



## TurboDrop TwinFan Nozzle for Multiple Applications

The TurboDrop TwinFan (TDTF, TDCTF) can be used in a variety of applications, from burndown with glyphosate to contact fungicides for Asian Soybean Rust.



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

At 80-120 psi, the nozzle delivers the Medium to Fine droplets required for Soybean Rust fungicides. By creating the proper droplet size at high pressure, the TurboDrop TwinFan provides the velocity required to deliver the air-filled droplets deep into the plant canopy, where they provide unsurpassed coverage.

One size TurboDrop TwinFan will fit a variety of applications. For example, the 04 TurboDrop TwinFan will deliver Glyphosate at 10 gpa at 11-15 mph between 35 and 65 psi. For 15 gpa fungicides, 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 10 years.

### Greenleaf TurboDrop® Nozzle Tabulations

TURBODROP TWIN 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
<b>Glyphosate</b> <b>TDTF01</b> <b>TDCTF01</b>	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
<b>Rust fungicides</b> <i>(insecticides, etc.)</i>	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
	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
<b>Glyphosate</b> <b>TDTF015</b> <b>TDCTF015</b>	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
<b>Glyphosate</b> <b>TDTF02</b> <b>TDCTF02</b>	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
<b>Rust fungicides</b> <i>(insecticides, etc.)</i>	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
	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
<b>Glyphosate</b> <b>TDTF025</b> <b>TDCTF025</b>	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	
<b>Glyphosate</b>  <b>TDTF03</b> <b>TDCTF03</b>  <b>Rust fungicides</b> (insecticides, etc.)	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	
	110	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	
	<b>Glyphosate</b>  <b>TDTF04</b> <b>TDCTF04</b>  <b>Rust fungicides</b> (insecticides, etc.)	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	
110		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	
<b>Glyphosate</b>  <b>TDTF05</b> <b>TDCTF05</b>  <b>Rust fungicides</b> (insecticides, etc.)		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	
	110	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	
	<b>Glyphosate</b>  <b>TDTF06</b> <b>TDCTF06</b>  <b>Rust fungicides</b> (insecticides, etc.)	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	
110		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	
<b>Glyphosate</b>  <b>TDTF08</b> <b>TDCTF08</b>  <b>Rust fungicides</b> (insecticides, etc.)		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	
	110	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	
	<b>Glyphosate</b>  <b>TDTF10</b> <b>TDCTF10</b>  <b>Rust fungicides</b> (insecticides, etc.)	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	
110		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	

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