

TURBODROP®



TurboDrop® XL-D and TurboDrop® DualFan-D

TURBODROP® XL-D NOZZLE (TDXL-D/TDCXL-D)



TDXL11001-D
TDXL110015-D
TDXL11002-D
TDXL110025-D
TDXL11003-D
TDXL11004-D
TDXL11005-D
TDXL11006-D
TDXL11008-D

The D versions of the TurboDrop® nozzles were designed with dicamba, 2,4-D and glyphosate in mind, where a coarser spray droplet is desirable. It is important to remember that as sprays become coarser, coverage may be compromised. Choosing the TurboDrop® DualFan and alternating the nozzles on the boom will help counter the potential loss of coverage by effectively spraying the target four times in one pass.

The D nozzles employ proven TurboDrop® Venturi Technology to inject air and create a larger, more uniform droplet spectrum. The pattern tips are larger in comparison to those of the standard XL and DualFan nozzles, which results in a greater pressure drop and a larger overall droplet size. D series nozzles can be converted to standard TurboDrop® nozzles by switching out the pattern tip(s) for smaller ones in order to make the spray less coarse for contact pesticides.

Pressure Range: 30-120 psi (30-150 psi, ceramic)

Recommended Boom Height: 18-36" (with 20" nozzle spacing)

Materials of Construction: Polyacetyl, EPDM, Ceramic (TDCXL-D/TACDF-D)

TURBODROP® DUALFAN-D NOZZLE (TADF-D/TACDF-D)



TADF01-D
TADF015-D
TADF02-D
TADF025-D
TADF03-D
TADF04-D
TADF05-D
TADF06-D
TADF08-D

TURBODROP® D VERSION		LIQUID PRESSURE PSI	DROPLET SIZE ASABE		NOZZLE CAPACITY GPM	GALLONS PER ACRE BASED ON 20" NOZZLE SPACING															
			TDXL-D	TADF-D		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	
 (Use 50 mesh)		30	UC	UC	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	
		40	XC	XC	0.20	11.9	9.9	8.5	7.4	6.6	5.9	5.4	4.9	4.6	4.2	4.0	3.7	3.5	3.3	3.0	
		50	XC	XC	0.22	13.3	11.1	9.5	8.3	7.4	6.6	6.0	5.5	5.1	4.7	4.4	4.1	3.9	3.7	3.3	
		60	XC	XC	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	
		70	VC	VC	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	
		80	VC	VC	0.28	16.8	14.0	12.0	10.5	9.3	8.4	7.6	7.0	6.5	6.0	5.6	5.2	4.9	4.7	4.2	
		90	VC	VC	0.30	17.8	14.8	12.7	11.1	9.9	8.9	8.1	7.4	6.8	6.4	5.9	5.6	5.2	4.9	4.5	
		100			0.32	18.8	15.6	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	
120			0.35	20.6	17.1	14.7	12.9	11.4	10.3	9.3	8.6	7.9	7.3	6.9	6.4	6.0	5.7	5.1			
 (Use 50 mesh)		30	UC	UC	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	
		40	XC	XC	0.25	14.8	12.4	10.6	9.3	8.2	7.4	6.7	6.2	5.7	5.3	4.9	4.6	4.4	4.1	3.7	
		50	XC	XC	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	4.1	
		60	XC	XC	0.31	18.2	15.1	13.0	11.4	10.1	9.1	8.3	7.6	7.0	6.5	6.1	5.7	5.3	5.0	4.5	
		70	VC	VC	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	
		80	VC	VC	0.35	21.0	17.5	15.0	13.1	11.7	10.5	9.5	8.7	8.1	7.5	7.0	6.6	6.2	5.8	5.2	
		90	VC	VC	0.37	22.3	18.5	15.9	13.9	12.4	11.1	10.1	9.3	8.6	7.9	7.4	7.0	6.5	6.2	5.6	
		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	
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			
 (Use 50 mesh)		30	UC	UC	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	
		40	UC	UC	0.30	17.8	14.8	12.7	11.1	9.9	8.9	8.1	7.4	6.8	6.4	5.9	5.6	5.2	4.9	4.5	
		50	XC	XC	0.34	19.9	16.6	14.2	12.4	11.1	10.0	9.0	8.3	7.7	7.1	6.6	6.2	5.9	5.5	5.0	
		60	XC	XC	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	
		70	XC	XC	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	
		80	VC	VC	0.42	25.2	21.0	18.0	15.7	14.0	12.6	11.4	10.5	9.7	9.0	8.4	7.9	7.4	7.0	6.3	
		90	VC	VC	0.45	26.7	22.3	19.1	16.7	14.8	13.4	12.1	11.1	10.3	9.5	8.9	8.3	7.9	7.4	6.7	
		100			0.47	28.2	23.5	20.1	17.6	15.6	14.1	12.8	11.7	10.8	10.1	9.4	8.8	8.3	7.8	7.0	
120			0.52	30.8	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			
 (Use 24 mesh)		30	UC	UC	0.35	20.6	17.1	14.7	12.9	11.4	10.3	9.3	8.6	7.9	7.3	6.9	6.4	6.0	5.7	5.1	
		40	UC	UC	0.40	23.7	19.8	17.0	14.8	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0	6.6	5.9	
		50	UC	XC	0.45	26.5	22.1	19.0	16.6	14.7	13.3	12.1	11.1	10.2	9.5	8.8	8.3	7.8	7.4	6.6	
		60	XC	XC	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	
		70	XC	XC	0.53	31.4	26.2	22.4	19.6	17.4	15.7	14.3	13.1	12.1	11.2	10.5	9.8	9.2	8.7	7.9	
		80	XC	XC	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	
		90	XC	VC	0.60	35.6	29.7	25.4	22.3	19.8	17.8	16.2	14.8	13.7	12.7	11.9	11.1	10.5	9.9	8.9	
		100			0.63	37.5	31.3	26.8	23.5	20.9	18.8	17.1	15.6	14.4	13.4	12.5	11.7	11.0	10.4	9.4	
120			0.69	41.1	34.3	29.4	25.7	22.8	20.6	18.7	17.1	15.8	14.7	13.7	12.9	12.1	11.4	10.3			
 (Use 24 mesh)		30	UC	UC	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	
		40	UC	UC	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	
		50	UC	XC	0.56	33.2	27.7	23.7	20.8	18.5	16.6	15.1	13.8	12.8	11.9	11.1	10.4	9.8	9.2	8.3	
		60	UC	XC	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	
		70	UC	XC	0.66	39.3	32.8	28.1	24.6	21.8	19.7	17.9	16.4	15.1	14.0	13.1	12.3	11.6	10.9	9.8	
		80	XC	VC	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	
		90	XC^	VC^	0.75	44.6	37.1	31.8	27.9	24.8	22.3	20.3	18.6	17.1	15.9	14.9	13.9	13.1	12.4	11.1	
		100			0.79	47.0	39.2	33.6	29.4	26.1	23.5	21.4	19.6	18.1	16.8	15.7	14.7	13.8	13.1	11.7	
120			0.87	51.5	42.9	36.8	32.2	28.6	25.7	23.4	21.4	19.8	18.4	17.2	16.1	15.1	14.3	12.9			
 (Use 24 mesh)		30	UC	UC	0.52	30.9	25.7	22.1	19.3	17.2	15.4	14.0	12.9	11.9	11.0	10.3	9.6	9.1	8.6	7.7	
		40	UC	UC	0.60	35.7	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	
		50	UC	UC	0.67	39.9	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	
		60	UC	XC	0.74	43.7	36.4	31.2	27.3	24.3	21.8	19.8	18.2	16.8	15.6	14.6	13.6	12.8	12.1	10.9	
		70	UC	XC	0.79	47.2	39.3	33.7	29.5	26.2	23.6	21.4	19.7	18.1	16.8	15.7	14.7	13.9	13.1	11.8	
		80	UC	XC	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	
		90	UC	XC^	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	
		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	
120			1.06	61.8	51.5	44.1	38.6	34.3	30.9	28.1	25.7	23.8	22.1	20.6	19.3	18.2	17.2	15.4			

ASABE droplet size based on University of Nebraska-Lincoln wind tunnel testing. All models also available with ceramic orifice (example part number: TDCXL11002-D/TACDF02-D). ^Estimated.