

HARDI ISO F-110 - Standard flat fan nozzles



All-round flat fan 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 14 to 28" (20" recommended to take care of uneven terrain or boom movements).

- ISO – flow, color and outer dimensions
- Working pressure – 20 to 70 PSI
- Recommended for TWIN sprayers
- SYNTAL – precision moulded thermoplastic
- CERAMIC – extremely high durability
- COLOR TIPS – for safe and easy handling

PSI	GPM		GPA at MPH						
			6	7	8	10	12	14	16

0075-Pink	20	0.053	F	2.6	2.3	2.0	1.6	1.3	1.1	1.0	0.9
	30	0.065	F	3.2	2.8	2.4	1.9	1.6	1.4	1.2	1.1
	40	0.075	F	3.7	3.2	2.8	2.2	1.9	1.6	1.4	1.2
	50	0.084	F	4.2	3.6	3.1	2.5	2.1	1.8	1.6	1.4
	60	0.092	F	4.5	3.9	3.4	2.7	2.3	1.9	1.7	1.5
	70	0.099	F	4.9	4.2	3.7	2.9	2.5	2.1	1.8	1.6
	SYNTAL-CT 371964 (12 pcs. 750634) SYNTAL-S 371963 (12 pcs. 750635)										

01-Orange	20	0.071	F	3.5	3.0	2.6	2.1	1.8	1.5	1.3	1.2
	30	0.087	F	4.3	3.7	3.2	2.6	2.1	1.8	1.6	1.4
	40	0.100	F	5.0	4.2	3.7	3.0	2.5	2.1	1.9	1.7
	50	0.112	F	5.5	4.7	4.2	3.3	2.8	2.4	2.1	1.8
	60	0.122	F	6.1	5.2	4.5	3.6	3.0	2.6	2.3	2.0
	70	0.132	F	6.5	5.6	4.9	3.9	3.3	2.8	2.5	2.2
	SYNTAL-CT 371764 (12 pcs. 755627) SYNTAL-S 371706 (12 pcs. 755643)										

015-Green	20	0.106	M	5.3	4.5	3.9	3.2	2.6	2.3	2.0	1.8
	30	0.130	F	6.4	5.5	4.8	3.9	3.2	2.8	2.4	2.1
	40	0.150	F	7.4	6.4	5.6	4.5	3.7	3.2	2.8	2.5
	50	0.168	F	8.3	7.1	6.2	5.0	4.2	3.6	3.1	2.8
	60	0.184	F	9.1	7.8	6.8	5.5	4.5	3.9	3.4	3.0
	70	0.198	F	9.8	8.4	7.4	5.9	4.9	4.2	3.7	3.3
	SYNTAL-CT 371765 (12 pcs. 755628) SYNTAL-S 371707 (12 pcs. 755646) CERAMIC-CT 371772 (12 pcs. 755635) CERAMIC-S 371738 (12 pcs. 755667)										

02-Yellow	20	0.144	M	7.0	6.0	5.3	4.2	3.5	3.0	2.6	2.3
	30	0.173	M	8.6	7.3	6.4	5.1	4.3	3.7	3.2	2.9
	40	0.200	F	9.9	8.5	7.4	5.9	5.0	4.2	3.7	3.3
	50	0.224	F	11.1	9.5	8.3	6.6	5.5	4.7	4.2	3.7
	60	0.245	F	12.1	10.4	9.1	7.3	6.1	5.2	4.5	4.0
	70	0.265	F	13.1	11.2	9.8	7.9	6.5	5.6	4.9	4.4
	SYNTAL-CT 371766 (12 pcs. 755629) SYNTAL-S 371708 (12 pcs. 755649) CERAMIC-CT 371773 (12 pcs. 755636) CERAMIC-S 371739 (12 pcs. 755670)										

025-Lilac	20	0.177	M	8.8	7.5	6.6	5.3	4.4	3.8	3.3	2.9
	30	0.217	M	10.7	9.2	8.0	6.4	5.4	4.6	4.0	3.6
	40	0.250	M	12.4	10.6	9.3	7.4	6.2	5.3	4.6	4.1
	50	0.280	M	13.8	11.9	10.4	8.3	6.9	5.9	5.2	4.6
	60	0.306	F	15.2	13.0	11.4	9.1	7.6	6.5	5.7	5.1
	70	0.331	F	16.4	14.0	12.3	9.8	8.2	7.0	6.1	5.5
	SYNTAL-CT 371950 (12 pcs. 750626) SYNTAL-S 371946 (12 pcs. 750628)										

= Spray quality:
 Fine (F), Medium (M), Coarse (C), Very Coarse (VC).

	PSI	GPA		GPA at MPH							
				6	7	8	10	12	15	20	25

03-Blue	20	0.212	M	10.5	9.0	7.9	6.3	5.3	4.5	3.9	3.5
	30	0.260	M	12.9	11.0	9.6	7.7	6.4	5.5	4.8	4.3
	40	0.300	M	14.9	12.7	11.1	8.9	7.4	6.4	5.6	5.0
	50	0.335	M	16.6	14.2	12.5	10.0	8.3	7.1	6.2	5.5
	60	0.367	M	18.2	15.6	13.6	10.9	9.1	7.8	6.8	6.1
	70	0.397	M	19.6	16.8	14.7	11.8	9.8	8.4	7.4	6.5
	SYNTAL-CT 371767 (12 pcs. 755630) SYNTAL-S 371709 (12 pcs. 755652) CERAMIC-CT 371774 (12 pcs. 755637) CERAMIC-S 371740 (12 pcs. 755673)										

04-Red	20	0.283	M	14.0	12.0	10.5	8.4	7.0	6.0	5.3	4.7
	30	0.346	M	17.1	14.7	12.9	10.3	8.6	7.3	6.4	5.7
	40	0.400	M	19.8	17.0	14.9	11.9	9.9	8.5	7.4	6.6
	50	0.447	M	22.1	19.0	16.6	13.3	11.1	9.5	8.3	7.4
	60	0.490	M	24.2	20.8	18.2	14.5	12.1	10.4	9.1	8.1
	70	0.529	M	26.2	22.5	19.6	15.7	13.1	11.2	9.8	8.7
	SYNTAL-CT 371768 (12 pcs. 755631) SYNTAL-S 371710 (12 pcs. 755655) CERAMIC-CT 371775 (12 pcs. 755638) CERAMIC-S 371741 (12 pcs. 755676)										

05-Brown	20	0.354	C	17.5	15.0	13.1	10.5	8.8	7.5	6.6	5.8
	30	0.433	C	21.4	18.4	16.1	12.9	10.7	9.2	8.0	7.1
	40	0.500	M	24.8	21.2	18.6	14.9	12.4	10.6	9.3	8.3
	50	0.559	M	27.7	23.7	20.8	16.6	13.8	11.9	10.4	9.2
	60	0.612	M	30.3	26.0	22.7	18.2	15.2	13.0	11.4	10.1
	70	0.661	M	32.7	28.1	24.6	19.6	16.4	14.0	12.3	10.9
	SYNTAL-CT 371769 (12 pcs. 755632) SYNTAL-S 371711 (12 pcs. 755658) CERAMIC-CT 371776 (12 pcs. 755639) CERAMIC-S 371742 (12 pcs. 755679)										

06-Grey	20	0.424	C	21.0	18.0	15.8	12.6	10.5	9.0	7.9	7.0
	30	0.520	C	25.7	22.0	19.3	15.4	12.9	11.0	9.6	8.6
	40	0.600	C	29.7	25.5	22.3	17.8	14.9	12.7	11.1	9.9
	50	0.671	C	33.2	28.5	24.9	19.9	16.6	14.2	12.5	11.1
	60	0.735	C	36.4	31.2	27.3	21.8	18.2	15.6	13.6	12.1
	70	0.794	C	39.3	33.7	29.5	23.6	19.6	16.8	14.7	13.1
	SYNTAL-CT 371770 (12 pcs. 755633) SYNTAL-S 371712 (12 pcs. 755661) CERAMIC-CT 371777 (12 pcs. 755640) CERAMIC-S 371743 (12 pcs. 755682)										

08-White	20	0.566	VC	28.0	24.0	21.0	16.8	14.0	12.0	10.5	9.3
	30	0.693	C	34.3	29.4	25.7	20.6	17.1	14.7	12.9	11.4
	40	0.800	C	39.6	33.9	29.7	23.8	19.8	17.0	14.9	13.2
	50	0.894	C	44.3	37.9	33.2	26.6	22.1	19.0	16.6	14.8
	60	0.980	C	48.5	41.6	36.4	29.1	24.2	20.8	18.2	16.2
	70	1.058	C	52.4	44.9	39.3	31.4	26.2	22.5	19.6	17.5
	SYNTAL-CT 371771 (12 pcs. 755634) SYNTAL-S 371713 (12 pcs. 755664)										

10-Light blue	20	0.707	VC	35.0	30.0	26.3	21.0	17.5	15.0	13.1	11.7
	30	0.866	VC	42.9	36.7	32.2	25.7	21.4	18.4	16.1	14.3
	40	1.000	VC	49.5	42.4	37.1	29.7	24.8	21.2	18.6	16.5
	50	1.118	VC	55.3	47.4	41.5	33.2	27.7	23.7	20.8	18.4
	60	1.225	C	60.6	52.0	45.5	36.4	30.3	26.0	22.7	20.2
	70	1.323	C	65.5	56.1	49.1	39.3	32.7	28.1	24.6	21.8
	SYNTAL-CT 371970 (12 pcs. 750636) SYNTAL-S 371966 (12 pcs. 750638)										

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

