

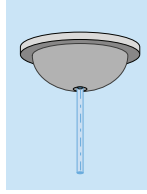
Liquid fertilizer

1553 Solid stream nozzle

HARDI 1553 Cone nozzles are used without swirl plates for solid stream (with swirl plates for hollow cone and full cone spraying - please see page 23). Use the solid stream for liquid fertilizer on boom sprayers.



- For application of liquid fertilizer at 10" nozzle spacing, with a minimum risk of scorching
- Flow rates from 0.077 – 8.27 GPM (at 15 –360 PSI)
- SYNTAL – precision molded thermoplastic: precise, resistant and durable



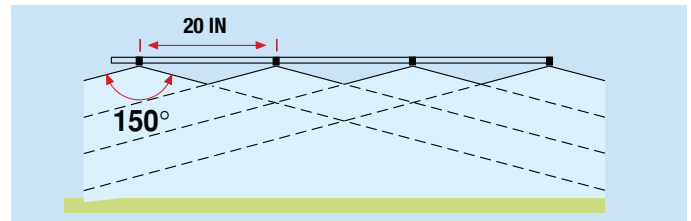
PSI	1553-8	-10	-12	-14	-16	GPM	-20	-22	-24	-30	-35	-40
15	0.077	0.115	0.171	0.224	0.305	0.367	0.489	0.588	0.682	1.047	1.386	1.688
20	0.089	0.133	0.197	0.259	0.352	0.423	0.565	0.678	0.787	1.209	1.600	1.949
30	0.109	0.163	0.241	0.317	0.431	0.518	0.692	0.831	0.964	1.480	1.960	2.387
50	0.140	0.210	0.312	0.409	0.557	0.669	0.893	1.073	1.245	1.911	2.530	3.081
70	0.166	0.249	0.369	0.484	0.659	0.792	1.056	1.269	1.473	2.261	2.993	3.646
90	0.188	0.282	0.418	0.549	0.747	0.898	1.198	1.439	1.670	2.564	3.394	4.134
150	0.243	0.364	0.540	0.708	0.964	1.159	1.546	1.858	2.156	3.310	4.382	5.336
220	0.294	0.441	0.654	0.858	1.168	1.404	1.873	2.250	2.611	4.009	5.307	6.463
360	0.376	0.564	0.836	1.097	1.494	1.796	2.396	2.879	3.340	5.128	6.788	8.267
No.	370016	370027	370031	370042	370053	370064	370075	370086	370097	370101	370112	370123
12 pcs.	750256	755031	755382	755064	755385	755065	755097	755066	755123	750257	755067	755068

Large drop flat spray nozzle



HARDI foam nozzles are excellent for application of liquid fertilizers. Choose foam nozzles for broad leaf application - the large air inclusion bubbles will be reflected on the leaves and minimize crop damage. The nozzle is used in combination with the 1553 Solid Stream nozzle.

- Spray angle up to 150°
- Extremely coarse droplet spectrum
- Superior distribution
- Can work at nozzle spacing up to 40"



PSI	GPM	GPA at MPH								
		5	6	7	8	9	10	12	14	16
20	0.262	15.5	13.0	11.1	9.7	8.6	7.8	6.5	5.6	4.9
25	0.293	17.4	14.5	12.4	10.9	9.7	8.7	7.2	6.2	5.4
30	0.321	19.0	15.9	13.6	11.9	10.6	9.5	7.9	6.8	5.9
40	0.370	22.0	18.3	15.7	13.7	12.2	11.0	9.2	7.9	6.9
50	0.414	24.6	20.5	17.6	15.4	13.7	12.3	10.2	8.8	7.7
70	0.490	29.1	24.2	20.8	18.2	16.2	14.5	12.1	10.4	9.1
Large drop flat spray nozzle (371551) + 1553-14 Grey (370042)										

PSI	GPM	GPA at MPH								
		5	6	7	8	9	10	12	14	16
20	0.577	34.3	28.5	24.5	21.4	19.0	17.1	14.3	12.2	10.7
25	0.645	38.3	31.9	27.4	23.9	21.3	19.1	16.0	13.7	12.0
30	0.706	41.9	35.0	30.0	26.2	23.3	21.0	17.5	15.0	13.1
40	0.815	48.4	40.4	34.6	30.3	26.9	24.2	20.2	17.3	15.1
50	0.912	54.2	45.1	38.7	33.8	30.1	27.1	22.6	19.3	16.9
70	1.079	64.1	53.4	45.8	40.0	35.6	32.0	26.7	22.9	20.0
Large drop flat spray nozzle (371551) + 1553-20 Grey (370075)										

PSI	GPM	GPA at MPH								
		5	6	7	8	9	10	12	14	16
20	0.358	21.3	17.7	15.2	13.3	11.8	10.6	8.9	7.6	6.6
25	0.400	23.8	19.8	17.0	14.9	13.2	11.9	9.9	8.5	7.4
30	0.439	26.0	21.7	18.6	16.3	14.5	13.0	10.9	9.3	8.1
40	0.506	30.1	25.1	21.5	18.8	16.7	15.0	12.5	10.7	9.4
50	0.566	33.6	28.0	24.0	21.0	18.7	16.8	14.0	12.0	10.5
70	0.670	39.8	33.2	28.4	24.9	22.1	19.9	16.6	14.2	12.4
Large drop flat spray nozzle (371551) + 1553-16 Grey (370053)										

PSI	GPM	GPA at MPH								
		5	6	7	8	9	10	12	14	16
20	0.691	41.0	34.2	29.3	25.6	22.8	20.5	17.1	14.7	12.8
25	0.772	45.9	38.2	32.8	28.7	25.5	22.9	19.1	16.4	14.3
30	0.846	50.2	41.9	35.9	31.4	27.9	25.1	20.9	17.9	15.7
40	0.977	58.0	48.4	41.4	36.3	32.2	29.0	24.2	20.7	18.1
50	1.092	64.9	54.1	46.3	40.5	36.0	32.4	27.0	23.2	20.3
70	1.292	76.8	64.0	54.8	48.0	42.6	38.4	32.0	27.4	24.0
Large drop flat spray nozzle (371551) + 1553-22 Grey (370086)										

PSI	GPM	GPA at MPH								
		5	6	7	8	9	10	12	14	16
20	0.429	25.5	21.3	18.2	15.9	14.2	12.8	10.6	9.1	8.0
25	0.480	28.5	23.8	20.4	17.8	15.8	14.3	11.9	10.2	8.9
30	0.526	31.2	26.0	22.3	19.5	17.4	15.6	13.0	11.2	9.8
40	0.607	36.1	30.1	25.8	22.5	20.0	18.0	15.0	12.9	11.3
50	0.679	40.3	33.6	28.8	25.2	22.4	20.2	16.8	14.4	12.6
70	0.803	47.7	39.8	34.1	29.8	26.5	23.9	19.9	17.0	14.9
Large drop flat spray nozzle (371551) + 1553-18 Grey (370064)										

PSI	GPM	GPA at MPH								
		5	6	7	8	9	10	12	14	16
20	0.807	47.9	40.0	34.2	30.0	26.6	24.0	20.0	17.1	15.0
25	0.902	53.6	44.7	38.3	33.5	29.8	26.8	22.3	19.1	16.8
30	0.989	58.7	48.9	41.9	36.7	32.6	29.4	24.5	21.0	18.3
40	1.141	67.8	56.5	48.4	42.4	37.7	33.9	28.3	24.2	21.2
50	1.276	75.8	63.2	54.1	47.4	42.1	37.9	31.6	27.1	23.7
70	1.510	89.7	74.7	64.1	56.1	49.8	44.8	37.4	32.0	28.0
Large drop flat spray nozzle (371551) + 1553-24 Grey (370097)										

NOTE: Remember to adjust the pressure according to the density of the liquid fertilizer. See page 10.

