

INJECTOR ORIFICE CHARTS

28-0-0 OR 10.67 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!!**

28-0-0
10.67 lb/gal

		GALLONS PER ACRE 30" SPACING			
ORIFICE	PSI	5 MPH	6 MPH	7 MPH	8 MPH
001 .026 WHITE	15	2.1	1.8	1.5	1.3
	20	2.5	2.0	1.8	1.6
	30	3.0	2.6	2.2	1.9
	40	3.5	2.9	2.5	2.2
0015 .031 BLACK	15	3.2	2.7	2.3	2.0
	20	4.2	3.1	2.7	2.3
	30	4.5	3.8	3.3	2.8
	40	5.2	4.4	4.2	3.3
002 .036 SILVER	15	4.2	3.5	3.1	2.7
	20	5.0	4.2	3.5	3.1
	30	6.1	5.0	4.3	3.8
	40	7.0	5.8	5.0	4.4
003 .041 NEON ORANGE	15	6.5	5.4	4.6	4.0
	20	7.4	6.2	5.3	4.7
	30	9.1	7.6	6.5	5.7
	40	10.5	8.8	7.5	6.5
004 .047 NEON GREEN	15	8.6	7.2	6.1	5.4
	20	9.9	8.2	7.1	6.2
	30	12.1	10.1	8.7	7.6
	40	14.0	11.7	10.0	8.8
005 .053 GOLD METALLIC	15	10.7	8.9	7.7	6.7
	20	12.4	10.4	8.8	7.8
	30	15.2	12.7	10.9	9.5
	40	17.5	14.6	12.5	11.0
006 .058 PLUM PURPLE	15	12.8	10.7	9.2	8.1
	20	14.9	12.4	10.6	9.3
	30	18.6	15.2	13.0	11.4
	40	21	17.5	15.0	13.2
008 .067 APPLE RED	15	17.2	14.3	12.3	10.7
	20	19.5	16.5	14.2	12.4
	30	24	20	17.3	15.2
	40	28	23	20	17.5
010 .073 SKY BLUE	15	21	17.7	15.3	13.5
	20	25	20	17.7	15.5
	30	30	26	22	18.6
	40	35	29	25	22
015 .092 BERRY PINK	15	32	27	23	20
	20	37	31	27	23
	30	45	38	33	28
	40	52	44	37	33
020 .103 SUN YELLOW	15	42	35	31	27
	20	50	42	35	31
	30	61	50	43	38
	40	70	58	50	43
030 9/64 WALNUT BROWN	15	65	54	46	40
	20	74	62	53	47
	30	91	76	65	57
	40	105	88	75	65
040 5/32 DEEP BLUE	15	86	72	61	54
	20	99	82	71	62
	30	121	101	87	76
	40	140	117	100	88

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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