

DEBUG TURBO NEMATODE CONTROL IN MELONS

APPLICATION TIME: Application could be made pre-plant for seeded plants as well as transplants. It is better to deliver the DEBUG TURBO to the soil about 2 weeks prior to seeding or transplant. Post plant application can be through the drip system.

I. DRIP IRRIGATION:

Melon crop beds are generally 40 inches to 42 inches. In drip irrigation, install 1 (one) emitter per foot. The width of the treated band should be around 12 inches (one foot), at the center of the bed (or where the seeding row is). Each emitter should have discharge rate of 2 liters per hour delivery.

DEBUG TURBO and water quantity calculations:

(A) DEBUG TURBO Requirements

Measure the length of each row in feet or meters. If feet, multiply the length by 1 to get the total emitters per row. If in meters multiply the length by 3 to get the total emitters per row. Calculate the number of rows in each sub-main (or the number of rows in the area covered by the fertilizer injector tank).

$$\text{DEBUG TURBO Quantity (in liters)} = \frac{0.375 \times \text{Length (in feet) per row} \times \text{number of rows}}{1000}$$

$$\text{DEBUG TURBO Quantity (in gallons)} = \frac{0.375 \times \text{Length (in feet) per row} \times \text{number of rows}}{3785}$$

Example: If each row is 300 feet long, there are 300 emitters per row (at 1 foot apart) and there are 40 rows that is covered by one fertilizer injector tank in a field, the DEBUG TURBO quantity needed for this area is:

$$\frac{0.375 \times 300 \times 40}{1000} = 4.5 \text{ liters} \quad \text{OR}$$

$$\frac{0.375 \times 300 \times 40}{3785} = 1.19 \text{ gallons}$$

(B) Water Requirements:

Water Quantity (in liters per hour) = 2 x Length (in feet) per row x number of rows

$$\text{Water Quantity (in gallons per hour)} = \frac{2 \times \text{Length (in feet) per row} \times \text{number of rows}}{3.785}$$

Example: If each row is 300 feet long, there are 300 emitters per row (at 1 foot apart) and there are 40 rows that is covered by one fertilizer injector tank in a field, the water quantity needed for this area is:

$$2 \times 300 \times 40 = 24000 \text{ liters per hour} \quad \text{OR}$$

$$\frac{2 \times 300 \times 40}{3.785} = 6340 \text{ gallons per hour}$$

II. FLOOD IRRIGATION:

On flood-irrigated fields, DEBUG TURBO can be applied as a drench application. Each bed should be approximately 40 inches to 42 inches. Mix DEBUG TURBO at the rate of 1.38 gallons in 1500 gallons of water for one acre. Apply as a drench on the beds, on a one-foot band along the center of the bed (seeding area).

Depending on the type of soil, you may need additional amounts of water to push the DEBUG TURBO down to 6-10 inches below ground level.
