



TurboDrop DualFan Nozzle for Multiple Applications



The TurboDrop DualFan (TADF) can be used in a variety of applications, from burndown with glyphosate to contact herbicides like Ignite.

At 30-70 psi, most sizes of the TurboDrop DualFan will deliver the optimal droplet size for glyphosate, with excellent drift control.

At 60 or 70 psi up to 120 psi, with sizes 03 to 08, the droplet size is ideal for Ignite.

By creating the proper droplet size at high pressure, the TurboDrop DualFan provides the velocity required to deliver the air-filled droplets deep into the plant canopy, and the backside coverage required for complex targets.

One size TurboDrop DualFan will fit a variety of applications.

For example, the 04 TurboDrop DualFan will deliver glyphosate at 10 gpa at 11-15 mph between 35 and 65 psi.

For 15 gpa contact chemicals, this same nozzle could be operated at 11-13 mph at roughly 80-110 psi.

Sprayer speed could be reduced a couple of miles per hour (9-10 mph) to deliver 20 gpa at 90-110 psi.

The TurboDrop has proven its versatility in the widest variety of applications over the last 15 years.

Greenleaf TurboDrop® Nozzle Tabulations

TURBODROP DUAL FAN NOZZLE	LIQUID PRESSURE PSI	DROPLET SIZE ASAE	NOZZLE CAPACITY GPM	Gallons Per Acre Based on 20" Nozzle Spacing												
				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
TADF01 Glyphosate Contact Chemicals	30	M	0.09	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
	40	M	0.10	4.9	4.2	3.7	3.3	3.0	2.7	2.5	2.3	2.1	2.0	1.9	1.7	1.6
	50	M	0.11	5.5	4.7	4.1	3.7	3.3	3.0	2.8	2.6	2.4	2.2	2.1	2.0	1.8
	60	F	0.12	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
	70	F	0.13	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
	80	F	0.14	7.0	6.0	5.2	4.7	4.2	3.8	3.5	3.2	3.0	2.8	2.6	2.5	2.3
	90	F	0.15	7.4	6.4	5.6	4.9	4.5	4.0	3.7	3.4	3.2	3.0	2.8	2.6	2.5
	100	F	0.16	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
	110	F	0.17	8.2	7.0	6.2	5.5	4.9	4.5	4.1	3.8	3.5	3.3	3.1	2.9	2.7
120	F	0.17	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	
TADF015 Glyphosate Contact Chemicals	30	C M	0.13	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
	40	M	0.15	7.4	6.4	5.6	4.9	4.5	4.0	3.7	3.4	3.2	3.0	2.8	2.6	2.5
	50	M	0.17	8.3	7.1	6.2	5.5	5.0	4.5	4.1	3.8	3.6	3.3	3.1	2.9	2.8
	60	M	0.18	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
	70	M	0.20	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
	80	M F	0.21	10.5	9.0	7.9	7.0	6.3	5.7	5.2	4.8	4.5	4.2	3.9	3.7	3.5
	90	M F	0.22	11.1	9.5	8.3	7.4	6.7	6.1	5.6	5.1	4.8	4.5	4.2	3.9	3.7
	100	F	0.24	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
	110	F	0.25	12.3	10.5	9.2	8.2	7.4	6.7	6.2	5.7	5.3	4.9	4.6	4.3	4.1
120	F	0.26	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	
TADF02 Glyphosate Contact Chemicals	30	C M	0.17	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
	40	C M	0.20	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
	50	C M	0.22	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
	60	M	0.24	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
	70	M	0.26	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
	80	M F	0.28	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
	90	M F	0.30	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
	100	M F	0.32	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
	110	F	0.33	16.4	14.1	12.3	10.9	9.8	8.9	8.2	7.6	7.0	6.6	6.2	5.8	5.5
120	F	0.35	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	
TADF025 Glyphosate Contact Chemicals	30	VC C	0.22	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
	40	C	0.25	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
	50	C M	0.28	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
	60	M	0.31	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
	70	M	0.33	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
	80	M F	0.35	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
	90	M F	0.37	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
	100	M F	0.40	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
	110	F	0.41	20.5	17.6	15.4	13.7	12.3	11.2	10.3	9.5	8.8	8.2	7.7	7.2	6.8
120	F	0.43	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	

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				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
TADF03 Glyphosate Ignite Fungicides Insecticides Defoliant	30	VC C	0.26	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
	40	C	0.30	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
	50	C M	0.34	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
	60	M	0.37	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
	70	M	0.40	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
	80	M F	0.42	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
	90	M F	0.45	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
	100	M F	0.47	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
	120	M F	0.50	24.6	21.1	18.5	16.4	14.8	13.4	12.3	11.4	10.5	9.8	9.2	8.7	8.2
	120	F	0.52	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
TADF04 Glyphosate Ignite Fungicides Insecticides Defoliant	30	VC C	0.35	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
	40	C	0.40	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
	50	C M	0.45	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
	60	M	0.49	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
	70	M	0.53	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
	80	M F	0.57	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
	90	M F	0.60	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
	100	M F	0.63	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
	120	M F	0.66	32.8	28.1	24.6	21.9	19.7	17.9	16.4	15.1	14.1	13.1	12.3	11.6	10.9
	120	M F	0.69	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
TADF05 Glyphosate Ignite Fungicides Insecticides Defoliant	30	VC C	0.43	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
	40	VC C	0.50	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
	50	C M	0.56	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
	60	C M	0.61	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
	70	M	0.66	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
	80	M	0.71	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
	90	M F	0.75	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
	100	M F	0.79	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
	120	M F	0.83	41.1	35.2	30.8	27.4	24.6	22.4	20.5	19.0	17.6	16.4	15.4	14.5	13.7
	120	M F	0.87	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
TADF06 Glyphosate Ignite Fungicides Insecticides Defoliant	30	VC	0.52	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
	40	VC	0.60	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
	50	C	0.67	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
	60	C	0.74	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
	70	M	0.79	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
	80	M	0.85	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
	90	M	0.90	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
	100	M	0.95	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
	120	M	1.00	49.3	42.2	37.0	32.8	29.6	26.9	24.6	22.7	21.1	19.7	18.5	17.4	16.4
	120	M	1.04	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
TADF08 Glyphosate Ignite Fungicides Insecticides Defoliant	30	VC	0.69	34.2	29.3	25.6	22.8	20.5	18.6	17.1	15.8	14.6	13.7	12.8	12.1	11.4
	40	VC	0.80	39.4	33.8	29.6	26.3	23.7	21.5	19.7	18.2	16.9	15.8	14.8	13.9	13.1
	50	C	0.89	44.1	37.8	33.1	29.4	26.5	24.1	22.1	20.4	18.9	17.6	16.5	15.6	14.7
	60	C	0.98	48.3	41.4	36.2	32.2	29.0	26.4	24.2	22.3	20.7	19.3	18.1	17.1	16.1
	70	M	1.05	52.2	44.7	39.1	34.8	31.3	28.5	26.1	24.1	22.4	20.9	19.6	18.4	17.4
	80	M	1.13	55.8	47.8	41.8	37.2	33.5	30.4	27.9	25.7	23.9	22.3	20.9	19.7	18.6
	90	M	1.20	59.2	50.7	44.4	39.4	35.5	32.3	29.6	27.3	25.4	23.7	22.2	20.9	19.7
	100	M	1.26	62.4	53.5	46.8	41.6	37.4	34.0	31.2	28.8	26.7	24.9	23.4	22.0	20.8
	120	M	1.32	65.4	56.1	49.1	43.6	39.2	35.7	32.7	30.2	28.0	26.2	24.5	23.1	21.8
	120	M	1.38	68.3	58.6	51.2	45.5	41.0	37.3	34.2	31.5	29.3	27.3	25.6	24.1	22.8
TADF10 Glyphosate Contact Chemicals	30	XC	0.87	42.8	36.7	32.1	28.6	25.7	23.4	21.4	19.8	18.4	17.1	16.1	15.1	14.3
	40	XC	1.00	49.5	42.4	37.1	33.0	29.7	27.0	24.7	22.8	21.2	19.8	18.5	17.5	16.5
	50	VC	1.12	55.3	47.4	41.5	36.9	33.2	30.2	27.7	25.5	23.7	22.1	20.7	19.5	18.4
	60	VC	1.22	60.6	51.9	45.4	40.4	36.3	33.0	30.3	28.0	26.0	24.2	22.7	21.4	20.2
	70	VC	1.32	65.4	56.1	49.1	43.6	39.3	35.7	32.7	30.2	28.0	26.2	24.5	23.1	21.8
	80	C	1.41	70.0	60.0	52.5	46.6	42.0	38.2	35.0	32.3	30.0	28.0	26.2	24.7	23.3
	90	C	1.50	74.2	63.6	55.6	49.5	44.5	40.5	37.1	34.2	31.8	29.7	27.8	26.2	24.7
	100	M	1.58	78.2	67.0	58.7	52.1	46.9	42.7	39.1	36.1	33.5	31.3	29.3	27.6	26.1
	120	M	1.66	82.0	70.3	61.5	54.7	49.2	44.7	41.0	37.9	35.2	32.8	30.8	29.0	27.3
	120	M	1.73	85.7	73.4	64.3	57.1	51.4	46.7	42.8	39.5	36.7	34.3	32.1	30.2	28.6

Greenleaf Technologies

P.O. Box 1767

Covington Louisiana 70434

1-800-881-4832 fax (985) 898-0336