






SoftDrop Nozzles for PWM Systems - 20" Spacing PWM Tabulation Chart

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 that can produce an Extremely Coarse to Ultra Coarse droplet spectrum.

Approved nozzles, pressures, and application rates change often for auxin herbicides. For updates on Greenleaf Technologies approved nozzles, please visit our website. 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)
Materials of Construction: Polyacetal, EPDM

	Gauge (PSI)	Nozzle (PSI)	SD	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%
 SD110-04	20	19	UC	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	UC	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	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	XC	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	XC	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	XC	5	10	15	20	4	8	11	15	3	6	9	12	3	5	8	10	2	4	6	8	2	3	5	6
 SD110-05	20	19	UC	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	UC	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	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	XC	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	XC	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	XC	6	13	19	25	5	9	14	19	4	8	11	15	3	6	9	13	2	5	7	9	2	4	6	8
 SD110-06	20	19	UC	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	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	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	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	XC	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	XC	7	15	22	30	6	11	17	22	4	9	13	18	4	7	11	15	3	6	8	11	2	4	7	9
 SD110-08	20	18	UC	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	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	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	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	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	XC	9	19	28	38	7	14	21	28	6	11	17	23	5	9	14	19	4	7	11	14	3	6	8	11
 SD110-10	20	17	UC	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	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	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	UC	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	UC	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	UC	11	22	33	45	8	17	25	33	7	13	20	27	6	11	17	22	4	8	13	17	3	7	10	14

PWM charts are very different from traditional flow rate tabulation charts. These charts show a speed range for operating a specific size nozzle at a given pressure. The process to select a nozzle is to start with the application rate needed, move down the 75% duty cycle column, and find a few options for your ideal speed. Look left to see the droplet spectrum ranges offered by the nozzles. Select optimal droplet spectrums for your applications.

Note: Nozzle pressure is different than the boom pressure in PWM systems. There is a pressure drop across the solenoid, and this needs to be considered when selecting a nozzle based on the droplet spectrum. The droplet data on the charts provided here reflect the adjusted droplet spectrum, based on actual nozzle pressure, and not boom pressure. Larger nozzle sizes cause a greater pressure drop, and will require higher boom pressure to compensate.