

GUARDIANAIR 110°



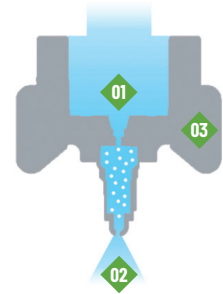
The Hypro GuardianAIR spray nozzle has a unique rearward spray incline provides more uniform coverage. Higher flow nozzles used at faster speeds have a greater spray incline.

- ◆ 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)	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	UC	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	1.0	0.9	0.8	0.8		
	XC	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		
	C	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		
	C	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		
	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		
	M	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		
	M	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		
	M	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		
02	M	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		
	M	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		
	XC	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		
	VC	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		
	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		
	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		
	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		
	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		
025	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		
	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		
	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		
	M	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		
	XC	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		
	VC	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		
	C	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		
	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		
03	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		
	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		
	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		
	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		
	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		
	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		
	UC	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		
	XC	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		
04	VC	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		
	C	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		
	C	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		
	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		
	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		
	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		
	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		
	M	115	0.51	-	-	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		
05	XC	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		
	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		
	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		
	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		
	M	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		
	M	70	0.53	-	-	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		
	M	80	0.57	-	-	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		
	M	90	0.60	-	-	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		
05	M	100	0.63	-	-	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		
	M	115	0.68	-	-	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		
	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		
	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		
	C	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		
	C	50	0.56	-	-	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		
	C	60	0.61	-	-	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		
	M	70	0.66	-	-	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		
05	M	80	0.71	-	-	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		
	M	90	0.75	-	-	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		
	M	100	0.79	-	-	31.3	23.5	18.8	15.7	13.4	11.7	10.4	9.4	8.5	7.8	7.2	6.7	6.3		
	M	115	0.85	-	-	33.6	25.2	20.1	16.8	14.4	12.6	11.2	10.1	9.2	8.4	7.7	7.2	6.7		
	M	115	0.85	-	-	33.6	25.2	20.1	16.8	14.4	12.6	11.2	10.1	9.2	8.4	7.7	7.2	6.7		

Droplet size based on ASABE S572.1 standard.



- 01. Single Inlet; Air Induced Technology
- 02. Inclined spray pattern provides more uniform coverage
- 03. Available in a Fastcap option for easy installation



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



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



Z.N.T.



See <http://pentair.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							Drift Reduction Standards				
				KM/H							LERAP	JKI	Z.N.T.	TCT	
				7	8	10	12	15	20	25					30
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% 1.0-2.0 BAR	50% 1.3-2.0 BAR
	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% 1.0-2.0 BAR Ref # G-1812	66% 1.0-3.0 BAR	50% 1.3-2.0 BAR
	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% 1.0-2.5 BAR Ref # G-1817	66% 1.0-3.0 BAR	75% 1.0-1.5 BAR 50% 1.6-2.5 BAR
	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% 1.5 BAR 50% 1.6-2.5 BAR Ref # G-1813	66% 1.0-4.0 BAR	75% 1.0-1.5 BAR 50% 1.6-2.5 BAR
	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					
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% 1.0-1.5 BAR 50% 1.6-2.5 BAR Ref # G-1814	66% 1.0-4.0 BAR	75% 1.0-1.5 BAR 50% 1.6-4.0 BAR
	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% 1.0-1.5 BAR 50% 1.6-2.5 BAR Ref # G-1815	66% 1.0-4.0 BAR	75% 1.0-1.5 BAR 50% 1.6-4.0 BAR
	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				
	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				
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 (Bags of 10)	
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	
10BG-2270-0150	