Spray Nozzles

	Nozzle Number	Liquid Pressure PSI	Droplet Size	Flow GPM	APPLICATION PER ACRE BASED ON 20" NOZZLE SPACING 5 mph	6 mph	7 mph	8 mph	10 mph	12 mph	14 mph	16 mph	18 mph	20 mph
	TADF015-D TACDF015-D	30		0.13	7.7	6.4	5.5	4.8	3.9	3.2	2.8	2.4	2.1	1.9
		40		0.15	8.9	7.4	6.4	5.6	4.5	3.7	3.2	2.8	2.5	2.2
		50		0.17	10.0	8.3	7.1	6.2	5.0	4.1	3.6	3.1	2.8	2.5
		60		0.18	10.9	9.1	7.8	6.8	5.5	4.5	3.9	3.4	3.0	2.7
		70		0.20	11.8	9.8	8.4	7.4	5.9	4.9	4.2	3.7	3.3	2.9
		80		0.21	12.6	10.5	9.0	7.9	6.3	5.2	4.5	3.9	3.5	3.1
		90		0.22	13.4	11.1	9.5	8.3	6.7	5.6	4.8	4.2	3.7	3.3
		100		0.24	14.1	11.7	10.1	8.8	7.0	5.9	5.0	4.4	3.9	3.5
		120		0.26	15.4	12.9	11.0	9.6	7.7	6.4	5.5	4.8	4.3	3.9
	TADF02-D TACDF02-D	30	UC	0.17	10.3	8.6	7.3	6.4	5.1	4.3	3.7	3.2	2.9	2.6
		40	XC	0.20	11.9	9.9	8.5	7.4	5.9	4.9	4.2	3.7	3.3	3.0
		50	XC	0.22	13.3	11.1	9.5	8.3	6.6	5.5	4.7	4.1	3.7	3.3
		60	XC	0.24	14.5	12.1	10.4	9.1	7.3	6.1	5.2	4.5	4.0	3.6
		70	VC	0.26	15.7	13.1	11.2	9.8	7.9	6.5	5.6	4.9	4.4	3.9
		80	VC	0.28	16.8	14.0	12.0	10.5	8.4	7.0	6.0	5.2	4.7	4.2
		90	VC	0.30	17.8	14.8	12.7	11.1	8.9	7.4	6.4	5.6	4.9	4.5
		100		0.32	18.8	15.6	13.4	11.7	9.4	7.8	6.7	5.9	5.2	4.7
		120		0.35	20.6	17.1	14.7	12.9	10.3	8.6	7.3	6.4	5.7	5.1
	TADF025-D TACDF025-D	30	UC	0.22	12.9	10.7	9.2	8.0	6.4	5.4	4.6	4.0	3.6	3.2
		40	XC	0.25	14.8	12.4	10.6	9.3	7.4	6.2	5.3	4.6	4.1	3.7
		50	XC	0.28	16.6	13.8	11.9	10.4	8.3	6.9	5.9	5.2	4.6	4.1
		60	XC	0.31	18.2	15.1	13.0	11.4	9.1	7.6	6.5	5.7	5.0	4.5
		70	VC	0.33	19.6	16.4	14.0	12.3	9.8	8.2	7.0	6.1	5.5	4.9
		80	VC	0.35	21.0	17.5	15.0	13.1	10.5	8.7	7.5	6.6	45.8	5.2
		90	VC	0.37	22.3	18.5	15.9	13.9	11.1	9.3	7.9	7.0	46.2	5.6
		100		0.40	23.5	19.6	16.8	14.7	11.7	9.8	8.4	7.3	6.5	5.9
		120		0.43	25.7	21.4	18.4	16.1	12.9	10.7	9.2	8.0	7.1	6.4
	TADF03-D TACDF03-D	30	UC	0.26	15.4	12.9	11.0	9.6	7.7	6.4	5.5	4.8	4.3	3.9
		40	UC	0.30	17.8	14.8	12.7	11.1	8.9	7.4	6.4	5.6	4.9	4.5
		50	XC	0.34	19.9	16.6	14.2	12.4	10.0	8.3	7.1	6.2	5.5	5.0
		60	XC	0.37	21.8	18.2	15.6	13.6	10.9	9.1	7.8	6.8	6.1	5.5
		70	XC	0.40	23.6	19.6	16.8	14.7	11.8	9.8	8.4	7.4	6.5	5.9
		80	VC	0.42	25.2	21.0	18.0	15.7	12.6	10.5	9.0	7.9	7.0	6.3
		90	VC	0.45	26.7	22.3	19.1	16.7	13.4	11.1	9.5	8.3	7.4	6.7
		100		0.47	28.2	23.5	20.1	17.6	14.1	11.7	10.1	8.8	7.8	7.0
	TADF04-D TACDF04-D	30	UC	0.35	20.6	17.1	14.7	12.9	10.3	8.6	7.3	6.4	5.7	5.1
		40	UC	0.40	23.7	19.8	17.0	14.8	11.9	9.9	8.5	7.4	6.6	5.9
		50	XC	0.45	26.5	22.1	19.0	16.6	13.3	11.1	9.5	8.3	7.4	6.6
		60	XC	0.49	29.1	24.2	20.8	18.2	14.5	12.1	10.4	9.1	8.1	7.3
		70	XC	0.53	31.4	26.2	22.4	19.6	15.7	13.1	11.2	9.8	8.7	7.9
		80	XC	0.57	33.6	28.0	24.0	21.0	16.8	14.0	12.0	10.5	9.3	8.4
		90	VC	0.60	35.6	29.7	25.4	22.3	17.8	14.8	12.7	11.1	9.9	8.9
		100		0.63	37.5	31.3	26.8	23.5	18.8	15.6	13.4	11.7	10.4	9.4
		120		0.69	41.1	34.3	29.4	25.7	20.6	17.1	14.7	12.9	11.4	10.3
	TADF05-D TACDF05-D	30	UC	0.43	25.7	21.4	18.4	16.1	12.9	10.7	9.2	8.0	7.1	6.4
		40	UC	0.50	29.7	24.8	21.2	18.6	14.9	12.4	10.6	9.3	8.3	7.4
		50	XC	0.56	33.2	27.7	23.7	20.8	16.6	13.8	11.9	10.4	9.2	8.3
		60	XC	0.61	36.4	30.3	26.0	22.7	18.2	15.2	13.0	11.4	10.1	9.1
		70	XC	0.66	39.3	32.8	28.1	24.6	19.7	16.4	14.0	12.3	10.9	9.8
		80	XC	0.71	42.0	35.0	30.0	26.3	21.0	17.5	15.0	13.1	11.7	10.5
		90	VC	0.75	44.6	37.1	31.8	27.9	22.3	18.6	15.9	13.9	12.4	11.1
		100		0.79	47.0	39.2	33.6	29.4	23.5	19.6	16.8	14.7	13.1	11.7
		120		0.87	51.5	42.9	36.8	32.2	25.7	21.4	18.4	16.1	14.3	12.9
	TADF06-D TACDF06-D	30	UC	0.52	30.9	25.7	22.1	19.3	15.4	12.9	11.1	9.6	8.6	7.7
		40	UC	0.60	35.7	29.7	25.5	22.3	17.8	14.9	12.7	11.1	9.9	8.9
		50	UC	0.67	39.9	33.2	28.5	24.9	19.9	16.6	14.2	12.5	11.1	10.0
		60	XC	0.74	43.7	36.4	31.2	27.3	21.8	18.2	15.6	13.6	12.1	10.9
		70	XC	0.79	47.2	39.3	33.7	29.5	23.6	19.7	16.8	14.7	13.1	11.8
		80	XC	0.85	50.4	42.0	36.0	31.5	25.2	21.0	18.0	15.8	14.0	12.6
		90	XC	0.90	53.5	44.6	38.2	33.4	26.7	22.3	19.1	16.7	14.9	13.4
		100		0.95	56.4	47.0	40.3	35.2	28.2	23.5	20.1	17.6	15.7	14.1
		120		1.06	61.8	51.5	44.1	38.6	30.9	25.7	22.1	19.3	17.2	15.4
	TADF08-D TACDF08-D	30		0.69	41.2	34.3	29.4	25.7	20.6	12.9	14.7	12.9	11.4	10.3
		40		0.80	47.5	39.6	33.9	29.7	23.8	14.9	17.0	14.9	13.2	11.9
		50		0.89	53.1	44.3	37.9	33.2	26.6	16.6	19.0	16.6	14.8	13.3
		60		0.98	58.2	48.5	41.6	36.4	29.1	18.2	20.8	18.2	16.2	14.5
		70		1.06	62.9	52.4	44.9	39.3	31.4	19.6	22.5	19.6	17.5	15.7
		80		1.13	67.2	56.0	48.0	42.0	33.6	21.0	24.0	21.0	18.7	16.8
		90		1.20	71.3	59.4	50.9	44.6	35.6	22.3	25.5	22.3	19.8	17.8
		100		1.26	75.1	62.6	53.7	47.0	37.6	23.5	26.8	23.5	20.9	18.8
		120		1.39	82.3	68.6	58.8	51.4	41.2	25.7	29.4	25.7	22.9	20.6

Tabulation Based on Spraying Water at 70° F.

F = Fine VF = Very Fine M = Medium C = Coarse VC = Very Coarse XC = Extremely Coarse UC = Ultra Coarse

Larger Coarser Droplets Provide Best Drift Control

Medium Pressure TurboDrop® Dual Fan - "D" Dicamba Nozzles

Air Injection to Minimize Drift

- **TurboDrop® Dual Fan-D *(TADF-D)***
- **Coarser Droplets for Chemicals Requiring Maximum Drift Control**

The **D Version of the TurboDrop® Dual Fan Nozzles** *(TADF-D)* were designed with dicamba, 2, 4-D and glyphosate in mind, where a coarser spray droplet is desirable.

The D Nozzles employ proven Turbo-Drop® 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 Dual Fan nozzles, which results in a greater pressure drop and a larger overall droplet size. D Series Nozzles can be converted to standard Dual Fan Nozzles by switching out the pattern tip(s) for smaller ones in order to make the spray less coarse for contact pesticides. Alternating the TADF-D nozzles with the 10° fan forward and then the 10° fan backward on the boom will help counter potential loss of coverage by effectively spraying the target four times.

The Ceramic Wear Insert Versions *(TACDF-D)* are generally good for 50,000 to 80,000 acres vs. 20,000 to 30,000 acres for the standard polyacetal versions *(TDXL & TDTF)*.

Note: Rotate every other nozzle (10° forward then 10° backward) along boom for best coverage.

TADF-D / TACDF-D
Dual Fan Nozzle
(10° Forward & 50° Rearward)
40 - 80 PSI Range Best
110° Wide

TDXLV/TDVC
TurboDrop®
Venturi Included with Nozzle
(Internal portion of Nozzle)

Pressure Range: 30 to 120 PSI *(30 to 150, Ceramic)*

Suggested Spray Height: 18" to 36" *(on 20" centers)*

Material of Construction: **TADF-D :** Polyacetal & EPDM Gasket
TACDF-D: Polyacetal, Ceramic Wear Insert, EPDM Gasket

Part No.

GT TADF01-D thru TADF10-D — Medium Pressure Dual Fan Nozzle with Gasket.....

GT TACDF01-D thru TACDF10-D — Medium Pressure Dual Fan Nozzle, Ceramic Wear Insert with Gasket....

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