



HARDI ISO F-110

Standard FLATFAN nozzles

All-round FLATFAN nozzle. Recommended for all types of pesticide application where optimum coverage is demanded. This nozzle will give you excellent and uniform liquid distribution at boom heights from 35 to 70 cm (50 cm recommended to take care of uneven terrain or boom movements).

- ISO – flow, colour and outer dimensions
- Working pressure – 1.5 to 5 bar
- Recommended for TWIN sprayers
- SYNTAL – precision moulded thermoplastic
- CERAMIC – extremely high durability
- COLORTIPS – for safe and easy handling

bar	l/min		6	7	8	10	12	15	20	25	30
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0075-Pink	1.5	0.21	F	42	36	32	25	21	17	13	10	8
	2.0	0.24	F	49	42	37	29	24	20	15	12	10
	2.5	0.27	F	55	47	41	33	27	22	16	13	11
	3.0	0.30	F	60	51	45	36	30	24	18	14	12
	4.0	0.35	F	69	59	52	42	35	28	21	17	14
	5.0	0.39	F	77	66	58	46	39	31	23	19	16

SYNTAL-CT 371964 (12 pcs. 750634)
 SYNTAL-S 371963 (12 pcs. 750635)

01-Orange	1.5	0.28	F	57	48	42	34	28	23	17	14	11
	2.0	0.33	F	65	56	49	39	33	26	20	16	13
	2.5	0.37	F	73	63	55	44	37	29	22	18	15
	3.0	0.40	F	80	69	60	48	40	32	24	19	16
	4.0	0.46	F	92	79	69	55	46	37	28	22	18
	5.0	0.52	F	103	89	77	62	52	41	31	25	21

SYNTAL-CT 371764 (12 pcs. 755627)
 SYNTAL-S 371706 (12 pcs. 755643)

015-Green	1.5	0.42	M	85	73	64	51	42	34	20	17	
	2.0	0.49	F	98	84	73	59	49	39	24	20	
	2.5	0.55	F	110	94	82	66	55	44	26	22	
	3.0	0.60	F	120	103	90	72	60	48	29	24	
	4.0	0.69	F	139	119	104	83	69	55	33	28	
	5.0	0.77	F	155	133	116	93	77	62	37	31	

SYNTAL-CT 371765 (12 pcs. 755628) CERAMIC-CT .. 371772 (12 pcs. 755635)
 SYNTAL-S 371707 (12 pcs. 755646) CERAMIC-S ... 371738 (12 pcs. 755667)

02-Yellow	1.5	0.57	M	113	97	85	68	57	45	34	27	23
	2.0	0.65	M	131	112	98	78	65	52	39	31	26
	2.5	0.73	F	146	125	110	88	73	58	44	35	29
	3.0	0.80	F	160	137	120	96	80	64	48	38	32
	4.0	0.92	F	185	158	139	111	92	74	55	44	37
	5.0	1.03	F	207	177	155	124	103	83	62	50	41

SYNTAL-CT 371766 (12 pcs. 755629) CERAMIC-CT .. 371773 (12 pcs. 755636)
 SYNTAL-S 371708 (12 pcs. 755649) CERAMIC-S ... 371739 (12 pcs. 755670)

025-Lilac	1.5	0.71	M	141	121	106	85	71	57	42	34	28
	2.0	0.82	M	163	140	122	98	82	65	49	39	33
	2.5	0.91	M	183	156	137	110	91	73	55	44	36
	3.0	1.00	M	200	171	150	120	100	80	60	48	40
	4.0	1.15	F	231	198	173	139	115	92	69	55	46
	5.0	1.29	F	258	221	194	155	129	103	77	62	52

SYNTAL-CT 371950 (12 pcs. 750626) SYNTAL-S 371946 (12 pcs. 750628)

= Spray quality: ■ Ultra Coarse (UC), □ Extremely Coarse (XC), ■ Very Coarse (VC), ■ Coarse (C), ■ Medium (M), ■ Fine (F), ■ Very Fine (VF).

bar	l/min		6	7	8	10	12	15	20	25	30
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03-Blue	1.5	0.85	M	170	145	127	102	85	68	51	41	34
	2.0	0.98	M	196	168	147	118	98	78	59	47	39
	2.5	1.10	M	219	188	164	131	110	88	66	53	44
	3.0	1.20	M	240		180	144	120	96	72	58	48
	4.0	1.39	M	277	238	208	166	139	111	83	67	56
	5.0	1.55	M	310	266	232	186	155	124	93	74	62

SYNTAL-CT 371767 (12 pcs. 755630) CERAMIC-CT .. 371774 (12 pcs. 755637)
 SYNTAL-S 371709 (12 pcs. 755652) CERAMIC-S ... 371740 (12 pcs. 755673)

04-Red	1.5	1.13	M	226	194	170	136	113	91	68	54	45
	2.0	1.31	M	261	224	196	157	131	105	78	63	52
	2.5	1.46	M	292	250	219	175	146	117	88	70	58
	3.0	1.60	M	320	274	240	192	160	128	96	77	64
	4.0	1.85	M	370	317	277	222	185	148	111	89	74
	5.0	2.07	M	413	354	310	248	207	165	124	99	83

SYNTAL-CT 371768 (12 pcs. 755631) CERAMIC-CT .. 371775 (12 pcs. 755638)
 SYNTAL-S 371710 (12 pcs. 755655) CERAMIC-S ... 371741 (12 pcs. 755676)

05-Brown	1.5	1.41	C	283	242	212	170	141	113	85	68	56
	2.0	1.63	C	327	280	245	196	163	131	98	78	65
	2.5	1.83	M	365	313	274	219	183	146	110	88	73
	3.0	2.00	M	400	343	300	240	200	160	120	96	80
	4.0	2.31	M	462	396	346	277	231	185	139	111	92
	5.0	2.58	M	516	443	387	310	258	207	155	124	103

SYNTAL-CT 371769 (12 pcs. 755632) CERAMIC-CT .. 371776 (12 pcs. 755639)
 SYNTAL-S 371711 (12 pcs. 755658) CERAMIC-S ... 371742 (12 pcs. 755679)

06-Grey	1.5	1.70	C	339	291	255	204	170	136	102	81	68
	2.0	1.96	C	392	336	294	235	196	157	118	94	78
	2.5	2.19	C	438	376	329	263	219	175	131	105	88
	3.0	2.40	C	480	411	360	288	240	192	144	115	96
	4.0	2.77	C	554	475	416	333	277	222	166	133	111
	5.0	3.10	C	620	531	465	372	310	248	186	149	124

SYNTAL-CT 371770 (12 pcs. 755633) CERAMIC-CT .. 371777 (12 pcs. 755640)
 SYNTAL-S 371712 (12 pcs. 755661) CERAMIC-S ... 371743 (12 pcs. 755682)

08-White	1.5	2.26	VC	453	388	339	272	226	181	136	109	90
	2.0	2.61	C	523	448	392	314	261	209	157	125	104
	2.5	2.92	C	584	501	438	351	292	234	175	140	117
	3.0	3.20	C	640	549	480	384	320	256	192	154	128
	4.0	3.70	C	739	633	554	443	370	296	222	177	148
	5.0	4.13	C	826	708	620	496	413	330	248	198	165

SYNTAL-CT 371771 (12 pcs. 755634)
 SYNTAL-S 371713 (12 pcs. 755664)

10-Light blue	1.5	2.83	VC	566	485	424	339	283	226	170	136	90
	2.0	3.27	VC	653	560	490	392	327	261	196	157	104
	2.5	3.65	VC	730	626	548	438	365	292	219	175	117
	3.0	4.00	VC	800	686	600	480	400	320	240	192	128
	4.0	4.62	C	924	792	693	554	462	370	277	222	148
	5.0	5.16	C	885	775	620	516	413	310	248	198	165

SYNTAL-CT 371970 (12 pcs. 750636) SYNTAL-S 371966 (12 pcs. 750638)

The nozzles are available both as single nozzles (S) and as COLORTIPS (CT), where the nozzle is integrated in the SNAP-FIT.