



CP-59HV and CP-109HV High Volume  
Turbo Floater Nozzles and Combos  
Spray Classifications



\*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
	30	0.87	UC	795
5	40	1.00	UC	749
#12	50	1.12	XC	662
	60	1.22	XC	653
	30	1.73	XC	530
10	40	2.00	XC	503
#12	50	2.24	VC	491
	60	2.45	VC	468
	30	2.60	UC	768
15	40	3.00	UC	691
#35	50	3.35	XC	629
	60	3.67	XC	593
	30	1.69	VC	449
15	40	1.97	VC	418
#12	50	2.20	VC	413
	60	2.41	C	397
	30	3.46	XC	651
20	40	4.00	XC	607
#35	50	4.47	XC	600
	60	4.90	XC	563
	30	1.89	VC	425
20	40	2.20	C	394
#12	50	2.46	C	372
	60	2.69	C	359
	30	5.20	XC	560
30	40	6.00	XC	552
#35	50	6.71	XC	521
	60	7.35	VC	500
	30	2.09	C	367
30	40	2.43	C	354
#12	50	2.72	C	346
	60	2.98	M	340
	30	6.93	XC	637
40	40	8.00	XC	577
#60	50	8.94	XC	529
	60	9.80	VC	499
	30	5.28	VC	405
40	40	6.13	C	373
#35	50	6.86	C	361
	60	7.51	C	354
	30	8.66	XC	583
50	40	10.00	XC	516
#60	50	11.18	VC	485
	60	12.25	VC	471
	30	5.77	C	366
50	40	6.71	C	360
#35	50	7.50	C	358
	60	8.22	C	355
	30	10.39	XC	517
60	40	12.00	VC	480
#60	50	13.42	VC	430
	60	14.70	C	381
	30	6.07	C	361
60	40	7.06	C	356
#35	50	7.90	C	356
	60	8.65	C	353