



## STOLLER ENTERPRISES, INC.

...World leader in crop nutrition...

SOIL AND SALT ... A DEADLY MIXTURE "Aqua Cal 5" - Page 1 of 1

### SOIL AND SALT ... A DEADLY MIXTURE "Aqua Cal 5"

#### **When treating salty soil, there are a number of things to remember:**

1. The calcium must be extremely soluble.
2. One is not trying to leach sodium or reduce sodium in the soil ... only increase calcium in the plant
3. Banding calcium will be more effective than broadcasting calcium for supplying the plants.
4. The most important time to supply the most calcium is when the plant is young.
5. Additional (smaller) amounts need to be applied for cell wall formation in young root hairs. This is where nutrients are "picked up" by the plants. This is also the area where root hormones are made.
6. Addition of Auxins, Cytokinins, and Gibberellic acid may help control proper hormone balance during stressful conditions.

**Product: "Aqua Cal 5" 5% (NH<sub>2</sub>) – 0 – 0 – 8% (Ca) – 1.5% (Mg)**

#### **Application Methods:**

- Drip system is most effective method of application
- Banding along both sides of the plant is second most effective method
- Overhead irrigation is next
- Water-run (furrow) irrigation is the next

#### **How much should be used?**

- Pre-plant or early sidedress: 30 gallons per acre  
Every 21 days thereafter: 20 gallons per acre

In most situations, the above amount will be adequate for normal crop growth.

- On field crops where 100% of the Aqua Cal must be applied preplant:  
Band 30-40 gallons per acre 1½" to 2" below the seeding depth.
- On permanent crops such as alfalfa, apply 30 gallons per acre for the first crop and 20 gallons per acre after each cutting

#### **What results should we see?**

- Higher yields
- Better quality
- Greater disease resistance
- Better water penetration
- More years of high yield from permanent crops (less replanting)