

# WILGER ORIFICE CHART FOR 30" ROWS

*Application Rate (gpa)  
for Wilger Orifices*

# 30 INCH SPACING

*All application rates (gallons/  
acres) are estimates based  
on 0-28-0 (10.65 lbs/gallon)  
at 70°F.*

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ORIFICE	PSI	MPH						
		4.0	4.5	5	5.5	6	6.5	7
28	5	x	x	x	x	x	x	x
	10	2.20	1.90	1.78	1.60	1.40	1.30	x
	20	3.13	2.70	2.49	2.20	2.04	1.90	1.80
	30	3.75	3.32	3.00	2.72	2.50	2.30	2.13
	40	4.30	3.82	3.50	3.12	2.83	2.65	2.45
	50	4.50	4.00	3.75	3.50	3.20	2.80	2.49

35	5	2.45	2.18	1.96	1.78	1.64	1.51	1.40
	10	3.46	3.08	2.77	2.52	2.31	2.13	1.98
	20	4.86	4.32	3.89	3.54	3.24	2.99	2.78
	30	5.96	5.30	4.77	4.33	3.97	3.67	3.40
	40	6.88	6.11	5.50	5.00	4.58	4.23	3.93
	50	7.71	6.85	6.17	5.61	5.14	4.74	4.41

40	5	3.15	2.80	2.52	2.29	2.10	1.94	1.80
	10	4.47	3.97	3.57	3.25	2.98	2.75	2.55
	20	6.31	5.61	5.05	4.59	4.21	3.88	3.60
	30	7.75	6.89	6.20	5.64	5.17	4.77	4.43
	40	8.94	7.94	7.15	6.50	5.96	5.50	5.11
	50	9.99	8.88	7.99	7.26	6.66	6.15	5.71

46	5	4.16	3.70	3.33	3.03	2.77	2.56	2.38
	10	5.91	5.26	4.73	4.30	3.94	3.64	3.38
	20	8.37	7.44	6.69	6.08	5.58	5.15	4.78
	30	10.25	9.11	8.20	7.45	6.83	6.31	5.86
	40	11.83	10.51	9.46	8.60	7.88	7.28	6.76
	50	13.23	11.76	10.58	9.62	8.62	6.14	7.56

52	5	5.17	4.59	4.14	3.76	3.45	3.18	2.95
	10	7.36	6.54	5.89	5.35	4.91	4.53	4.21
	20	10.38	9.23	8.31	7.55	6.92	6.39	5.93
	30	12.70	11.29	10.16	9.24	8.47	7.82	7.26
	40	14.67	13.04	11.74	10.67	9.78	9.03	8.39
	50	16.43	14.60	13.14	11.95	10.95	10.11	9.39

63	5	7.62	6.78	6.10	5.54	5.08	4.69	4.36
	10	10.78	9.58	8.62	7.84	7.18	6.63	6.16
	20	15.20	13.51	12.16	11.05	10.13	9.35	8.69
	30	18.62	16.55	14.89	13.54	12.41	11.46	10.64
	40	21.51	19.12	17.21	15.64	14.34	13.24	12.29
	50	24.05	21.38	19.24	17.49	16.03	14.80	13.74

78	5	11.92	10.59	9.53	8.67	7.94	7.33	6.81
	10	16.87	14.99	13.49	12.27	11.24	10.38	9.54
	20	23.83	21.18	19.06	17.33	15.89	14.66	13.62
	30	29.22	25.97	23.37	21.25	19.48	17.98	16.70
	40	33.73	29.98	26.98	24.53	22.49	20.76	19.27
	50	37.72	33.53	30.17	27.43	25.14	23.21	21.55

98	5	19.36	17.21	15.49	14.08	12.91	11.92	11.06
	10	27.38	24.34	21.90	19.91	18.25	16.85	15.64
	20	38.72	34.42	30.98	28.16	25.82	23.83	22.13
	30	47.31	42.05	37.85	34.41	31.54	29.11	27.03
	40	54.76	48.67	43.81	39.82	36.50	33.70	31.29
	50	61.33	54.51	49.06	44.60	40.88	37.74	35.04

WHERE TABLES ARE BASED ON 30" NOZZLE SPACING									
OTHER SPACING	26"	28"	32"	34"	36"	38"	40"	42"	44"
CONVERSION FACTOR	1.15	1.07	.94	.88	.83	.79	.75	.71	.68