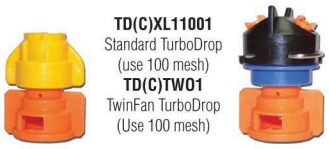
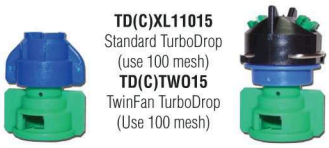
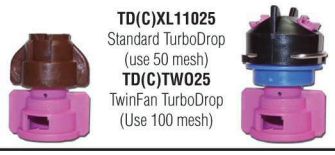
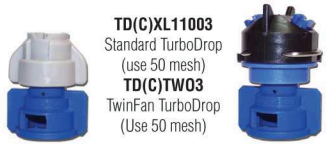
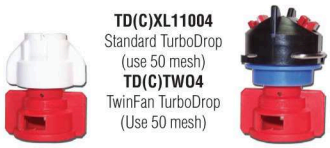
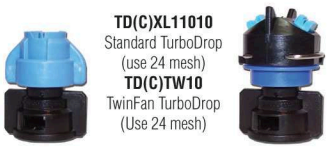
TurboDrop® Nozzle Tabulations

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 # *"C" designates ceramic metering orifice*	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
 **TD(C)XL11001** Standard TurboDrop (use 100 mesh) **TD(C)TWO1** 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
 **TD(C)XL11015** Standard TurboDrop (use 100 mesh) **TD(C)TWO15** 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
 **TD(C)XL11002** Standard TurboDrop (use 50 mesh) **TD(C)TWO2** 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
 **TD(C)XL11025** Standard TurboDrop (use 50 mesh) **TD(C)TWO25** 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
 **TD(C)XL11003** Standard TurboDrop (use 50 mesh) **TD(C)TWO3** 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
 **TD(C)XL11004** Standard TurboDrop (use 50 mesh) **TD(C)TWO4** 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
 **TD(C)XL11005** Standard TurboDrop (use 24 mesh) **TD(C)TWO5** 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
 **TD(C)XL11006** Standard TurboDrop (use 24 mesh) **TD(C)TWO6** 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
 **TD(C)XL11008** Standard TurboDrop (use 24 mesh) **TD(C)TWO8** 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
 **TD(C)XL11010** Standard TurboDrop (use 24 mesh) **TD(C)TW10** 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®