TurboDrop® XL Medium Pressure Nozzles - 20" Spacing Tabulation Chart

The TurboDrop® Venturi (TDXLV/TDVC) is the heart of both the TurboDrop® nozzle. The Venturi (or injector) meters the flow and injects air into the spray fluid. The TurboDrop® Venturi is ISO color coded for flow rate. The pattern tip or combination of tips is double the flow rate of the Venturi. For example, a blue 03 Venturi requires an 06 pattern tip, or a pair of tips that add up to 06. The TurboDrop® Venturi nozzle utilizes a patented stabilization chamber and pulsation dampener which results in even mixing of air with the spray liquid, and a tighter, more uniform droplet spectrum for a unique combination of drift control and coverage.

The TurboDrop® XL nozzle is unique among air injection nozzles in that it was designed for contact chemicals, not just glyphosate (a systemic herbicide). In fact, the TurboDrop® XL, the TurboDrop® DualFan and the AirMix® were the first air injection nozzles recommended by Bayer CropScience for use with Liberty™ herbicide. The single fan XL can be used in most ag spray applications by choosing the appropriate combination of carrier rate and droplet size.

Pressure Range: 20-120 psi (30-150 psi, ceramic) **Recommended Boom Height XL:** 18-36" (with 20" nozzle spacing)
Materials of Construction: Polyacetal, EPDM. Semi-ceramic version (TDCXL) utilizes ceramic pre-orifice for extended wear life.

TurboDrop® XL

TDXL11001
TDXL110015
TDXL11002
TDXL110025
TDXL11003
TDXL11004
TDXL11005
TDXL11006
TDXL11008
TDXL11010
TDXL11015

Nozzle	Droplet	PSI	GPM	5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	11 MPH	12 MPH	13 MPH	14 MPH	15 MPH	16 MPH	17 MPH	18 MPH	20 MPH
TDXL11001	C	30	0.09	5.1	4.3	3.7	3.2	2.9	2.6	2.3	2.1	2.0	1.8	1.7	1.6	1.5	1.4	1.3
	C	40	0.10	5.9	5.0	4.2	3.7	3.3	3.0	2.7	2.5	2.3	2.1	2.0	1.9	1.7	1.7	1.5
	M	50	0.11	6.6	5.5	4.7	4.2	3.7	3.3	3.0	2.8	2.6	2.4	2.2	2.1	2.0	1.8	1.7
	M	60	0.12	7.3	6.1	5.2	4.5	4.0	3.6	3.3	3.0	2.8	2.6	2.4	2.3	2.1	2.0	1.8
	M	70	0.13	7.9	6.5	5.6	4.9	4.4	3.9	3.6	3.3	3.0	2.8	2.6	2.5	2.3	2.2	2.0
	F	80	0.14	8.4	7.0	6.0	5.3	4.7	4.2	3.8	3.5	3.2	3.0	2.8	2.6	2.5	2.3	2.1
	F	90	0.15	8.9	7.4	6.4	5.6	5.0	4.5	4.1	3.7	3.4	3.2	3.0	2.8	2.6	2.5	2.2
	F	100	0.16	9.4	7.8	6.7	5.9	5.2	4.7	4.3	3.9	3.6	3.4	3.1	2.9	2.8	2.6	2.3
	F	120	0.17	10.3	8.6	7.3	6.4	5.7	5.1	4.7	4.3	4.0	3.7	3.4	3.2	3.0	2.9	2.6
TDXL110015	C	30	0.13	7.7	6.4	5.5	4.8	4.3	3.9	3.5	3.2	3.0	2.8	2.6	2.4	2.3	2.1	1.9
	C	40	0.15	8.9	7.4	6.4	5.6	5.0	4.5	4.1	3.7	3.4	3.2	3.0	2.8	2.6	2.5	2.2
	M	50	0.17	10.0	8.3	7.1	6.2	5.5	5.0	4.5	4.2	3.8	3.6	3.3	3.1	2.9	2.8	2.5
	M	60	0.18	10.9	9.1	7.8	6.8	6.1	5.5	5.0	4.5	4.2	3.9	3.6	3.4	3.2	3.0	2.7
	M	70	0.20	11.8	9.8	8.4	7.4	6.5	5.9	5.4	4.9	4.5	4.2	3.9	3.7	3.5	3.3	2.9
	M	80	0.21	12.6	10.5	9.0	7.9	7.0	6.3	5.7	5.3	4.8	4.5	4.2	3.9	3.7	3.5	3.2
	F	90	0.23	13.4	11.1	9.5	8.4	7.4	6.7	6.1	5.6	5.1	4.8	4.5	4.2	3.9	3.7	3.3
	F	100	0.24	14.1	11.7	10.1	8.8	7.8	7.0	6.4	5.9	5.4	5.0	4.7	4.4	4.1	3.9	3.5
	F	120	0.26	15.4	12.9	11.0	9.6	8.6	7.7	7.0	6.4	5.9	5.5	5.1	4.8	4.5	4.3	3.9
TDXL11002	C	30	0.17	10.3	8.6	7.3	6.4	5.7	5.1	4.7	4.3	4.0	3.7	3.4	3.2	3.0	2.9	2.6
	C	40	0.20	11.9	9.9	8.5	7.4	6.6	5.9	5.4	5.0	4.6	4.2	4.0	3.7	3.5	3.3	3.0
	M	50	0.22	13.3	11.1	9.5	8.3	7.4	6.6	6.0	5.5	5.1	4.7	4.4	4.2	3.9	3.7	3.3
	M	60	0.24	14.5	12.1	10.4	9.1	8.1	7.3	6.6	6.1	5.6	5.2	4.8	4.5	4.3	4.0	3.6
	M	70	0.26	15.7	13.1	11.2	9.8	8.7	7.9	7.1	6.5	6.0	5.6	5.2	4.9	4.6	4.4	3.9
	M	80	0.28	16.8	14.0	12.0	10.5	9.3	8.4	7.6	7.0	6.5	6.0	5.6	5.3	4.9	4.7	4.2
	F	90	0.30	17.8	14.9	12.7	11.1	9.9	8.9	8.1	7.4	6.9	6.4	5.9	5.6	5.2	5.0	4.5
	F	100	0.32	18.8	15.7	13.4	11.7	10.4	9.4	8.5	7.8	7.2	6.7	6.3	5.9	5.5	5.2	4.7
	F	120	0.35	20.6	17.1	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.3	6.9	6.4	6.1	5.7	5.1
TDXL110025	VC	30	0.22	12.9	10.7	9.2	8.0	7.1	6.4	5.8	5.4	4.9	4.6	4.3	4.0	3.8	3.6	3.2
	VC	40	0.25	14.9	12.4	10.6	9.3	8.3	7.4	6.8	6.2	5.7	5.3	5.0	4.6	4.4	4.1	3.7
	C	50	0.28	16.6	13.8	11.9	10.4	9.2	8.3	7.5	6.9	6.4	5.9	5.5	5.2	4.9	4.6	4.2
	M	60	0.31	18.2	15.2	13.0	11.4	10.1	9.1	8.3	7.6	7.0	6.5	6.1	5.7	5.3	5.1	4.5
	M	70	0.33	19.6	16.4	14.0	12.3	10.9	9.8	8.9	8.2	7.6	7.0	6.5	6.1	5.8	5.5	4.9
	M	80	0.35	21.0	17.5	15.0	13.1	11.7	10.5	9.5	8.8	8.1	7.5	7.0	6.6	6.2	5.8	5.3
	M	90	0.38	22.3	18.6	15.9	13.9	12.4	11.1	10.1	9.3	8.6	8.0	7.4	7.0	6.6	6.2	5.6
	M	100	0.40	23.5	19.6	16.8	14.7	13.0	11.7	10.7	9.8	9.0	8.4	7.8	7.3	6.9	6.5	5.9
	F	120	0.43	25.7	21.4	18.4	16.1	14.3	12.9	11.7	10.7	9.9	9.2	8.6	8.0	7.6	7.1	6.4
TDXL11003	XC	30	0.26	15.4	12.9	11.0	9.6	8.6	7.7	7.0	6.4	5.9	5.5	5.1	4.8	4.5	4.3	3.9
	VC	40	0.30	17.8	14.9	12.7	11.1	9.9	8.9	8.1	7.4	6.9	6.4	5.9	5.6	5.2	5.0	4.5
	C	50	0.34	19.9	16.6	14.2	12.5	11.1	10.0	9.1	8.3	7.7	7.1	6.6	6.2	5.9	5.5	5.0
	C	60	0.37	21.8	18.2	15.6	13.6	12.1	10.9	9.9	9.1	8.4	7.8	7.3	6.8	6.4	6.1	5.5
	M	70	0.40	23.6	19.6	16.8	14.7	13.1	11.8	10.7	9.8	9.1	8.4	7.9	7.4	6.9	6.5	5.9
	M	80	0.42	25.2	21.0	18.0	15.8	14.0	12.6	11.5	10.5	9.7	9.0	8.4	7.9	7.4	7.0	6.3
	M	90	0.45	26.7	22.3	19.1	16.7	14.9	13.4	12.2	11.1	10.3	9.5	8.9	8.4	7.9	7.4	6.7
	M	100	0.47	28.2	23.5	20.1	17.6	15.7	14.1	12.8	11.7	10.8	10.1	9.4	8.8	8.3	7.8	7.0
	M	120	0.52	30.9	25.7	22.0	19.3	17.1	15.4	14.0	12.9	11.9	11.0	10.3	9.6	9.1	8.6	7.7
TDXL11004	XC	30	0.35	20.6	17.1	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.3	6.9	6.4	6.1	5.7	5.1
	VC	40	0.40	23.8	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0	6.6	5.9
	C	50	0.45	26.6	22.1	19.0	16.6	14.8	13.3	12.1	11.1	10.2	9.5	8.9	8.3	7.8	7.4	6.6
	C	60	0.49	29.1	24.2	20.8	18.2	16.2	14.5	13.2	12.1	11.2	10.4	9.7	9.1	8.6	8.1	7.3
	M	70	0.53	31.4	26.2	22.5	19.6	17.5	15.7	14.3	13.1	12.1	11.2	10.5	9.8	9.2	8.7	7.9
	M	80	0.57	33.6	28.0	24.0	21.0	18.7	16.8	15.3	14.0	12.9	12.0	11.2	10.5	9.9	9.3	8.4
	M	90	0.60	35.6	29.7	25.5	22.3	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5	9.9	8.9
	M	100	0.63	37.6	31.3	26.8	23.5	20.9	18.8	17.1	15.7	14.4	13.4	12.5	11.7	11.0	10.4	9.4
	M	120	0.69	41.2	34.3	29.4	25.7	22.9	20.6	18.7	17.1	15.8	14.7	13.7	12.9	12.1	11.4	10.3
TDXL11005	XC	30	0.43	25.7	21.4	18.4	16.1	14.3	12.9	11.7	10.7	9.9	9.2	8.6	8.0	7.6	7.1	6.4
	XC	40	0.50	29.7	24.8	21.2	18.6	16.5	14.9	13.5	12.4	11.4	10.6	9.9	9.3	8.7	8.3	7.4
	VC	50	0.56	33.2	27.7	23.7	20.8	18.4	16.6	15.1	13.8	12.8	11.9	11.1	10.4	9.8	9.2	8.3
	VC	60	0.61	36.4	30.3	26.0	22.7	20.2	18.2	16.5	15.2	14.0	13.0	12.1	11.4	10.7	10.1	9.1
	C	70	0.66	39.3	32.7	28.1	24.6	21.8	19.6	17.9	16.4	15.1	14.0	13.1	12.3	11.6	10.9	9.8
	C	80	0.71	42.0	35.0	30.0	26.3	23.3	21.0	19.1	17.5	16.2	15.0	14.0	13.1	12.4	11.7	10.5
	M	90	0.75	44.6	37.1	31.8	27.8	24.8	22.3	20.3	18.6	17.1	15.9	14.9	13.9	13.1	12.4	11.1
	M	100	0.79	47.0	39.1	33.5	29.3	26.1	23.5	21.3	19.6	18.1	16.8	15.7	14.7	13.8	13.0	11.7
	M	120	0.87	51.4	42.9	36.7	32.2	28.6	25.7	23.4	21.4	19.8	18.4	17.1	16.1	15.1	14.3	12.9
TDXL11006	XC	30	0.52	30.9	25.7	22.0	19.3	17.1	15.4	14.0	12.9	11.9	11.0	10.3	9.6	9.1	8.6	7.7
	XC	40	0.60	35.6	29.7	25.5	22.3	19.8	17.8	16.2	14.9	13.7	12.7	11.9	11.1	10.5	9.9	8.9
	XC	50	0.67	39.8	33.2	28.5	24.9	22.1	19.9	18.1	16.6	15.3	14.2	13.3	12.5	11.7	11.1	10.0
	VC	60	0.73	43.6	36.4	31.2	27.3	24.2	21.8	19.8	18.2	16.8	15.6	14.5	13.6	12.8	12.1	10.9
	VC	70	0.79	47.1	39.3	33.7	29.5	26.2	23.6	21.4	19.6	18.1	16.8	15.7	14.7	13.9	13.1	11.8
	C	80	0.85	50.4	42.0	36.0	31.5	28.0	25.2	22.9	21.0	19.4	18.0	16.8	15.8	14.8	14.0	12.6
	C	90	0.90	53.5	44.6	38.2	33.4	29.7	26.7	24.3	22.3	20.6	19.1	17.8	16.7	15.7	14.9	13.4
	M	100	0.95	56.4	47.0	40.3	35.2	31.3	28.2	25.6	23.5	21.7	20.1	18.8	17.6	16.6	15.7	14.1
	M	120	1.04	61.7	51.4	44.1	38.6	34.3	30.9	28.1	25.7	23.7	22.0	20.6	19.3	18.2	17.1	15.4

GALLONS PER ACRE BASED ON 20" NOZZLE SPACING

*Color changes reflect ISO code updates.

1-800-881-4832 · www.GreenleafTech.com

TurboDrop® XL Medium Pressure Nozzles - 20" Spacing Tabulation Chart

	Droplet	PSI	GPM	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING														
				5 MPH	6 MPH	7 MPH	8 MPH	9 MPH	10 MPH	11 MPH	12 MPH	13 MPH	14 MPH	15 MPH	16 MPH	17 MPH	18 MPH	20 MPH
TDXL11008	XC	30	0.69	41.2	34.3	29.4	25.7	22.9	20.6	18.7	17.1	15.8	14.7	13.7	12.9	12.1	11.4	10.3
	XC	40	0.80	47.5	39.6	33.9	29.7	26.4	23.8	21.6	19.8	18.3	17.0	15.8	14.9	14.0	13.2	11.9
	XC	50	0.89	53.1	44.3	37.9	33.2	29.5	26.6	24.1	22.1	20.4	19.0	17.7	16.6	15.6	14.8	13.3
	XC	60	0.98	58.2	48.5	41.6	36.4	32.3	29.1	26.5	24.2	22.4	20.8	19.4	18.2	17.1	16.2	14.5
	VC	70	1.06	62.9	52.4	44.9	39.3	34.9	31.4	28.6	26.2	24.2	22.5	21.0	19.6	18.5	17.5	15.7
	VC	80	1.13	67.2	56.0	48.0	42.0	37.3	33.6	30.5	28.0	25.8	24.0	22.4	21.0	19.8	18.7	16.8
	VC	90	1.20	71.3	59.4	50.9	44.6	39.6	35.6	32.4	29.7	27.4	25.5	23.8	22.3	21.0	19.8	17.8
	C	100	1.26	75.1	62.6	53.7	47.0	41.7	37.6	34.2	31.3	28.9	26.8	25.0	23.5	22.1	20.9	18.8
	C	120	1.39	82.3	68.6	58.8	51.4	45.7	41.2	37.4	34.3	31.7	29.4	27.4	25.7	24.2	22.9	20.6
TDXL11010 ∗	XC	30	0.87	51.4	42.9	36.7	32.2	28.6	25.7	23.4	21.4	19.8	18.4	17.1	16.1	15.1	14.3	12.9
	XC	40	1.00	59.4	49.5	42.4	37.1	33.0	29.7	27.0	24.8	22.8	21.2	19.8	18.6	17.5	16.5	14.9
	XC	50	1.12	66.4	55.3	47.4	41.5	36.9	33.2	30.2	27.7	25.5	23.7	22.1	20.8	19.5	18.4	16.6
	XC	60	1.22	72.7	60.6	52.0	45.5	40.4	36.4	33.1	30.3	28.0	26.0	24.2	22.7	21.4	20.2	18.2
	XC	70	1.32	78.6	65.5	56.1	49.1	43.7	39.3	35.7	32.7	30.2	28.1	26.2	24.6	23.1	21.8	19.6
	VC	80	1.41	84.0	70.0	60.0	52.5	46.7	42.0	38.2	35.0	32.3	30.0	28.0	26.3	24.7	23.3	21.0
	VC	90	1.50	89.1	74.3	63.6	55.7	49.5	44.6	40.5	37.1	34.3	31.8	29.7	27.8	26.2	24.8	22.3
	VC	100	1.58	93.9	78.3	67.1	58.7	52.2	47.0	42.7	39.1	36.1	33.5	31.3	29.3	27.6	26.1	23.5
	VC	120	1.73	102.9	85.7	73.5	64.3	57.2	51.4	46.8	42.9	39.6	36.7	34.3	32.2	30.3	28.6	25.7
TDXL11015		30	1.30	77.2	64.3	55.1	48.2	42.9	38.6	35.1	32.2	29.7	27.6	25.7	24.1	22.7	21.4	19.3
		40	1.50	89.1	74.3	63.6	55.7	49.5	44.6	40.5	37.1	34.3	31.8	29.7	27.8	26.2	24.8	22.3
		50	1.68	99.6	83.0	71.2	62.3	55.3	49.8	45.3	41.5	38.3	35.6	33.2	31.1	29.3	27.7	24.9
		60	1.84	109.1	90.9	77.9	68.2	60.6	54.6	49.6	45.5	42.0	39.0	36.4	34.1	32.1	30.3	27.3
		70	1.98	117.9	98.2	84.2	73.7	65.5	58.9	53.6	49.1	45.3	42.1	39.3	36.8	34.7	32.7	29.5
		80	2.12	126.0	105.0	90.0	78.8	70.0	63.0	57.3	52.5	48.5	45.0	42.0	39.4	37.1	35.0	31.5
		90	2.25	133.7	111.4	95.5	83.5	74.3	66.8	60.8	55.7	51.4	47.7	44.6	41.8	39.3	37.1	33.4
		100	2.37	140.9	117.4	100.6	88.0	78.3	70.4	64.0	58.7	54.2	50.3	47.0	44.0	41.4	39.1	35.2
		120	2.60	154.3	128.6	110.2	96.5	85.7	77.2	70.1	64.3	59.4	55.1	51.4	48.2	45.4	42.9	38.6

∗ Color changes reflect ISO code updates.