

Blended Pulse™ DualFan Nozzles for PWM Systems - 20" Spacing Tabulation Chart

The Blended Pulse™ DualFan nozzle is a purpose built non-air injected nozzle for Pulse Width Modulation systems, providing consistent spray patterns and flow rates. This design produces the most effective droplet spectrum of Medium to Coarse to Very Coarse (depending on the nozzle size and pressure), making these nozzles truly general purpose. Lower pressures will be better for burndown applications where drift control is important, and slightly higher pressures will be best for coverage critical applications like contact herbicides, fungicides and insecticides. The dual patterns of the Blended Pulse™ DualFan eliminate any concern about missing the target due to the nozzles being off for a fraction of a second (even at higher speeds). To maximize coverage, BPDF nozzles may be alternated on the boom to provide four angles of spray orientation into the canopy, effectively spraying the target four times in one pass. We recommend keeping the duty cycle between 50 and 100%, and the pressure between 20 and 80 psi, depending on the application.










Pressure Range: 20-80 psi **Recommended Boom Height:** 15-25" (with 20" nozzle spacing)

Materials of Construction: Polyacetal, EPDM

Blended Pulse™ DualFan
Nozzle for PWM



BPDF04
BPDF05
BPDF06
BPDF07
BPDF08
BPDF09
BPDF10
BPDF12

				GALLONS PER ACRE BASED ON 20" NOZZLE SPACING																
	Droplet	PSI	GPM	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
	C	20	0.28	21.0	16.8	14.0	12.0	10.5	9.3	8.4	7.6	7.0	6.5	6.0	5.6	5.3	4.9	4.7	4.4	4.2
	M	30	0.35	25.7	20.6	17.1	14.7	12.9	11.4	10.3	9.4	8.6	7.9	7.3	6.9	6.4	6.1	5.7	5.4	5.1
	M	40	0.40	29.7	23.8	19.8	17.0	14.9	13.2	11.9	10.8	9.9	9.1	8.5	7.9	7.4	7.0	6.6	6.3	5.9
	F	50	0.45	33.2	26.6	22.1	19.0	16.6	14.8	13.3	12.1	11.1	10.2	9.5	8.9	8.3	7.8	7.4	7.0	6.6
	F	60	0.49	36.4	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	7.7	7.3
	F	70	0.53	39.3	31.4	26.2	22.5	19.6	17.5	15.7	14.3	13.1	12.1	11.2	10.5	9.8	9.2	8.7	8.3	7.9
	F	80	0.57	42.0	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	8.8	8.4
	VC	20	0.35	26.3	21.0	17.5	15.0	13.1	11.7	10.5	9.5	8.8	8.1	7.5	7.0	6.6	6.2	5.8	5.5	5.3
	C	30	0.43	32.2	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	6.8	6.4
	C	40	0.50	37.1	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	7.8	7.4
	M	50	0.56	41.5	33.2	27.7	23.7	20.8	18.4	16.6	15.1	13.8	12.8	11.9	11.1	10.4	9.8	9.2	8.7	8.3
	M	60	0.61	45.5	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	9.6	9.1
	F	70	0.66	49.1	39.3	32.7	28.1	24.6	21.8	19.6	17.9	16.4	15.1	14.0	13.0	12.3	11.6	10.9	10.3	9.8
	F	80	0.71	52.5	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	11.1	10.5
	VC	20	0.42	31.5	25.2	21.0	18.0	15.8	14.0	12.6	11.5	10.5	9.7	9.0	8.4	7.9	7.4	7.0	6.6	6.3
	VC	30	0.52	38.6	30.9	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	8.1	7.7
	C	40	0.60	44.6	35.6	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	9.4	8.9
	C	50	0.67	49.8	39.8	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	10.5	10.0
	M	60	0.73	54.6	43.6	36.4	31.2	27.3	24.2	21.8	19.8	18.2	16.8	15.6	14.5	13.6	12.8	12.1	11.5	10.9
	M	70	0.79	58.9	47.1	39.3	33.7	29.5	26.2	23.6	21.4	19.6	18.1	16.8	15.7	14.7	13.9	13.1	12.4	11.8
	M	80	0.85	63.0	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	13.3	12.6
	VC	20	0.49	36.8	29.4	24.5	21.0	18.4	16.3	14.7	13.4	12.3	11.3	10.5	9.8	9.2	8.6	8.2	7.7	7.4
	VC	30	0.61	45.0	36.0	30.0	25.7	22.5	20.0	18.0	16.4	15.0	13.8	12.9	12.0	11.3	10.6	10.0	9.5	9.0
	C	40	0.70	52.0	41.6	34.7	29.7	26.0	23.1	20.8	18.9	17.3	16.0	14.9	13.9	13.0	12.2	11.6	10.9	10.4
	C	50	0.78	58.1	46.5	38.7	33.2	29.1	25.8	23.2	21.1	19.4	17.9	16.6	15.5	14.5	13.7	12.9	12.2	11.6
	M	60	0.86	63.7	50.9	42.4	36.4	31.8	28.3	25.5	23.1	21.2	19.6	18.2	17.0	15.9	15.0	14.1	13.4	12.7
	M	70	0.93	68.8	55.0	45.8	39.3	34.4	30.6	27.5	25.0	22.9	21.2	19.6	18.3	17.2	16.2	15.3	14.5	13.8
	M	80	0.99	73.5	58.8	49.0	42.0	36.8	32.7	29.4	26.7	24.5	22.6	21.0	19.6	18.4	17.3	16.3	15.5	14.7
	VC	20	0.57	42.0	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	8.8	8.4
	VC	30	0.69	51.4	41.2	34.3	29.4	25.7	22.9	20.6	18.7	17.1	15.8	14.7	13.7	12.9	12.1	11.4	10.8	10.3
	C	40	0.80	59.4	47.5	39.6	33.9	29.7	26.4	23.8	21.6	19.8	18.3	17.0	15.8	14.9	14.0	13.2	12.5	11.9
	C	50	0.89	66.4	53.1	44.3	37.9	33.2	29.5	26.6	24.1	22.1	20.4	19.0	17.7	16.6	15.6	14.8	14.0	13.3
	M	60	0.98	72.7	58.2	48.5	41.6	36.4	32.3	29.1	26.5	24.2	22.4	20.8	19.4	18.2	17.1	16.2	15.3	14.5
	M	70	1.06	78.6	62.9	52.4	44.9	39.3	34.9	31.4	28.6	26.2	24.2	22.5	21.0	19.6	18.5	17.5	16.5	15.7
	M	80	1.13	84.0	67.2	56.0	48.0	42.0	37.3	33.6	30.5	28.0	25.8	24.0	22.4	21.0	19.8	18.7	17.7	16.8
	VC	20	0.64	47.3	37.8	31.5	27.0	23.6	21.0	18.9	17.2	15.8	14.5	13.5	12.6	11.8	11.1	10.5	9.9	9.5
	VC	30	0.78	57.9	46.3	38.6	33.1	28.9	25.7	23.1	21.0	19.3	17.8	16.5	15.4	14.5	13.6	12.9	12.2	11.6
	C	40	0.90	66.8	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	14.1	13.4
	C	50	1.01	74.7	59.8	49.8	42.7	37.4	33.2	29.9	27.2	24.9	23.0	21.3	19.9	18.7	17.6	16.6	15.7	14.9
	M	60	1.10	81.8	65.5	54.6	46.8	40.9	36.4	32.7	29.8	27.3	25.2	23.4	21.8	20.5	19.3	18.2	17.2	16.4
	M	70	1.19	88.4	70.7	58.9	50.5	44.2	39.3	35.4	32.1	29.5	27.2	25.3	23.6	22.1	20.8	19.6	18.6	17.7
	M	80	1.27	94.5	75.6	63.0	54.0	47.3	42.0	37.8	34.4	31.5	29.1	27.0	25.2	23.6	22.2	21.0	19.9	18.9
	VC	20	0.71	52.5	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	11.1	10.5
	VC	30	0.87	64.3	51.4	42.9	36.7	32.2	28.6	25.7	23.4	21.4	19.8	18.4	17.1	16.1	15.1	14.3	13.5	12.9
	C	40	1.00	74.3	59.4	49.5	42.4	37.1	33.0	29.7	27.0	24.8	22.8	21.2	19.8	18.6	17.5	16.5	15.6	14.9
	C	50	1.12	83.0	66.4	55.3	47.4	41.5	36.9	33.2	30.2	27.7	25.5	23.7	22.1	20.8	19.5	18.4	17.5	16.6
	M	60	1.22	90.9	72.7	60.6	52.0	45.5	40.4	36.4	33.1	30.3	28.0	26.0	24.2	22.7	21.4	20.2	19.1	18.2
	M	70	1.32	98.2	78.6	65.5	56.1	49.1	43.7	39.3	35.7	32.7	30.2	28.1	26.2	24.6	23.1	21.8	20.7	19.6
	M	80	1.41	105.0	84.0	70.0	60.0	52.5	46.7	42.0	38.2	35.0	32.3	30.0	28.0	26.3	24.7	23.3	22.1	21.0
	XC	20	0.85	63.0	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	13.3	12.6
	VC	30	1.04	77.2	61.7	51.4	44.1	38.6	34.3	30.9	28.1	25.7	23.7	22.0	20.6	19.3	18.2	17.1	16.2	15.4
	C	40	1.20	89.1	71.3	59.4	50.9	44.6	39.6	35.6	32.4	29.7	27.4	25.5	23.8	22.3	21.0	19.8	18.8	17.8
	C	50	1.34	99.6	79.7	66.4	56.9	49.8	44.3	39.8	36.2	33.2	30.7	28.5	26.6	24.9	23.4	22.1	21.0	19.9
	M	60	1.47	109.1	87.3	72.7	62.4	54.6	48.5	43.6	39.7	36.4	33.6	31.2	29.1	27.3	25.7	24.2	23.0	21.8
	M	70	1.59	117.9	94.3	78.6	67.4	58.9	52.4	47.1	42.9	39.3	36.3	33.7	31.4	29.5	27.7	26.2	24.8	23.6
	M	80	1.70	126.0	100.8	84.0	72.0	63.0	56.0	50.4	45.8	42.0	38.8	36.0	33.6	31.5	29.6	28.0	26.5	25.2

Blended Pulse™ is a trademark of
and used with permission of
Capstan Ag Systems, Inc.