



# CP-55R3 & CP-102R3 Gallons Per Acre

Orifice	PSI	GPM	30" Spacing						40" Spacing						60" Spacing					
			6mph	8mph	10mph	14mph	18mph	20mph	6mph	8mph	10mph	14mph	18mph	20mph	6mph	8mph	10mph	14mph	18mph	20mph
5	30	0.87	28.58	21.43	17.15	12.25	9.53	8.57	21.43	16.08	12.86	9.19	7.14	6.43	14.29	10.72	8.57	6.12	4.76	4.29
	40	1.00	33.00	24.75	19.80	14.14	11.00	9.90	24.75	18.56	14.85	10.61	8.25	7.43	16.50	12.38	9.90	7.07	5.50	4.95
	50	1.12	36.90	27.67	22.14	15.81	12.30	11.07	27.67	20.75	16.60	11.86	9.22	8.30	18.45	13.84	11.07	7.91	6.15	5.53
10	30	1.73	57.16	42.87	34.29	24.50	19.05	17.15	42.87	32.15	25.72	18.37	14.29	12.86	28.58	21.43	17.15	12.25	9.53	8.57
	40	2.00	66.00	49.50	39.60	28.29	22.00	19.80	49.50	37.13	29.70	21.21	16.50	14.85	33.00	24.75	19.80	14.14	11.00	9.90
	50	2.24	73.79	55.34	44.27	31.62	24.60	22.14	55.34	41.51	33.21	23.72	18.45	16.60	36.90	27.67	22.14	15.81	12.30	11.07
15	30	2.60	85.74	64.30	51.44	36.74	28.58	25.72	64.30	48.23	38.58	27.56	21.43	19.29	42.87	32.15	25.72	18.37	14.29	12.86
	40	3.00	99.00	74.25	59.40	42.43	33.00	29.70	74.25	55.69	44.55	31.82	24.75	22.28	49.50	37.13	29.70	21.21	16.50	14.85
	50	3.35	110.69	83.01	66.41	47.44	36.90	33.21	83.01	62.26	49.81	35.58	27.67	24.90	55.34	41.51	33.21	23.72	18.45	16.60
20	30	3.46	114.32	85.74	68.59	48.99	38.11	34.29	85.74	64.30	51.44	36.74	28.58	25.72	57.16	42.87	34.29	24.50	19.05	17.15
	40	4.00	132.00	99.00	79.20	56.57	44.00	39.60	99.00	74.25	59.40	42.43	33.00	29.70	66.00	49.50	39.60	28.29	22.00	19.80
	50	4.47	147.58	110.69	88.55	63.25	49.19	44.27	110.69	83.01	66.41	47.44	36.90	33.21	73.79	55.34	44.27	31.62	24.60	22.14
30	30	5.20	171.47	128.60	102.88	73.49	57.16	51.44	128.60	96.45	77.16	55.12	42.87	38.58	85.74	64.30	51.44	36.74	28.58	25.72
	40	6.00	198.00	148.50	118.80	84.86	66.00	59.40	148.50	111.38	89.10	63.64	49.50	44.55	99.00	74.25	59.40	42.43	33.00	29.70
	50	6.71	221.37	166.03	132.82	98.87	73.79	66.41	166.03	124.52	99.62	71.16	55.34	49.81	110.69	83.01	66.41	47.44	36.90	33.21
40	30	6.93	228.63	171.47	137.18	97.98	76.21	68.59	171.47	128.60	102.88	73.49	57.16	51.44	114.32	85.74	68.59	48.99	38.11	34.29
	40	8.00	264.00	198.00	158.40	113.14	88.00	79.20	198.00	148.50	118.80	84.86	66.00	59.40	132.00	99.00	79.20	56.57	44.00	39.60
	50	8.94	295.16	221.37	177.10	126.50	98.39	88.55	221.37	166.03	132.82	94.87	73.79	66.41	147.58	110.69	88.55	63.25	49.19	44.27
50	30	8.66	285.79	214.34	171.47	122.48	95.26	85.74	214.34	160.76	128.60	91.86	71.45	64.30	142.89	107.17	85.74	61.24	47.63	42.87
	40	10.00	330.00	247.50	198.00	141.43	110.00	99.00	247.50	185.63	148.50	106.07	82.50	74.25	165.00	123.75	99.00	70.71	55.00	49.50
	50	11.18	368.95	276.72	221.37	158.12	122.98	110.69	276.72	207.54	166.03	118.59	92.24	83.01	184.48	138.36	110.69	79.06	61.49	55.34
60	30	10.39	342.95	257.21	205.77	146.98	114.32	102.88	257.21	192.91	154.33	110.23	85.74	77.16	205.77	154.33	123.46	88.19	68.59	61.73
	40	12.00	396.00	297.00	237.60	169.71	132.00	118.80	297.00	222.75	178.20	127.29	99.00	89.10	198.00	148.50	118.80	84.86	66.00	59.40
	50	13.42	442.75	332.06	265.65	189.75	147.58	132.82	332.06	249.04	199.24	142.31	110.69	99.62	221.37	166.03	132.82	94.87	73.79	66.41

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

This chart uses the ASABE S572.1 Standard.

Data for CPs Floater Turbo 3-Way Nozzles developed by Dr. Womac, Ph.D., P.E., Assoc. Prof, University of Tennessee Institute of Agriculture, Knoxville, TN (Malvern laser diffraction instrument, still air)

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