

TR-Total Range Spray Tips

Stainless Steel Insert for Accuracy and Longevity



FEATURES & BENEFITS:

- Excellent spray distribution throughout the entire pressure range from 15 to 60 psi
- Ideal for sprayers equipped with automatic sprayer controllers
- Reduces drift when used at lower pressures
- Improves coverage when used at higher pressures
- Adjustable droplet size according to spraying pressures
- Manufactured to ISO standards, including color and dimensional guidelines
- A versatile spray tip, ideal for overall spray applications of herbicides, fungicides, insecticides and growth regulators

The Hypro TR consistently delivers the best spray pattern throughout the pressure range with accuracy and longevity.





TR-Total Range Spray Tips

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SPECIFICATIONS

80° and 110° Spray Tip Performance Characteristics

TR80-01 TR110-01 Gallons per Acre-20" Spacing



PSI	Flow		mph																					
	US GPM		4	5	6	7	8	10	12	14	16	18	20	4	5	6	7	8	10	12	14	16	18	20
15	0.06		4.5	3.6	3.0	2.6	2.3	1.8	1.5	1.3	1.1	1.0	0.9	4.5	3.6	3.0	2.6	2.3	1.8	1.5	1.3	1.1	1.0	0.9
20	0.07		5.3	4.2	3.5	3.0	2.6	2.1	1.8	1.5	1.3	1.2	1.1	5.3	4.2	3.5	3.0	2.6	2.1	1.8	1.5	1.3	1.2	1.1
30	0.09		6.4	5.1	4.3	3.7	3.2	2.6	2.1	1.8	1.6	1.4	1.3	6.4	5.1	4.3	3.7	3.2	2.6	2.1	1.8	1.6	1.4	1.3
40	0.10		7.4	5.9	5.0	4.2	3.7	3.0	2.5	2.1	1.9	1.7	1.5	7.4	5.9	5.0	4.2	3.7	3.0	2.5	2.1	1.9	1.7	1.5
50	0.11		8.3	6.6	5.5	4.7	4.2	3.3	2.8	2.4	2.1	1.8	1.7	8.3	6.6	5.5	4.7	4.2	3.3	2.8	2.4	2.1	1.8	1.7
60	0.12		9.1	7.3	6.1	5.2	4.5	3.6	3.0	2.6	2.3	2.0	1.8	9.1	7.3	6.1	5.2	4.5	3.6	3.0	2.6	2.3	2.0	1.8



TR80-05 TR110-05 Gallons per Acre-20" Spacing

PSI	Flow		mph																					
	US GPM		4	5	6	7	8	10	12	14	16	18	20	4	5	6	7	8	10	12	14	16	18	20
15	0.31		23	18.2	15.2	13.0	11.4	9.1	7.6	6.5	5.7	5.1	4.5	23	18.2	15.2	13.0	11.4	9.1	7.6	6.5	5.7	5.1	4.5
20	0.35		26	21	17.5	15.0	13.1	10.5	8.8	7.5	6.6	5.8	5.3	26	21	17.5	15.0	13.1	10.5	8.8	7.5	6.6	5.8	5.3
30	0.43		32	26	21	18.4	16.1	12.9	10.7	9.2	8.0	7.1	6.4	32	26	21	18.4	16.1	12.9	10.7	9.2	8.0	7.1	6.4
40	0.50		37	30	25	21	18.6	14.9	12.4	10.6	9.3	8.3	7.4	37	30	25	21	18.6	14.9	12.4	10.6	9.3	8.3	7.4
50	0.56		42	33	28	24	21	16.6	13.8	11.9	10.4	9.2	8.3	42	33	28	24	21	16.6	13.8	11.9	10.4	9.2	8.3
60	0.61		45	36	30	26	23	18.2	15.2	13.0	11.4	10.1	9.1	45	36	30	26	23	18.2	15.2	13.0	11.4	10.1	9.1

TR80-015 TR110-015 Gallons per Acre-20" Spacing



PSI	Flow		mph																					
	US GPM		4	5	6	7	8	10	12	14	16	18	20	4	5	6	7	8	10	12	14	16	18	20
15	0.09		6.8	5.5	4.5	3.9	3.4	2.7	2.3	1.9	1.7	1.5	1.4	6.8	5.5	4.5	3.9	3.4	2.7	2.3	1.9	1.7	1.5	1.4
20	0.11		7.9	6.3	5.3	4.5	3.9	3.2	2.6	2.3	2.0	1.8	1.6	7.9	6.3	5.3	4.5	3.9	3.2	2.6	2.3	2.0	1.8	1.6
30	0.13		9.6	7.7	6.4	5.5	4.8	3.9	3.2	2.8	2.4	2.1	1.9	9.6	7.7	6.4	5.5	4.8	3.9	3.2	2.8	2.4	2.1	1.9
40	0.15		11.1	8.9	7.4	6.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2	11.1	8.9	7.4	6.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2
50	0.17		12.5	10.0	8.3	7.1	6.2	5.0	4.2	3.6	3.1	2.8	2.5	12.5	10.0	8.3	7.1	6.2	5.0	4.2	3.6	3.1	2.8	2.5
60	0.18		13.6	10.9	9.1	7.8	6.8	5.5	4.5	3.9	3.4	3.0	2.7	13.6	10.9	9.1	7.8	6.8	5.5	4.5	3.9	3.4	3.0	2.7



TR80-06 TR110-06 Gallons per Acre-20" Spacing

PSI	Flow		mph																					
	US GPM		4	5	6	7	8	10	12	14	16	18	20	4	5	6	7	8	10	12	14	16	18	20
15	0.37		27	22	18.2	15.6	13.6	10.9	9.1	7.8	6.8	6.1	5.5	27	22	18.2	15.6	13.6	10.9	9.1	7.8	6.8	6.1	5.5
20	0.42		31	25	21	18.0	15.8	12.6	10.5	9.0	7.9	7.0	6.3	31	25	21	18.0	15.8	12.6	10.5	9.0	7.9	7.0	6.3
30	0.52		39	31	26	22	19.3	15.4	12.9	11.0	9.6	8.6	7.7	39	31	26	22	19.3	15.4	12.9	11.0	9.6	8.6	7.7
40	0.60		45	36	30	25	22	17.8	14.9	12.7	11.1	9.9	8.9	45	36	30	25	22	17.8	14.9	12.7	11.1	9.9	8.9
50	0.67		50	40	33	28	25	19.9	16.6	14.2	12.5	11.1	10.0	50	40	33	28	25	19.9	16.6	14.2	12.5	11.1	10.0
60	0.73		54	43	36	31	27	22	18.2	15.6	13.6	12.1	10.9	54	43	36	31	27	22	18.2	15.6	13.6	12.1	10.9

TR80-02 TR110-02 Gallons per Acre-20" Spacing



PSI	Flow		mph																					
	US GPM		4	5	6	7	8	10	12	14	16	18	20	4	5	6	7	8	10	12	14	16	18	20
15	0.12		9.1	7.3	6.1	5.2	4.5	3.6	3.0	2.6	2.3	2.0	1.8	9.1	7.3	6.1	5.2	4.5	3.6	3.0	2.6	2.3	2.0	1.8
20	0.14		10.5	8.4	7.0	6.0	5.3	4.2	3.5	3.0	2.6	2.3	2.1	10.5	8.4	7.0	6.0	5.3	4.2	3.5	3.0	2.6	2.3	2.1
30	0.17		12.9	10.3	8.6	7.3	6.4	5.1	4.3	3.7	3.2	2.9	2.6	12.9	10.3	8.6	7.3	6.4	5.1	4.3	3.7	3.2	2.9	2.6
40	0.20		14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	3.7	3.3	3.0	14.9	11.9	9.9	8.5	7.4	5.9	5.0	4.2	3.7	3.3	3.0
50	0.22		16.6	13.3	11.1	9.5	8.3	6.6	5.5	4.7	4.2	3.7	3.3	16.6	13.3	11.1	9.5	8.3	6.6	5.5	4.7	4.2	3.7	3.3
60	0.24		18.2	14.5	12.1	10.4	9.1	7.3	6.1	5.2	4.5	4.0	3.6	18.2	14.5	12.1	10.4	9.1	7.3	6.1	5.2	4.5	4.0	3.6



TR80-08 TR110-08 Gallons per Acre-20" Spacing

PSI	Flow		mph																					
	US GPM		4	5	6	7	8	10	12	14	16	18	20	4	5	6	7	8	10	12	14	16	18	20
15	0.49		36	29	24	21	18.2	14.5	12.1	10.4	9.1	8.1	7.3	36	29	24	21	18.2	14.5	12.1	10.4	9.1	8.1	7.3
20	0.57		42	34	28	24	21	16.8	14.0	12.0	10.5	9.3	8.4	42	34	28	24	21	16.8	14.0	12.0	10.5	9.3	8.4
30	0.69		51	41	34	29	26	20	17.1	14.7	12.9	11.4	10.3	51	41	34	29	26	20	17.1	14.7	12.9	11.4	10.3
40	0.80		59	48	40	34	30	24	19.8	17.0	14.9	13.2	11.9	59	48	40	34	30	24	19.8	17.0	14.9	13.2	11.9
50	0.89		66	53	44	38	33	26	22	19.0	16.6	14.8	13.3	66	53	44	38	33	26	22	19.0	16.6	14.8	13.3
60	0.98		73	58	48	42	36	29	24	21	18.2	16.2	14.5	73	58	48	42	36	29	24	21	18.2	16.2	14.5

TR80-03 TR110-03 Gallons per Acre-20" Spacing



PSI	Flow		mph																					
	US GPM		4	5	6	7	8	10	12	14	16	18	20	4	5	6	7	8	10	12	14	16	18	20
15	0.18		13.6	10.9	9.1	7.8	6.8	5.5	4.5	3.9	3.4	3.0	2.7	13.6	10.9	9.1	7.8	6.8	5.5	4.5	3.9	3.4	3.0	2.7
20	0.21		15.8	12.6	10.5	9.0	7.9	6.3	5.3	4.5	3.9	3.5	3.2	15.8	12.6	10.5	9.0	7.9	6.3	5.3	4.5	3.9	3.5	3.2
30	0.26		19.3	15.4	12.9	11.0	9.6	7.7	6.4	5.5	4.8	4.3	3.9	19.3	15.4	12.9	11.0	9.6	7.7	6.4	5.5	4.8	4.3	3.9
40	0.30		22	17.8	14.9	12.7	11.1	8.9	7.4	6.4	5.6	5.0	4.5	22	17.8	14.9	12.7	11.1	8.9	7.4	6.4	5.6	5.0	4.5
50	0.34		25	19.9	16.6	14.2	12.5	10.0	8.3	7.1	6.2	5.5	5.0	25	19.9	16.6	14.2	12.5	10.0	8.3	7.1	6.2	5.5	5.0
60	0.37		27	22	18.2	15.6	13.6	10.9	9.1	7.8	6.8	6.1	5.5	27	22	18.2	15.6	13.6	10.9	9.1	7.8	6.8	6.1	5.5



TR80-10 TR110-10 Gallons per Acre-20" Spacing

PSI	Flow		mph																					
	US GPM		4	5	6	7	8	10	12	14	16	18	20	4	5	6	7	8	10	12	14	16	18	20
15	0.61		45	36	30	26	23	18.2	15.2	13.0	11.4	10.1	9.1	45	36	30	26	23	18.2	15.2	13.0	11.4	10.1	9.1
20	0.71		53	42	35	30	26	21	17.5	15.0	13.1	11.7	10.5	53	42	35	30	26	21	17.5	15.0	13.1	11.7	10.5
30	0.87		64	51	43	37	32	26	21	18.4	16.1	14.3	12.9	64	51	43	37	32	26	21	18.4	16.1	14.3	12.9
40	1.00		74	59	50	42	37	30	25	21	18.6	16.5												