

TURBO-DROP SPRAY NOZZLES

Greenleaf TurboDrop® XL Nozzle Tabulations

TurboDr p® nozzles consist of two primary components - the Venturi air injector and the exit pattern tip. The orifice in the Venturi determines the flow rate of the complete assembly. The Venturi is ISO color coded to designate flow rate.

The exit pattern tip does not affect flow rate; it is only used to form the desired spray pattern.
 Pressure Range: 20-120 psi. Recommended boom height: 18-36" (with 20" nozzle spacing)

PRICE EACH		\$ 12.65	VENTURI ONLY	\$ 10.25	Ceramic also available. Call for pricing.									
COMPLETE NOZZLE # (strainer size) <i>Venturi Only</i>		Liquid Pressure PSI	Nozzle Capacity GPM	Gallons per acre based on 20" nozzle spacing.										
				4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH	16 MPH	18 MPH	20 MPH	
 TDXL11001 (use 50 mesh) Orange (Venturi Part #) use 02 tip	 Yellow	20	0.07	5.2	4.2	3.5	2.6	2.1	1.7	1.5	1.3	1.2	1	
		30	0.09	6.4	5.1	4.3	3.2	2.6	2.1	1.8	1.6	1.4	1.3	
		40	0.1	7.4	5.9	4.9	3.7	3	2.5	2.1	1.9	1.6	1.5	
		50	0.11	8.3	6.6	5.5	4.1	3.3	2.8	2.4	2.1	1.8	1.7	
		60	0.12	9.1	7.3	6.1	4.5	3.6	3	2.6	2.3	2	1.8	
		80	0.14	10.5	8.4	7	5.2	4.2	3.5	3	2.6	2.3	2.1	
		100	0.16	11.7	9.4	7.8	5.9	4.7	3.9	3.4	2.9	2.6	2.3	
120	0.17	12.9	10.3	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6			
 TDXL110015 (use 50 mesh) Green (Venturi Part #) use 03 tip	 Blue	20	0.11	7.9	6.3	5.2	3.9	3.1	2.6	2.2	2	1.7	1.6	
		30	0.13	9.6	7.7	6.4	4.8	3.9	3.2	2.8	2.4	2.1	1.9	
		40	0.15	11.1	8.9	7.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2	
		50	0.17	12.4	10	8.3	6.2	5	4.1	3.6	3.1	2.8	2.5	
		60	0.18	13.6	10.9	9.1	6.8	5.5	4.5	3.9	3.4	3	2.7	
		80	0.21	15.7	12.6	10.5	7.9	6.3	5.2	4.5	3.9	3.5	3.1	
		100	0.24	17.6	14.1	11.7	8.8	7	5.9	5	4.4	3.9	3.5	
120	0.26	19.3	15.4	12.9	9.6	7.7	6.4	5.5	4.8	4.3	3.9			
 TDXL11002 (use 50 mesh) Yellow (Venturi Part #) use 04 tip	 Red	20	0.14	10.5	8.4	7	5.2	4.2	3.5	3	2.6	2.3	2.1	
		30	0.17	12.9	10.3	8.6	6.4	5.1	4.3	3.7	3.2	2.9	2.6	
		40	0.2	14.8	11.9	9.9	7.4	5.9	4.9	4.2	3.7	3.3	3	
		50	0.22	16.6	13.3	11.1	8.3	6.6	5.5	4.7	4.1	3.7	3.3	
		60	0.24	18.2	14.5	12.1	9.1	7.3	6.1	5.2	4.5	4	3.6	
		80	0.28	21	16.8	14	10.5	8.4	7	6	5.2	4.7	4.2	
		100	0.32	23.5	18.8	15.6	11.7	9.4	7.8	6.7	5.9	5.2	4.7	
120	0.35	25.7	20.6	17.1	12.9	10.3	8.6	7.3	6.4	5.7	5.1			
 TDXL110025 (use 50 mesh) Purple (Venturi Part #) use 05 tip	 Brown	20	0.18	13.1	10.5	8.7	6.6	5.2	4.4	3.7	3.3	2.9	2.6	
		30	0.22	16.1	12.9	10.7	8	6.4	5.4	4.6	4	3.6	3.2	
		40	0.25	18.5	14.8	12.4	9.3	7.4	6.2	5.3	4.6	4.1	3.7	
		50	0.28	20.7	16.6	13.8	10.4	8.3	6.9	5.9	5.2	4.6	4.1	
		60	0.31	22.7	18.2	15.1	11.4	9.1	7.6	6.5	5.7	5	4.5	
		80	0.35	26.2	21	17.5	13.1	10.5	8.7	7.5	6.6	5.8	5.2	
		100	0.4	29.3	23.5	19.6	14.7	11.7	9.8	8.4	7.3	6.5	5.9	
120	0.43	32.1	25.7	21.4	16.1	12.9	10.7	9.2	8	7.1	6.4			
 TDXL11003 (use 50 mesh) Blue (Venturi Part #) use 06 tip	 Gray	20	0.21	15.7	12.6	10.5	7.9	6.3	5.2	4.5	3.9	3.5	3.1	
		30	0.26	19.3	15.4	12.9	9.6	7.7	6.4	5.5	4.8	4.3	3.9	
		40	0.3	22.3	17.8	14.8	11.1	8.9	7.4	6.4	5.6	4.9	4.5	
		50	0.34	24.9	19.9	16.6	12.4	10	8.3	7.1	6.2	5.5	5	
		60	0.37	27.3	21.8	18.2	13.6	10.9	9.1	7.8	6.8	6.1	5.5	
		80	0.42	31.5	25.2	21	15.7	12.6	10.5	9	7.9	7	6.3	
		100	0.47	35.2	28.2	23.5	17.6	14.1	11.7	10.1	8.8	7.8	7	
120	0.52	38.6	30.8	25.7	19.3	15.4	12.9	11	9.6	8.6	7.7			
 TDXL11004 (use 24 mesh) Red (Venturi Part #) use 08 tip	 White	20	0.28	21	16.8	14	10.5	8.4	7	6	5.2	4.7	4.2	
		30	0.35	25.7	20.6	17.1	12.9	10.3	8.6	7.3	6.4	5.7	5.1	
		40	0.4	29.7	23.7	19.8	14.8	11.9	9.9	8.5	7.4	6.6	5.9	
		50	0.45	33.2	26.5	22.1	16.6	13.3	11.1	9.5	8.3	7.4	6.6	
		60	0.49	36.3	29.1	24.2	18.2	14.5	12.1	10.4	9.1	8.1	7.3	
		80	0.57	42	33.6	28	21	16.8	14	12	10.5	9.3	8.4	
		100	0.63	46.9	37.5	31.3	23.5	18.8	15.6	13.4	11.7	10.4	9.4	
120	0.69	51.4	41.1	34.3	25.7	20.6	17.1	14.7	12.9	11.4	10.3			
 TDXL11005 (use 24 mesh) Brown (Venturi Part #) use 10 tip	 Black	20	0.35	26.3	21	17.5	13.1	10.5	8.8	7.5	6.6	5.8	5.3	
		30	0.43	32.2	25.7	21.4	16.1	12.9	10.7	9.2	8	7.1	6.4	
		40	0.5	37.1	29.7	24.8	18.6	14.9	12.4	10.6	9.3	8.3	7.4	
		50	0.56	41.5	33.2	27.7	20.8	16.6	13.8	11.9	10.4	9.2	8.3	
		60	0.61	45.5	36.4	30.3	22.7	18.2	15.2	13	11.1	10.1	9.1	
		80	0.71	52.5	42	35	26.3	21	17.5	15	13.1	11.7	10.5	
		100	0.79	58.7	47	39.2	29.4	23.5	19.6	16.8	14.7	13.1	11.7	
120	0.87	64.3	51.5	42.9	32.2	25.7	21.4	18.4	16.1	14.3	12.9			
 TDXL11006 (use 24 mesh) Gray (Venturi Part #) use 12 tip	 Turquoise	20	0.42	31.5	25.2	21	15.8	12.6	10.5	9	7.9	7	6.3	
		30	0.52	38.6	30.9	25.7	19.3	15.4	12.9	11	9.6	8.6	7.7	
		40	0.6	44.6	35.7	29.7	22.3	17.8	14.9	12.7	11.1	9.9	8.9	
		50	0.67	49.8	39.9	33.2	24.9	19.9	16.6	14.2	12.5	11.1	10	
		60	0.74	54.6	43.7	36.4	27.3	21.8	18.2	15.6	13.6	12.1	10.9	
		80	0.85	63	50.4	42	31.5	25.2	21	18	15.8	14	12.6	
		100	0.95	70.5	56.4	47	35.2	28.2	23.5	20.1	17.6	15.7	14.1	
120	1.04	77.2	61.8	51.5	38.6	30.9	25.7	22.1	19.3	17.2	15.4			
 TDXL11008 (Venturi Part #) use 16 tip	 Purple	20	0.56	41.8	33.5	27.9	20.9	16.7	13.9	12	10.5	9.3	8.4	
		30	0.69	51.2	41	34.2	25.6	20.5	17.1	14.6	12.8	11.4	10.2	
		40	0.8	59.2	47.3	39.4	29.6	23.7	19.7	16.9	14.8	13.1	11.8	
		50	0.89	66.2	52.9	44.1	33.1	26.5	22.1	18.9	16.5	14.7	13.2	
		60	0.98	72.5	58	48.3	36.2	29	24.2	20.7	18.1	16.1	14.5	
		80	1.13	83.7	66.9	55.8	41.8	33.5	27.9	23.9	20.9	18.6	16.7	
		100	1.26	93.6	74.8	62.4	46.8	37.4	31.2	26.7	23.4	20.8	18.7	
120	1.38	102.5	82	68.3	51.2	41	34.2	29.3	25.6	22.8	20.5			
 TDXL11010 (Venturi Part #) use 20 tip	 Lt. Blue	20	0.71	52.5	42	35	26.2	21	17.5	15	13.1	11.7	10.5	
		30	0.87	64.3	51.4	42.8	32.1	25.7	21.4	18.4	16.1	14.3	12.9	
		40	1	74.2	59.4	49.5	37.1	29.7	24.7	21.2	18.5	16.5	14.8	
		50	1.12	83	66.4	55.3	41.5	33.2	27.7	23.7	20.7	18.4	16.6	
		60	1.22	90.9	72.7	60.6	45.4	36.3	30.3	26	22.7	20.2	18.2	
		80	1.41	104.9	83.9	70	52.5	42	35	30	26.2	23.3	21	
		100	1.58	117.3	93.9	78.2	58.7	46.9	39.1	33.5	29.3	26.1	23.5	
120	1.73	128.5	102.8	85.7	64.3	51.4	42.8	36.7	32.1	28.6	25.7			

Shaded area represents best drift control range.

Table based on spraying water at 70° F.

Flow rates may vary + 5%.

*For alternate nozzle spacings, use the following formula:

$$\frac{20'' \text{ spacing}}{\text{New nozzle spacing}} \times \text{Given RPA rate for 20'' spacing} = \text{New GPA rate}$$

NOZZLES