	XC	30	0.43	-	25.7	17.1	12.9	10.3	8.6	7.3	6.4	5.7	5.1	4.7	4.3	4.0	3.7	3.4	3.2
	VC	40	0.50	-	29.7	19.8	14.9	11.9	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2	4.0	3.7
	VC	50	0.56	-	33.1	22.1	16.6	13.3	11.1	9.5	8.3	7.4	6.6	6.0	5.5	5.1	4.7	4.4	4.2
	C	60	0.61	-	35.0	24.2	18.2	14.5	12.1	10.4	9.1	8.1	7.3	6.6	6.1	5.6	5.2	4.8	4.5
	M	70	0.66	-	36.9	26.2	19.6	15.7	13.1	11.2	9.8	8.7	7.9	7.1	6.5	6.0	5.6	5.2	4.9
	M	80	0.71	-	38.0	28.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4	7.6	7.0	6.5	6.0	5.6	5.3
	M	90	0.75	-	39.1	29.7	22.3	17.8	14.9	12.7	11.1	9.9	8.9	8.1	7.4	6.9	6.4	5.9	5.6
	M	100	0.79	-	40.1	31.0	24.2	19.6	16.8	14.5	12.7	11.4	10.4	9.4	8.5	7.8	7.2	6.7	6.3
	F	115	0.85	-	42.4	33.1	26.2	21.0	18.8	16.8	14.4	12.6	11.2	10.1	9.2	8.4	7.7	7.2	6.7
06	XC	20	0.42	-	25.2	16.8	12.6	10.1	8.4	7.2	6.3	5.6	5.0	4.6	4.2	3.9	3.6	3.4	3.2
	XC	30	0.52	-	30.6	20.6	15.4	12.3	10.3	8.8	7.7	6.9	6.2	5.6	5.1	4.7	4.4	4.1	3.9
	VC	40	0.60	-	33.8	23.8	17.8	14.3	11.9	10.2	8.9	7.9	7.1	6.5	5.9	5.5	5.1	4.8	4.5
	VC	50	0.67	-	36.9	26.6	19.9	15.9	13.3	11.4	10.0	8.9	8.0	7.2	6.6	6.1	5.7	5.3	5.0
	C	60	0.73	-	39.1	29.1	21.8	17.5	14.5	12.5	10.9	9.7	8.7	7.9	7.3	6.7	6.2	5.8	5.5
	M	70	0.79	-	40.1	31.0	23.6	18.9	15.7	13.5	11.8	10.5							



120° wide, non-air induced 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

Nozzle 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
	F	5	0,77	132	116	92	77	62	46	37	31
	F	6	0,85	146	128	102	85	68	51	41	34
	F	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
	M	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
	M	8	1,96	336	294	235	196	157	119	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
	M	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
	M	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
	F	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	15' (35 cm)
20' (50 cm) Spacing	20' (50 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	
10BG-2270-0150	