



## CP-59LS and CP-109LS Low Volume Turbo Floater Nozzles and Combos Spray Classifications

CP Carousel patent #5,884,847 • CP Turbo patent #6,460,783



\*Always read the product label to determine which spray quality is required.

Spray Quality Classification*	VMD
Medium (M)	Between 236-340
Coarse (C)	Between 341-403
Very Coarse (VC)	Between 404-502
Extremely Coarse (XC)	Between 503-665
Ultra Coarse (UC)	Over 665

Micron range from sample reference graph in ASABE Standard S572.1.

Data for CP's Low Volume Sprayer Turbo Nozzles developed by Dr. Womac, Ph.D., P.E., Assoc. Prof., University of Tennessee Institute of Agriculture, Knoxville, TN Nozzle Classification Using ASABE Reference Nozzle Set #3 & #6 (Malvern laser diffraction instrument, still air)

In column 1, the shaded areas indicate alternate Orifice/Tip combinations.

Orifice and Tip #	PSI	GPM	ASABE Classification	VMD Microns
2.5	30	0.43	UC	922
#7.5 TIP	40	0.5	UC	814
	50	0.56	UC	749
	60	0.61	UC	708
5	30	0.87	XC	529
#7.5	40	1.00	VC	489
	50	1.12	VC	459
	60	1.22	C	396
7.5	30	1.30	UC	810
#18	40	1.50	UC	746
	50	1.68	UC	726
	60	1.83	UC	685
7.5	30	0.94	C	349
#7.5	40	1.09	M	326
	50	1.22	M	312
	60	1.31	M	295
10	30	1.73	UC	717
#18	40	2.00	UC	668
	50	2.24	XC	646
	60	2.45	XC	634
10	30	1.25	M	321
#7.5	40	1.45	M	308
	50	1.62	M	288
	60	1.78	M	285
15	30	2.60	XC	619
#18	40	3.00	XC	603
	50	3.35	XC	594
	60	3.67	XC	581
15	30	1.27	M	283
#7.5	40	1.47	M	273
	50	1.65	M	269
	60	1.80	M	277
20	30	3.46	XC	659
#35	40	4.00	XC	638
	50	4.47	XC	637
	60	4.90	XC	616
20	30	2.56	XC	542
#18	40	2.98	VC	462
	50	3.33	VC	456
	60	3.65	VC	443
24	30	4.16	XC	645
#35	40	4.80	XC	615
	50	5.37	XC	602
	60	5.88	XC	584
24	30	2.85	VC	481
#18	40	3.31	VC	449
	50	3.70	VC	433
	60	4.05	C	388
30	30	5.20	XC	607
#35	40	6.00	XC	591
	50	6.71	XC	575
	60	7.35	XC	560
30	30	2.99	VC	437
#18	40	3.47	C	402
	50	3.88	C	381
	60	4.25	C	360