**COLORED DISC ORIFICE CHART FOR 13⅓” ROWS**

Application Rate (gal/ac) for Colored Disc Orifices

**Electric Pump Pressure Recommendations (with 5 lb check valves):**
- Minimum: 10 PSI
- Maximum: 30 PSI

Chart is for 10-34-0 Fertilizer (11.7 lb/gal material) @ 55-65 °F
- Cleanness, 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.
- Water or 8.34 lb/gal material—multiply by the factor of 1.188
- 555 Fertilizer or 11.2 lb/gal—multiply by the factor of 1.024
- 28-0-0 Fertilizer or 10.65 lb/gal—multiply by the factor of 1.051

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71495 Rd. 397
Indianola, NE 69034
800-382-2607
www.schaffert.com