

SoftDrop Nozzles for PWM Systems - 20" Spacing

The SoftDrop nozzle is a non-air inducted spray nozzle designed to produce Extremely Coarse and Ultra Coarse droplets for maximum drift control with dicamba, 2,4-D, glyphosate, and other systemic products applied by PWM equipped spray rigs. The SoftDrop is also excellent for liquid fertilizers and mixtures of liquid fertilizers and systemic herbicides. This nozzle can also be used without a PWM system, and will function well as a conventional nozzle.

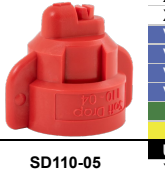
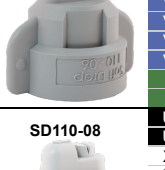
Approved nozzles, pressures, and application rates change often for auxin herbicides. All approved nozzles are listed on the herbicide manufacturer's label. Be sure to read the application guidelines and know the laws in your state before spraying.

Pressure Range: 20-120 psi **Recommended Boom Height:** 18-36" (with 20" nozzle spacing)

Mesh: 50M for 04 - 05, 24M for 06 and larger

	Gauge (PSI)	Nozzle (PSI)	SD	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	
					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	19	UC	0.1	3	5	8	11	2	4	6	8	2	3	5	7	1	3	4	5	1	2	3	4	1	2	3	4
	30	29	XC	0.3	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	XC	0.5	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	VC	0.7	4	9	13	17	3	6	10	13	3	5	8	10	2	4	6	8	2	3	5	6	1	3	4	5
	60	58	VC	0.8	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	VC	1.1	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	UC	0.2	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	XC	0.3	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	XC	0.5	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	VC	0.8	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	VC	1.2	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	VC	1.4	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	UC	0.2	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	UC	0.4	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	XC	0.5	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	XC	0.8	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	VC	1.2	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	VC	1.6	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	UC	0.1	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	UC	0.2	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	XC	0.3	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	XC	0.5	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	XC	0.8	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	VC	1.0	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	17	UC	0.0	6	12	18	24	4	9	13	18	4	7	11	14	3	6	9	12	2	4	7	9	2	4	6	7
	30	26	UC	0.1	7	15	22	29	5	11	16	22	4	9	13	18	4	7	11	15	3	5	8	11	2	5	7	9
	40	34	UC	0.3	8	17	25	34	6	13	19	25	5	10	15	20	4	8	13	17	3	6	9	13	3	5	8	11
	50	43	XC	0.4	9	19	28	38	7	14	21	28	6	11	17	23	5	9	14	19	4	7	11	14	3	6	9	12
	60	51	XC	0.6	10	21	31	41	8	16	23	31	6	12	19	25	5	10	16	21	4	8	12	16	3	6	10	13
	70	60	XC	0.7	11	22	33	45	8	17	25	33	7	13	20	27	6	11	17	22	4	8	13	17	3	7	10	14

Valve Speed Range flow chart uses Capstan 24 Series data and is reproduced with permission of Capstan Ag Systems, Inc.

		GALLONS PER ACRE BASED ON 20" NOZZLE SPACING																			
SoftDrop	Droplet	Drift																			
		%	PSI	GPM	4 MPH	5 MPH	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	20 MPH	
	SD110-04	UC	0.1	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	4.2
		XC	0.3	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	5.1
		XC	0.6	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	5.9
		VC	0.7	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	6.6
		VC	0.9	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	7.3
		VC	1.1	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	7.9
		VC	1.3	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	8.4
		C	1.9	100	0.63	47.0	37.6	31.3	26.8	23.5	20.9	18.8	17.1	15.7	14.4	13.4	12.5	11.7	11.0	10.4	9.4
		M	2.6	120	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	10.3
			SD110-05	UC	0.2	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
XC	0.3			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	6.4
XC	0.6			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	7.4
VC	0.9			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	8.3
VC	1.3			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	9.1
VC	1.5			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	13.1	12.3	11.6	10.9	9.8
VC	1.8			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	10.5
C	2.8			100	0.79	58.7	47.0	39.1	33.5	29.3	26.1	23.5	21.3	19.6	18.1	16.8	15.7	14.7	13.8	13.0	11.7
C	3.8			120	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	12.9
	SD110-06			UC	0.2	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
		XC	0.4	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	7.7
		XC	0.6	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	8.9
		VC	1.0	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	10.0
		VC	1.4	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	10.9
		VC	1.8	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	11.8
		VC	2.1	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	12.6
		C	3.3	100	0.95	70.4	56.4	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	14.1
		C	4.7	120	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	15.4
			SD110-08	UC	0.1	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
XC	0.2			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	10.3
XC	0.4			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	11.9
XC	0.7			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	13.3
VC	1.0			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	14.5
VC	1.2			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	15.7
VC	1.7			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	16.8
VC	3.0			100	1.26	93.9	75.1	62.6	53.7	47.0	41.7	37.6	34.2	31.3	28.9	26.8	25.0	23.5	22.1	20.9	18.8
C	3.7			120	1.39	102.9	82.3	68.6	58.8	51.4	45.7	41.2	37.4	34.3	31.7	29.4	27.4	25.7	24.2	22.9	20.6
	SD110-10			UC	0.0	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
		XC	0.2	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	12.9
		XC	0.4	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	14.9
		VC	0.6	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	16.6
		VC	0.7	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	18.2
		VC	0.9	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	19.6
		VC	1.2	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	21.0
		VC	2.0	100	1.58	117.4	93.9	78.3	67.1	58.7	52.2	47.0	42.7	39.1	36.1	33.5	31.3	29.3	27.6	26.1	23.5
		C	3.0	120	1.73	128.6	102.9	85.7	73.5	64.3	57.2	51.4	46.8	42.9	39.6	36.7	34.3	32.2	30.3	28.6	25.7