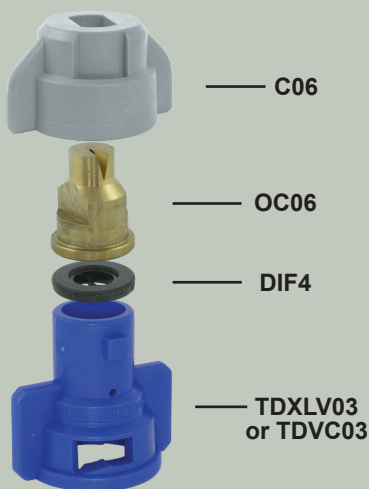


TurboDrop® Nozzles for Strip Spraying

TURBODROP® VENTURI WITH OC TIP



TurboDrop air induction nozzles are designed to minimize drift without sacrificing coverage for all types of herbicide applications.

A combination of standard TurboDrop XL nozzles and Turbodrop Venturis with Off Center tips is ideal for strip spraying in orchards and vineyards. TurboDrop XL nozzles with 110 degree pattern tips (TDXL or TDCXL) are used in the row middle, and TurboDrop Venturis with Off Center tips are used directly under the tree or vine.

TurboDrop nozzles consist of two primary components, the Venturi air injector and the exit pattern tip. The orifice in the ISO colored Venturi determines the flow rate of the complete assembly. The exit tip, which is double the size of the Venturi, does not affect flow rate; it is only used to form the desired pattern. A variety of pattern tips may be used.

The Off Center tip should be twice the size of the Venturi, and a diffuser (DIF4) should be used between the Venturi and the OC tip. Choose from the all poly TDXLV or the semi-ceramic TDVC.

Pressure Range: 20-120 psi (30-150psi, TDCXL)

Optimal Pressure Range: 30-90 psi

Recommended boom height: 18-36" (with 20" nozzle spacing)

Standard TurboDrop XL Nozzles	Droplet Size ASABE	Venturi + Off Center Tip	Liquid Pressure PSI	Nozzle Capacity GPM	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING							
					3 MPH	4 MPH	5 MPH	6 MPH	8 MPH	10 MPH	12 MPH	14 MPH
 TDXL110015 or TDCXL110015	C	C03 OC03 DIF4 TDXLV015 (or TDVC015)	30	0.13	12.9	9.6	7.7	6.4	4.8	3.9	3.2	2.8
	C		40	0.15	14.9	11.1	8.9	7.4	5.6	4.5	3.7	3.2
	M		50	0.17	16.6	12.5	10.0	8.3	6.2	5.0	4.2	3.6
	M		60	0.18	18.2	13.6	10.9	9.1	6.8	5.5	4.5	3.9
	M		70	0.20	19.6	14.7	11.8	9.8	7.4	5.9	4.9	4.2
	M		80	0.21	21.0	15.8	12.6	10.5	7.9	6.3	5.3	4.5
	F		100	0.24	23.5	17.6	14.1	11.7	8.8	7.0	5.9	5.0
F	120	0.26	25.7	19.3	15.4	12.9	9.6	7.7	6.4	5.4		
 TDXL11002 or TDCXL11002	C	C04 OC04 DIF4 TDXLV02 (or TDVC02)	30	0.17	17.1	12.9	10.3	8.6	6.4	5.1	4.3	3.7
	C		40	0.20	19.8	14.9	11.9	9.9	7.4	5.9	5.0	4.2
	M		50	0.22	22.1	16.6	13.3	11.1	8.3	6.6	5.5	4.7
	M		60	0.24	24.2	18.2	14.5	12.1	9.1	7.3	6.1	5.2
	M		70	0.26	26.2	19.6	15.7	13.1	9.8	7.9	6.5	5.6
	M		80	0.28	28.0	21.0	16.8	14.0	10.5	8.4	7.0	6.0
	F		100	0.32	31.3	23.5	18.8	15.7	11.7	9.4	7.8	6.7
F	120	0.35	34.3	25.7	20.6	17.1	12.9	10.3	8.6	7.3		
 TDXL110025 or TDCXL110025	VC	C06 OC06 DIF4 TDXLV025 (or TDVC025)	30	0.22	21.4	16.1	12.9	10.7	8.0	6.4	5.4	4.6
	VC		40	0.25	24.8	18.6	14.9	12.4	9.3	7.4	6.2	5.3
	C		50	0.28	27.7	20.8	16.6	13.8	10.4	8.3	6.9	5.9
	M		60	0.31	30.3	22.7	18.2	15.2	11.4	9.1	7.6	6.5
	M		70	0.33	32.7	24.6	19.6	16.4	12.3	9.8	8.2	7.0
	M		80	0.35	35.0	26.3	21.0	17.5	13.1	10.5	8.8	7.5
	F		100	0.40	39.1	29.3	23.5	19.6	14.7	11.7	9.8	8.4
F	120	0.43	42.9	32.2	25.7	21.4	16.1	12.9	10.7	9.2		
 TDXL11003 or TDCXL11003	XC	C06 OC06 DIF4 TDXLV03 (or TDVC03)	30	0.26	25.7	19.3	15.4	12.9	9.6	7.7	6.4	5.5
	VC		40	0.30	29.7	22.3	17.8	14.9	11.1	8.9	7.4	6.4
	C		50	0.34	33.2	24.9	19.9	16.6	12.5	10.0	8.3	7.1
	C		60	0.37	36.4	27.3	21.8	18.2	13.6	10.9	9.1	7.8
	M		70	0.40	39.3	29.5	23.6	19.6	14.7	11.8	9.8	8.4
	M		80	0.42	42.0	31.5	25.2	21.0	15.8	12.6	10.5	9.0
	M		100	0.47	47.0	35.2	28.2	23.5	17.6	14.1	11.7	10.1
M	120	0.52	51.4	38.6	30.9	25.7	19.3	15.4	12.9	11.0		
 TDXL11004 or TDCXL11004	XC	C08 OC08 DIF4 TDXLV04 (or TDVC04)	30	0.35	34.3	25.7	20.6	17.1	12.9	10.3	8.6	7.3
	VC		40	0.40	39.6	29.7	23.8	19.8	14.9	11.9	9.9	8.5
	C		50	0.45	44.3	33.2	26.6	22.1	16.6	13.3	11.1	9.5
	C		60	0.49	48.5	36.4	29.1	24.2	18.2	14.5	12.1	10.4
	M		70	0.53	52.4	39.3	31.4	26.2	19.6	15.7	13.1	11.2
	M		80	0.57	56.0	42.0	33.6	28.0	21.0	16.8	14.0	12.0
	M		100	0.63	62.6	47.0	37.6	31.3	23.5	18.8	15.7	13.4
M	120	0.69	68.6	51.4	41.2	34.3	25.7	20.6	17.1	14.7		
 TDXL11005 or TDCXL11005	XC	C10 OC12 DIF4 TDXLV05 (or TDVC05)	30	0.43	42.9	32.2	25.7	21.4	16.1	12.9	10.7	9.2
	XC		40	0.50	49.5	37.1	29.7	24.8	18.6	14.9	12.4	10.6
	VC		50	0.56	55.3	41.5	33.2	27.7	20.8	16.6	13.8	11.9
	VC		60	0.61	60.6	45.5	36.4	30.3	22.7	18.2	15.2	13.0
	C		70	0.66	65.5	49.1	39.3	32.7	24.6	19.6	16.4	14.0
	C		80	0.71	70.0	52.5	42.0	35.0	26.3	21.0	17.5	15.0
	M		100	0.79	78.3	58.7	47.0	39.1	29.3	23.5	19.6	16.8
M	120	0.87	85.7	64.3	51.4	42.9	32.2	25.7	21.4	18.4		

Droplet size data is for Standard TurboDrop XL Nozzles