

INJECTOR ORIFICE CHARTS

5-5-5 OR 11.4 LB/GAL

Pressure Recommendations: (with 5 lb check valves)

- ▶ Electric pumps: 12-30 PSI
- ▶ Hydraulic or piston pumps: 15-60 PSI

Charts are based @ 60°F

- ▶ Cleanliness, viscosity, and temperature affect the flow rate.
 - ▶ Heavier fertilizers will have 5-15% less flow than chart indicates for a certain pressure.
 - ▶ Cold fertilizers will cause system pressure to increase at a given application rate.
 - ▶ The electric pump systems will have reduced flow and increased electrical current draw due to cold fertilizer increasing operating pressure. Use the largest orifice possible for cold weather operation.
 - ▶ **PLEASE NOTE:** We normally recommend using only 1 orifice under pressure when running 7-15 lbs of pressure. However, using 2 orifices under pressure can be beneficial because it will help eliminate fertilizer splatter or misting/volatilization of fertilizer when done in the following manner:
 - Use the correct size orifice above for 15-30 psi pressures
 - Use 2-3 times size orifice below, creating 5-7 lbs pressure to stream fertilizer into the soil
- NEVER USE 2 OF THE SAME SIZE ORIFICES IN YOUR SYSTEM!!**

5-5-5

11.4 lb/gal

GALLONS PER ACRE 30" SPACING

ORIFICE	PSI	5 MPH	6 MPH	7 MPH	8 MPH
001 .026 WHITE	15	2.1	1.7	1.5	1.3
	20	2.4	2.0	1.7	1.5
	30	2.9	2.5	2.1	1.8
	40	3.4	2.8	2.4	2.1
0015 .031 BLACK	15	3.1	2.6	2.2	2.0
	20	4.0	3.0	2.6	2.2
	30	4.4	3.7	3.2	2.7
	40	5.0	4.3	4.0	3.2
002 .036 SILVER	15	4.1	3.4	3.0	2.6
	20	4.8	4.0	3.4	3.0
	30	5.9	4.9	4.2	3.7
	40	6.8	5.6	4.9	4.3
003 .041 NEON ORANGE	15	6.2	5.2	4.4	3.8
	20	7.2	6.0	5.1	4.5
	30	8.8	7.4	6.3	5.5
	40	10.2	8.5	7.3	6.3
004 .047 NEON GREEN	15	8.3	6.9	5.9	5.2
	20	9.6	7.9	6.8	6.0
	30	11.7	9.7	8.4	7.4
	40	13.5	11.3	9.7	8.5
005 .053 GOLD METALLIC	15	10.3	8.6	7.4	6.5
	20	12.0	10.0	8.5	7.5
	30	14.7	12.2	10.5	9.1
	40	16.9	14.1	12.1	10.6
006 .058 PLUM PURPLE	15	12.4	10.3	8.9	7.8
	20	14.4	12.0	10.3	9.0
	30	17.9	14.7	12.6	11.0
	40	21	16.9	14.5	12.7
008 .067 APPLE RED	15	16.6	13.8	11.9	10.3
	20	18.8	16.0	13.7	12.0
	30	23	20	16.8	14.7
	40	27	22	19.7	16.9
010 .073 SKY BLUE	15	21	17.1	14.8	13.0
	20	24	19.7	17.1	15.0
	30	29	25	21	17.9
	40	34	28	24	21
015 .092 BERRY PINK	15	31	26	22	19.7
	20	36	30	26	22
	30	44	37	32	27
	40	50	43	36	32
020 .103 SUN YELLOW	15	41	34	30	26
	20	48	40	34	30
	30	59	49	42	37
	40	68	56	49	42
030 9/64 WALNUT BROWN	15	62	52	44	38
	20	72	60	51	45
	30	88	74	62	55
	40	102	85	73	63
040 5/32 DEEP BLUE	15	83	69	59	52
	20	96	79	68	60
	30	117	97	84	74
	40	135	113	97	85

WHERE TABLES ARE BASED ON 30" NOZZLE SPACING

OTHER SPACING	26"	28"	32"	34"	36"	38"	40"	42"	44"
CONVERSION FACTOR (multiply)	1.15	1.07	.94	.88	.83	.79	.75	.71	.68

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