










Blended Pulse™ DualFan Nozzles for PWM Systems - 20 Inch Spacing

Blended Pulse™ DualFan nozzles use the same asymmetric DualFan spray pattern as the proven TurboDrop Asymmetric DualFan (TADF) nozzle, bringing the best combination of drift control and coverage to PWM applications without the use of air-injection. The BPDF is truly a multi-purpose nozzle, producing a Very Coarse to Coarse droplet spectrum at lower pressure for drift control in burndown applications, and Coarse to Medium Droplets at higher pressure, perfect for coverage critical applications like contact herbicides, fungicides, insecticides and more. The DualFan spray pattern relieves coverage concerns associated with PWM nozzles pulsing on and off. As with the popular TADF nozzle, farmers can maximize coverage by alternating BPDF nozzles on the boom to provide four angles of spray into the canopy, effectively spraying the target four times in one pass.

110° flat fan Blended Pulse™ Nozzle can be used stand alone for lower rates, where a Very Coarse to Medium spray quality is desired. It can also be used in combination with a BPDF in PWM systems with two solenoids per nozzle body to expand the optimal operating range. For example, when pairing a BPDF06 with a BP03, the 03 can operate at lower speeds and application rates, the 06 can be used when speeds/rates pick up, and finally both can be combined to reach an 09 size for the highest speeds and application rates.

Pressure Range: 15-90 psi **Recommended Boom Height:** 15-25"
Mesh BPDF: 50M for 03 - 07, 24M for 08 and larger **Mesh BP:** 50M for 03, 24M for 04 and larger

	Gauge (PSI)	Nozzle (PSI)	BPDF	Drift %	BP	Drift %	7.5 GPA				10 GPA				12.5 GPA				15 GPA				20 GPA				25 GPA							
							Min		Max		Min		Max		Min		Max		Min		Max		Min		Max		Min		Max		Min		Max	
							25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%
	20	20			C	2.0	1	3	4	6	1	2	3	4	1	2	2	3	1	1	2	3	1	1	2	2	0	1	1	2				
	30	30			M	1.4	2	3	5	7	1	3	4	5	1	2	3	4	1	2	3	3	1	1	2	3	1	1	1	2				
	40	40			M	6.8	2	4	6	8	1	3	4	6	1	2	4	5	1	2	3	4	1	1	2	3	1	1	1	2				
	50	50			M	8.5	2	4	7	9	2	3	5	7	1	3	4	5	1	2	3	4	1	2	2	3	1	1	1	2				
	60	59			M	9.5	2	5	7	10	2	4	5	7	1	3	4	6	1	2	4	5	1	2	3	4	1	1	1	2				
70	69			M	10.9	3	5	8	10	2	4	6	8	2	3	5	6	1	2	4	5	1	2	3	4	1	1	2	2					
	20	20			C	1.5	2	4	5	7	1	3	4	5	1	2	3	4	1	2	3	4	1	1	2	3	1	1	1	2				
	30	30			M	2.9	2	4	7	9	2	3	5	7	1	3	4	5	1	2	3	4	1	2	3	3	1	1	1	2				
	40	40			M	7.7	3	5	8	10	2	4	6	8	2	3	5	6	1	2	4	5	1	2	3	4	1	2	2	3				
	50	49			M	10.2	3	6	9	11	2	4	6	9	2	3	5	7	1	3	4	6	1	2	3	4	1	2	3	3				
	60	59			M	11.8	3	6	9	13	2	5	7	9	2	4	6	8	2	3	5	6	1	2	4	5	1	2	3	4				
70	69			M	13.3	3	7	10	14	3	5	8	10	2	4	6	8	2	3	5	7	1	3	4	5	1	2	3	4					
	20	20	C	2.0	VC	1.4	2	4	6	8	2	3	5	6	1	2	4	5	1	2	3	4	1	2	2	3	1	1	1	2				
	30	30	M	4.1	C	2.7	3	5	8	10	2	4	6	8	2	3	5	6	1	3	4	5	1	2	3	4	1	2	2	3				
	40	39	M	6.6	C	3.9	3	6	9	12	2	4	7	9	2	4	5	7	1	3	4	6	1	2	3	4	1	2	3	4				
	50	49	M	8.4	C	5.3	3	7	10	13	2	5	7	10	2	4	6	8	2	3	5	7	1	2	4	5	1	2	3	4				
	60	59	M	9.5	M	6.5	4	7	11	14	3	5	8	11	2	4	6	9	2	4	5	7	1	3	4	5	1	2	3	4				
70	69	M	10.9	M	7.4	4	8	12	15	3	6	9	12	2	5	7	9	2	4	6	8	1	3	4	6	1	2	3	5					
	20	19	C	1.4	VC	1.0	3	5	8	11	2	4	6	8	2	3	5	7	1	3	4	5	1	2	3	4	1	2	2	3				
	30	29	M	2.4	VC	2.1	3	7	10	13	3	5	8	10	2	4	6	8	2	3	5	7	1	3	4	5	1	2	3	4				
	40	39	M	7.2	VC	3.1	4	8	12	15	3	6	9	12	2	5	7	9	2	4	6	8	1	3	4	6	1	2	3	5				
	50	49	M	10.2	C	4.0	4	9	13	17	3	6	10	13	3	5	8	10	2	4	6	9	2	3	5	6	1	3	4	5				
	60	58	M	11.7	C	4.9	5	9	14	19	4	7	11	14	3	6	8	11	2	5	7	9	2	4	5	7	1	3	4	6				
70	68	M	13.2	C	5.8	5	10	15	20	4	8	11	15	3	6	9	12	3	5	8	10	2	4	6	8	2	3	5	6					
	20	19	VC	1.6	XC	0.7	3	7	10	13	3	5	8	10	2	4	6	8	2	3	5	7	1	3	4	5	1	2	3	4				
	30	29	C	3.1	VC	1.3	4	8	12	16	3	6	9	12	2	5	7	10	2	4	6	8	2	3	5	6	1	2	4	5				
	40	38	C	4.3	VC	2.0	5	9	14	19	4	7	11	14	3	6	9	11	2	5	7	9	2	4	5	7	1	3	4	6				
	50	48	M	5.7	VC	2.8	5	11	16	21	4	8	12	16	3	6	10	13	3	5	8	11	2	4	6	8	2	3	5	6				
	60	58	M	6.8	C	3.5	6	12	17	23	4	9	13	17	3	7	10	14	3	6	9	12	2	4	7	9	2	3	5	7				
70	67	M	7.7	C	4.1	6	13	19	25	5	9	14	19	4	8	11	15	3	6	9	13	2	5	7	9	2	4	6	8					
	20	19	VC	1.2	XC	0.6	4	8	12	16	3	6	9	12	2	5	7	9	2	4	6	8	1	3	4	6	1	2	4	5				
	30	28	C	2.5	VC	1.1	5	10	15	19	4	7	11	15	3	6	9	12	2	5	7	10	2	4	5	7	1	3	4	6				
	40	38	C	3.8	VC	1.8	6	11	17	22	4	8	13	17	3	7	10	13	3	6	8	11	2	4	6	8	2	3	5	7				
	50	47	C	5.0	VC	2.5	6	13	19	25	5	9	14	19	4	8	11	15	3	6	9	13	2	5	7	9	2	4	6	8				
	60	56	M	6.1	C	3.2	7	14	21	27	5	10	15	21	4	8	12	16	3	7	10	14	3	5	8	10	2	4	6	8				
70	66	M	7.2	C	4.0	7	15	22	30	6	11	17	22	4	9	13	18	4	7	11	15	3	6	8	11	2	4	7	9					
	20	18	XC	0.8			5	9	14	18	3	7	10	14	3	5	8	11	2	5	7	9	2	3	5	7	1	3	4	5				
	30	28	VC	1.7			6	11	17	22	4	8	12	17	3	7	10	13	3	6	8	11	2	4	6	8	2	3	5	7				
	40	37	VC	2.7			6	13	19	26	5	10	14	19	4	8	11	15	3	6	10	13	2	5	7	10	2	4	6	8				
	50	46	C	3.5			7	14	21	29	5	11	16	21	4	9	13	17	4	7	11	14	3	5	8	11	2	4	6	9				
	60	55	C	4.3			8	16	23	31	6	12	18	23	5	9	14	19	4	8	12	16	3	6	9	12	2	5	7	9				
70	65	M	5.0			8	17	25	34	6	13	19	25	5	10	15	20	4	8	13	17	3	6	10	13	3	5	8	10					
	20	18	XC	0.9			5	10	15	20	4	8	11	15	3	6	9	12	3	5	8	10	2	4	6	8	2	3	5	6				
	30	27	VC	1.9			6	12	19	25	5	9	14	19	4	7	11	15	3	6	9	12	2	5	7	9	2	4	6	7				
	40	36	VC	2.8			7	14	21	29	5	11	16	21	4	9	13	17	4	7	11	14	3	5	8	11	2	4	6	9				
	50	45	C	3.6			8	16	24	32	6	12	18	24	5	10	14	19	4	8	12	16	3	6	9	12	2	5	7	10				
	60	54	C	4.5			9	17	26	35	7	13	20	26	5	10	16	21	4	9	13	17	3	7	10	13	3	5	8	10				
70	63	C	5.4			9	19	28	38	7	14	21	28	6	11	17	23	5	9	14	19	4	7	11	14	3	6	8	11					
	20	18	XC	0.7			6	11	17	22	4	8	12	17	3	7	10	13	3	6	8	11	2	4	6	8	2	3	5	7				
	30	26	VC	1.3			7	14	20	27	5	10	15	20	4	8	12	16	3	7	10	14	3	5	8	10	2	4	6	8				
	40	35	VC	1.9			8	16	23	31	6	12	18	23	5	9	14	19	4	8	12	16	3	6	9	12	2	5	7	10				
	50	44	VC	2.5			9	17	26	35	7	13	20	26	5	10	16	21	4	9	13	17	3	7	10	13	3	5	8	11				
	60	53	C	3.3			10	19	29	38																								