

## Sprayer Aides

Maintaining spray tank integrity can reduce the variables that impact pesticide performance. The following products can be easily implemented into your spray program.

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<b>Foam Buster</b> 12 x 1 qt	<b>Foam Buster</b> Formulated to quickly defoam spray solutions containing nonionic surfactants, silicone surfactants or crop oil concentrates. <b>Use Rate: 1—4 oz / 100 gallons of water</b>
<b>Mark -It Blue Spray Indicator</b> 12 x 1 qt	<b>Mark-it Blue Spray Indicator</b> Concentrated spray pattern indicator formulated to provide temporary visual evidence of where a spray application has been made. <b>Use Rate: 12 – 20 fluid ounces per 100 gallons of spray solution. Application rate, nozzle type, turf color, turf height, and individual water conditions may influence variations from the above rate.</b>
<b>InSide Out</b> Tank Cleaner 12—1 qt	<b>InSide Out</b> powerful, liquid spray tank cleaner formulated to emulsify and bond pesticide residues to the rinse water for complete purging. <b>Use rate: 1 qt per 100 gallon of rinse solution</b>
<b>Argent</b>	<b>ARGENT</b> reduces the pH and hardness of alkaline water. ARGENT will reduce the effects of alkaline hydrolyses on insecticides, fungicides, and herbicides. ARGENT is formulated with a citrus fragrance to act as a masking agent when spraying products that have an undesirable odor. <b>Use rate: 1 to 2 oz / 50 gallon of water</b>
<b>W.A.S.P</b> All Purpose Cleaner 4x1 gl	<b>W.A.S.P—Washes All Surfaces Perfectly!</b> Highly effective concentrated cleaner designed to remove the toughest stains—including grease and oil. Use on equipment, concrete surfaces, painted surfaces, siding and spray tanks.

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### Pond Dye

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<b>MIRAGE® Solu Pak</b> Lake and Pond Dye 4x1 gl	<b>MIRAGE® LAKE AND POND DYE</b> is a blended formulation of water soluble dyes. <b>MIRAGE® LAKE &amp; POND Color</b> is designed for use in lakes, ponds, decorative water features and other impounded bodies of water with limited outflow. <b>MIRAGE® LAKE &amp; POND Color</b> beautifies murky, cloudy or off colored water with a pleasing, natural aqua-blue tint <b>Use rate:</b>
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Greenleaf Technologies was founded by Bill Smart in 1985 with the idea of bringing high tech spray equipment to the market. Bill has spent his whole life developing and promoting advanced fluid handling technology which led to the creation of the TURBO DROP, a unique and time proven nozzle that:

- ◆ Maximizes on-target performance.
- ◆ Minimizes and eliminate drift by providing maximum chemical efficacy
- ◆ Prevents striping
- ◆ Are test proven with over 12 years of performance in the widest variety of golf course application
- ◆ Widens the spraying window enabling you to spray more quickly and efficiently with less water waste
- ◆ Provides a consistent uniform droplet size which makes the drops more useful and effective
- ◆ Produces air energized droplets which result in the drop accelerating toward target and then spreading on the leaf surface

[www.progro-solutions.com](http://www.progro-solutions.com) or [www.turbodrop.com](http://www.turbodrop.com)

Call your ProGro Agronomist to place an order.

# TurboDrop® Nozzle Tabulations

TurboDrop® nozzles consist of two primary components, the Venturi air aspirator 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. Higher pressures will improve penetration and coverage.

COMPLETE NOZZLE # <i>"C" designates ceramic metering orifice</i>	Liquid Pressure PSI	Nozzle Capacity GPM	GALLONS PER THOUSAND SQ. FT. BASED ON 20" NOZZLE SPACING								
			2 MPH	2.5 MPH	3 MPH	3.5 MPH	4 MPH	4.5 MPH	5 MPH	5.5 MPH	6 MPH
 <b>TD(C)XL11001</b> Standard TurboDrop (use 100 mesh)  <b>TD(C)TW01</b> TwinFan TurboDrop (Use 100 mesh)	30	0.09	0.30	0.24	0.20	0.17	0.15	0.13	0.12	0.11	0.10
	40	0.10	0.34	0.27	0.23	0.19	0.17	0.15	0.14	0.12	0.11
	50	0.11	0.38	0.30	0.25	0.22	0.19	0.17	0.15	0.14	0.13
	60	0.12	0.42	0.33	0.28	0.24	0.21	0.19	0.17	0.15	0.14
	70	0.13	0.45	0.36	0.30	0.26	0.23	0.20	0.18	0.16	0.15
	80	0.14	0.48	0.39	0.32	0.28	0.24	0.21	0.19	0.18	0.16
	100	0.16	0.54	0.43	0.36	0.31	0.27	0.24	0.22	0.20	0.18
 <b>TD(C)XL11015</b> Standard TurboDrop (use 100 mesh)  <b>TD(C)TW015</b> TwinFan TurboDrop (Use 100 mesh)	30	0.13	0.44	0.35	0.30	0.25	0.22	0.20	0.18	0.16	0.15
	40	0.15	0.51	0.41	0.34	0.29	0.26	0.23	0.20	0.19	0.17
	50	0.17	0.57	0.46	0.38	0.33	0.29	0.25	0.23	0.21	0.19
	60	0.18	0.63	0.50	0.42	0.36	0.31	0.28	0.25	0.23	0.21
	70	0.20	0.68	0.54	0.45	0.39	0.34	0.30	0.27	0.25	0.23
	80	0.21	0.72	0.58	0.48	0.41	0.36	0.32	0.29	0.26	0.24
	100	0.24	0.81	0.65	0.54	0.46	0.40	0.36	0.32	0.29	0.27
 <b>TD(C)XL11002</b> Standard TurboDrop (use 50 mesh)  <b>TD(C)TW02</b> TwinFan TurboDrop (Use 100 mesh)	30	0.17	0.59	0.47	0.39	0.34	0.30	0.26	0.24	0.21	0.20
	40	0.20	0.68	0.55	0.45	0.39	0.34	0.30	0.27	0.25	0.23
	50	0.22	0.76	0.61	0.51	0.44	0.38	0.34	0.30	0.28	0.25
	60	0.24	0.83	0.67	0.56	0.48	0.42	0.37	0.33	0.30	0.28
	70	0.26	0.90	0.72	0.60	0.52	0.45	0.40	0.36	0.33	0.30
	80	0.28	0.96	0.77	0.64	0.55	0.48	0.43	0.39	0.35	0.32
	100	0.32	1.08	0.86	0.72	0.62	0.54	0.48	0.43	0.39	0.36
 <b>TD(C)XL11025</b> Standard TurboDrop (use 50 mesh)  <b>TD(C)TW025</b> TwinFan TurboDrop (Use 100 mesh)	30	0.22	0.74	0.59	0.49	0.42	0.37	0.33	0.30	0.27	0.25
	40	0.25	0.85	0.68	0.57	0.49	0.43	0.38	0.34	0.31	0.28
	50	0.28	0.95	0.76	0.63	0.54	0.48	0.42	0.38	0.35	0.32
	60	0.31	1.04	0.83	0.70	0.60	0.52	0.46	0.42	0.38	0.35
	70	0.33	1.13	0.90	0.75	0.64	0.56	0.50	0.45	0.41	0.38
	80	0.35	1.20	0.96	0.80	0.69	0.60	0.54	0.48	0.44	0.40
	100	0.40	1.35	1.08	0.90	0.77	0.67	0.60	0.54	0.49	0.45
 <b>TD(C)XL11003</b> Standard TurboDrop (use 50 mesh)  <b>TD(C)TW03</b> TwinFan TurboDrop (Use 50 mesh)	30	0.26	0.89	0.71	0.59	0.51	0.44	0.39	0.35	0.32	0.30
	40	0.30	1.02	0.82	0.68	0.58	0.51	0.45	0.41	0.37	0.34
	50	0.34	1.14	0.91	0.76	0.65	0.57	0.51	0.46	0.42	0.38
	60	0.37	1.25	1.00	0.83	0.72	0.63	0.56	0.50	0.46	0.42
	70	0.40	1.35	1.08	0.90	0.77	0.68	0.60	0.54	0.49	0.45
	80	0.42	1.45	1.16	0.96	0.83	0.72	0.64	0.58	0.53	0.48
	100	0.47	1.62	1.29	1.08	0.92	0.81	0.72	0.65	0.59	0.54
 <b>TD(C)XL11004</b> Standard TurboDrop (use 50 mesh)  <b>TD(C)TW04</b> TwinFan TurboDrop (Use 50 mesh)	30	0.35	1.18	0.94	0.79	0.67	0.59	0.52	0.47	0.43	0.39
	40	0.40	1.36	1.09	0.91	0.78	0.68	0.61	0.55	0.50	0.45
	50	0.45	1.52	1.22	1.02	0.87	0.76	0.68	0.61	0.55	0.51
	60	0.49	1.67	1.34	1.11	0.95	0.83	0.74	0.67	0.61	0.56
	70	0.53	1.80	1.44	1.20	1.03	0.90	0.80	0.72	0.66	0.60
	80	0.57	1.93	1.54	1.28	1.10	0.96	0.86	0.77	0.70	0.64
	100	0.63	2.15	1.72	1.44	1.23	1.08	0.96	0.86	0.78	0.72
 <b>TD(C)XL11005</b> Standard TurboDrop (use 24 mesh)  <b>TD(C)TW05</b> TwinFan TurboDrop (Use 50 mesh)	30	0.43	1.48	1.18	0.98	0.84	0.74	0.66	0.59	0.54	0.49
	40	0.50	1.71	1.36	1.14	0.97	0.85	0.76	0.68	0.62	0.57
	50	0.56	1.91	1.53	1.27	1.09	0.95	0.85	0.76	0.69	0.64
	60	0.61	2.09	1.67	1.39	1.19	1.04	0.93	0.84	0.76	0.70
	70	0.66	2.26	1.80	1.50	1.29	1.13	1.00	0.90	0.82	0.75
	80	0.71	2.41	1.93	1.61	1.38	1.21	1.07	0.96	0.88	0.80
	100	0.79	2.70	2.16	1.80	1.54	1.35	1.20	1.08	0.98	0.90
 <b>TD(C)XL11006</b> Standard TurboDrop (use 24 mesh)  <b>TD(C)TW06</b> TwinFan TurboDrop (Use 50 mesh)	30	0.52	1.77	1.42	1.18	1.01	0.89	0.79	0.71	0.64	0.59
	40	0.60	2.05	1.64	1.36	1.17	1.02	0.91	0.82	0.74	0.68
	50	0.67	2.29	1.83	1.53	1.31	1.14	1.02	0.92	0.83	0.76
	60	0.74	2.51	2.00	1.67	1.43	1.25	1.11	1.00	0.91	0.84
	70	0.79	2.71	2.17	1.80	1.55	1.35	1.20	1.08	0.98	0.90
	80	0.85	2.89	2.31	1.93	1.65	1.45	1.29	1.16	1.05	0.96
	100	0.95	3.24	2.59	2.16	1.85	1.62	1.44	1.29	1.18	1.08
 <b>TD(C)XL11008</b> Standard TurboDrop (use 24 mesh)  <b>TD(C)TW08</b> TwinFan TurboDrop (Use 24 mesh)	30	0.69	2.35	1.88	1.57	1.34	1.18	1.05	0.94	0.86	0.78
	40	0.80	2.72	2.17	1.81	1.55	1.36	1.21	1.09	0.99	0.91
	50	0.89	3.04	2.43	2.02	1.74	1.52	1.35	1.21	1.10	1.01
	60	0.98	3.33	2.66	2.22	1.90	1.66	1.48	1.33	1.21	1.11
	70	1.05	3.59	2.88	2.40	2.05	1.80	1.60	1.44	1.31	1.20
	80	1.13	3.84	3.07	2.56	2.20	1.92	1.71	1.54	1.40	1.28
	100	1.26	4.30	3.44	2.86	2.45	2.15	1.91	1.72	1.56	1.43
 <b>TD(C)XL11010</b> Standard TurboDrop (use 24 mesh)  <b>TD(C)TW10</b> TwinFan TurboDrop (Use 24 mesh)	30	0.87	2.95	2.36	1.97	1.69	1.48	1.31	1.18	1.07	0.98
	40	1.00	3.41	2.73	2.27	1.95	1.70	1.51	1.36	1.24	1.14
	50	1.12	3.81	3.05	2.54	2.18	1.90	1.69	1.52	1.38	1.27
	60	1.22	4.17	3.34	2.78	2.38	2.09	1.85	1.67	1.52	1.39
	70	1.32	4.51	3.61	3.00	2.58	2.25	2.00	1.80	1.64	1.50
	80	1.41	4.82	3.85	3.21	2.75	2.41	2.14	1.93	1.75	1.61
	100	1.58	5.39	4.31	3.59	3.08	2.69	2.39	2.15	1.96	1.80

To convert from gallons per thousand square feet to gallons per acre, multiply by 43.7

**Pressure Range:** 30-120 psi. **Optimal Pressure Range:** 40-80 psi.

**Recommended Boom Height:** 18-36" (with 20" nozzle spacing) 16-18" for TwinFan TurboDrop®