

# Standard Nozzle Application Chart

HOW TO USE THESE CHARTS: Find desired gallons per acre in the shaded area.

Find MPH directly above. Move left from gallons per acre to find correct nozzle

MODEL 125 1/4" Standard Pipe Thread	PSI	GPM	DIST. IN FT	EFF. DIST.	NOZZLE ANGLE	SPEED IN MILES PER HOUR															
						1	2	3	4	5	6	7									
	20	1.4	17	15.5	LEVEL	44	23	14	10	9	7										
	30	1.7	17	15.5	LEVEL	54	27	18	13	11	9	7.8									
40	2.0	17	15.5	LEVEL	64	32	21	16	13	11	9.1										
						GALLONS PER ACRE (Water used for all calculations)															
MODEL 140 1/4" Standard Pipe Thread	PSI	GPM	DIST. IN FT	EFF. DIST.	NOZZLE ANGLE	SPEED IN MILES PER HOUR															
						2	3	4	5	6	7	8	9	10	11	12	13	14	15		
	30	2.0	18	16.5	LEVEL	30	20	15	12	10	8.5	7.5	6.7	6	5.5	5	4.6	4.3	4		
	40	2.4	18	16.5	LEVEL	36	24	18	14	12	10	9	8	7	6.5	6	5.5	5.1	4.8		
50	2.7	18	16.5	LEVEL	41	27	20	16	14	12	10	9	8	7.4	6.8	6.2	5.8	5.4			
						GALLONS PER ACRE (Water used for all calculations)															
MODEL 187 3/8" Standard Pipe Thread	PSI	GPM	DIST. IN FT	EFF. DIST.	NOZZLE ANGLE	SPEED IN MILES PER HOUR															
						2	3	4	5	6	7	8	9	10	11	12	13	14	15		
	30	3.6	20	18.5	LEVEL	48	32	24	19	16	14	12	11	9.6	8.8	8	7.4	6.9	6.4		
	40	4.3	20	18.5	LEVEL	58	38	29	23	19	16	14	13	12	11	9.6	8.9	8.2	7.7		
50	4.8	20	18.5	LEVEL	64	43	32	26	21	18	16	14	13	12	11	10	9.2	8.6			
						GALLONS PER ACRE (Water used for all calculations)															
MODEL 265 1/2" Standard Pipe Thread	PSI	GPM	DIST. IN FT	EFF. DIST.	NOZZLE ANGLE	SPEED IN MILES PER HOUR															
						2	3	4	5	6	7	8	9	10	11	12	13	14	15		
	30	6.8	21	19.5	LEVEL	86	58	43	35	29	25	22	19	17	16	14	13	12	11		
	40	8.0	21	19.5	LEVEL	102	68	51	41	34	29	25	23	20	18	17	15	14	13		
50	8.8	21	19.5	LEVEL	112	75	56	45	37	32	28	25	22	20	19	17	16	15			
						GALLONS PER ACRE (Water used for all calculations)															
MODEL 375 3/4" Standard Pipe Thread	PSI	GPM	DIST. IN FT	EFF. DIST.	NOZZLE ANGLE	SPEED IN MILES PER HOUR															
						2	3	4	5	6	7	8	9	10	11	12	13	14	15		
	30	14.4	23	21.5	LEVEL	166	111	83	66	55	47	41	37	33	30	28	26	24	22		
	40	16.7	23	21.5	LEVEL	193	128	96	77	64	55	48	43	38	35	32	30	27	26		
50	18.8	23	21.5	LEVEL	216	144	108	87	72	62	54	48	43	39	36	33	31	29			
						GALLONS PER ACRE (Water used for all calculations)															
MODEL 437 3/4" Standard Pipe Thread	PSI	GPM	DIST. IN FT	EFF. DIST.	NOZZLE ANGLE	SPEED IN MILES PER HOUR															
						2	3	4	5	6	7	8	9	10	11	12	13	14	15		
	30	18.5	31	29.5	UP	155	103	78	62	52	44	39	34	31	28	26	24	22	21		
	40	21.5	31	29.5	UP	180	120	90	72	60	52	45	40	36	33	30	28	26	24		
50	24.2	31	29.5	UP	203	135	102	81	68	58	51	45	41	37	34	31	29	27			
						GALLONS PER ACRE (Water used for all calculations)															
MODEL 500 1" Standard Pipe Thread	PSI	GPM	DIST. IN FT	EFF. DIST.	NOZZLE ANGLE	SPEED IN MILES PER HOUR															
						4	6	8	10	12	14	16	18	20	22	24	26	28	30		
	30	29	21.5	20	LEVEL	179	120	90	72	60	51	45	40	36	33	30	28	26	24		
	40	33	21.5	20	LEVEL	204	136	102	82	68	58	51	45	41	37	34	31	29	27		
50	37	21.5	20	LEVEL	229	153	114	91	76	65	57	51	46	41	38	35	33	30			
						GALLONS PER ACRE (Water used for all calculations)															