



STANDARD NOZZLE SELECTION GUIDE

Type			AD-120			IDK-120		IDK twinjet			ID	
Spray quality standard			ASAE/BCPC			ASAE/BCPC		ASAE/BCPC			ASAE/BCPC	
Nozzle size	Bar											
015 Green	1,5	Pre-Orifice (RUN ABOVE 1.5-2 BAR)	M	Low Pressure Air Induction (RUN ABOVE 2-3 BAR)	C	not available in this size		not available in this size		VC		
	2,0		M		C		C		C			
	3,0		M		C				C			
	4,0		F		M				C			
	5,0		F		M				C			
	6,0		F		F				C			
	7,0								C			
	8,0								M			
02 Yellow	1,5				C	VC	not available in this size				VC	
	2,0		M		C	C		C				
	3,0		M		C			C				
	4,0		M		M			C				
	5,0		F		M			C				
	6,0		F		M			C				
	7,0							C				
	8,0							C				
025 Lilac	1,5				not available in this size	VC	not available in this size				VC	
	2,0					VC					VC	
	3,0					C					VC	
	4,0					C					C	
	5,0					M					C	
	6,0					M					C	
	7,0										C	
	8,0										C	
03 Blue	1,5		C	VC	C				VC			
	2,0		C	VC	C				VC			
	3,0		M	C	C				VC			
	4,0		M	C	M				VC			
	5,0		M	M	M				C			
	6,0		F	M	F				C			
	7,0								C			
	8,0								C			
04 Red	1,5		C	VC	VC				XC			
	2,0		C	VC	C				VC			
	3,0		C	VC	C				VC			
	4,0		M	C	M				VC			
	5,0		M	C	M				VC			
	6,0		M	M	M				C			
	7,0								C			
	8,0								C			
05 Brown	1,5		not available in this size	XC	VC				XC			
	2,0			VC	VC				XC			
	3,0			VC	C				VC			
	4,0			C	C				VC			
	5,0			C	M				VC			
	6,0			M	M				VC			
	7,0								VC			
	8,0								VC			

Water volume (L/ha) at various speeds (km/h) based on a 50cm nozzle spacing

Size	Bar	L/min/nozzle	4	6	8	10	11	12	13	14	15
015 Green	1.5	0.42	126	84	63	50	46	42	39	36	34
	2.0	0.48	145	97	72	58	53	48	45	41	39
	3.0	0.59	178	118	89	71	65	59	55	51	47
	4.0	0.68	205	137	103	82	75	68	63	59	55
	5.0	0.76	229	153	115	92	83	76	71	65	61
	6.0	0.84	251	167	126	100	91	84	77	72	67
	7.0	0.91	272	181	136	109	99	91	84	78	72
	8.0	0.96	287	191	144	115	104	96	88	82	77
02 Yellow	1.5	0.56	167	112	84	67	61	56	52	48	45
	2.0	0.65	194	129	97	77	70	65	60	55	52
	3.0	0.79	237	158	119	95	86	79	73	68	63
	4.0	0.91	274	182	137	109	100	91	84	78	73
	5.0	1.02	306	204	153	122	111	102	94	87	82
	6.0	1.12	335	223	168	134	122	112	103	96	89
	7.0	1.21	362	241	181	145	132	121	111	103	96
	8.0	1.29	387	258	193	155	141	129	119	110	103
025 Lilac	1.5	0.70	209	140	105	84	76	70	64	60	56
	2.0	0.81	242	161	121	97	88	81	74	69	64
	3.0	0.99	296	197	148	118	108	99	91	85	79
	4.0	1.14	342	228	171	137	124	114	105	98	91
	5.0	1.27	382	255	191	153	139	127	118	109	102
	6.0	1.40	419	279	209	168	152	140	129	120	112
	7.0	1.51	452	302	226	181	165	151	139	129	121
	8.0	1.61	484	322	242	193	176	161	149	138	129
03 Blue	1.5	0.84	251	167	126	100	91	84	77	72	67
	2.0	0.97	290	193	145	116	105	97	89	83	77
	3.0	1.18	355	237	178	142	129	118	109	101	95
	4.0	1.37	410	273	205	164	149	137	126	117	109
	5.0	1.53	459	306	229	183	167	153	141	131	122
	6.0	1.68	503	335	251	201	183	168	155	144	134
	7.0	1.81	543	362	271	217	197	181	167	155	145
	8.0	1.93	580	387	290	232	211	193	179	166	155
04 Red	1.5	1.12	335	223	168	134	122	112	103	96	89
	2.0	1.29	387	258	193	155	141	129	119	110	103
	3.0	1.58	474	316	237	189	172	158	146	135	126
	4.0	1.82	547	365	273	219	199	182	168	156	146
	5.0	2.04	612	408	306	245	222	204	188	175	163
	6.0	2.23	670	447	335	268	244	223	206	191	179
	7.0	2.41	724	482	362	289	263	241	223	207	193
	8.0	2.58	774	516	387	309	281	258	238	221	206
05 Brown	1.5	1.40	419	279	209	168	152	140	129	120	112
	2.0	1.61	484	322	242	193	176	161	149	138	129
	3.0	1.97	592	395	296	237	215	197	182	169	158
	4.0	2.28	684	456	342	273	249	228	210	195	182
	5.0	2.55	764	510	382	306	278	255	235	218	204
	6.0	2.79	837	558	419	335	304	279	258	239	223
	7.0	3.02	905	603	452	362	329	302	278	258	241
	8.0	3.22	967	645	483	387	352	322	298	276	258



16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
32	30	28	27	25	24	23	22	21	20	19	19	18	17	17
36	34	32	31	29	28	26	25	24	23	22	21	21	20	19
44	42	39	37	36	34	32	31	30	28	27	26	25	24	24
51	48	46	43	41	39	37	36	34	33	32	30	29	28	27
57	54	51	48	46	44	42	40	38	37	35	34	33	32	31
63	59	56	53	50	48	46	44	42	40	39	37	36	35	33
68	64	60	57	54	52	49	47	45	43	42	40	39	37	36
72	68	64	60	57	55	52	50	48	46	44	43	41	40	38
42	39	37	35	33	32	30	29	28	27	26	25	24	23	22
48	46	43	41	39	37	35	34	32	31	30	29	28	27	26
59	56	53	50	47	45	43	41	40	38	36	35	34	33	32
68	64	61	58	55	52	50	48	46	44	42	41	39	38	36
76	72	68	64	61	58	56	53	51	49	47	45	44	42	41
84	79	74	71	67	64	61	58	56	54	52	50	48	46	45
90	85	80	76	72	69	66	63	60	58	56	54	52	50	48
97	91	86	81	77	74	70	67	64	62	59	57	55	53	52
52	49	47	44	42	40	38	36	35	34	32	31	30	29	28
60	57	54	51	48	46	44	42	40	39	37	36	35	33	32
74	70	66	62	59	56	54	51	49	47	46	44	42	41	39
86	80	76	72	68	65	62	59	57	55	53	51	49	47	46
96	90	85	80	76	73	69	66	64	61	59	57	55	53	51
105	99	93	88	84	80	76	73	70	67	64	62	60	58	56
113	106	101	95	90	86	82	79	75	72	70	67	65	62	60
121	114	107	102	97	92	88	84	81	77	74	72	69	67	64
63	59	56	53	50	48	46	44	42	40	39	37	36	35	33
73	68	64	61	58	55	53	50	48	46	45	43	41	40	39
89	84	79	75	71	68	65	62	59	57	55	53	51	49	47
103	96	91	86	82	78	75	71	68	66	63	61	59	57	55
115	108	102	97	92	87	83	80	76	73	71	68	66	63	61
126	118	112	106	101	96	91	87	84	80	77	74	72	69	67
136	128	121	114	109	103	99	94	90	87	83	80	78	75	72
145	137	129	122	116	111	105	101	97	93	89	86	83	80	77
84	79	74	71	67	64	61	58	56	54	52	50	48	46	45
97	91	86	81	77	74	70	67	64	62	59	57	55	53	52
118	111	105	100	95	90	86	82	79	76	73	70	68	65	63
137	129	122	115	109	104	99	95	91	88	84	81	78	75	73
153	144	136	129	122	117	111	106	102	98	94	91	87	84	82
167	158	149	141	134	128	122	117	112	107	103	99	96	92	89
181	170	161	152	145	138	132	126	121	116	111	107	103	100	96
193	182	172	163	155	147	141	135	129	124	119	115	111	107	103
105	99	93	88	84	80	76	73	70	67	64	62	60	58	56
121	114	107	102	97	92	88	84	81	77	74	72	69	67	64
148	139	132	125	118	113	108	103	99	95	91	88	85	82	79
171	161	152	144	137	130	124	119	114	109	105	101	98	94	91
191	180	170	161	153	146	139	133	127	122	118	113	109	105	102
209	197	186	176	167	159	152	146	140	134	129	124	120	115	112
226	213	201	190	181	172	164	157	151	145	139	134	129	125	121
242	228	215	204	193	184	176	168	161	155	149	143	138	133	129



***NOTE:** 2,4-D products require SPRAY QUALITY according to ASABE S572.1 (highlighted in light green). All data in this chart has been sourced from the manufacturers or their websites as at December 2020. Always confirm spray quality data before purchase, as standards may change. While GRDC attempts to include data on as many nozzles relevant to Australian grain growers as possible in this chart, it may not include all of the nozzle models or sizes available at the time of publication. **Always check product label requirements for spray quality as well as the source of the spray quality information.**

IMPORTANT INFORMATION: Note: This guide does not attempt to contain all nozzle brands, models or sizes that may be fitted to spray systems. It includes the most common or widely-used nozzle types in spraying systems. Nozzle manufacturers continue to release new nozzle models onto the market. Growers should consult nozzle manufacturers to determine the suitability of particular nozzle type/s for their own spraying equipment to ensure that these products comply with APVMA approved product label requirements

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