

## **FOLIAR APPLICATION - COTTON - GROUND APPLICATION**

### General Information

Quantum 15-0-12-8S is a chloride-free, clear liquid solution, containing 15% N, 12% potash and 8% sulfur. Each gallon of 15-0-12-8S contains 1.67 pounds of nitrogen, 1.33 pounds of potash and 0.89 pounds of sulfur. 15-0-12-8S may be applied by drip, sprinkler, or flood irrigation. It may be blended with other fertilizers or applied as a foliar treatment on selected crops. When used as a foliar fertilizer, 15-0-12-8S should first be diluted with water before applying. Blends of 15-0-12-8S should not be acidified below a pH of 6.0.

### PHYTOTOXICITY

Plant and leaf injury may occur on some crops when certain weather and growing conditions are present. The use assumes all risks of use and handling.

### GENERAL APPLICATION AND USE RECOMMENDATIONS

Quantum 5-0-20-13S may be applied to a wide variety of agricultural crops. Potassium requirements for most crops increase dramatically during periods of rapid growth and fruit development. Application of Quantum 5-0-20-13S should be made based on soil and/or plant tissue analysis for potassium.

### APPLICATION NOTES

#### CAUTION

- Do not apply Quantum 15-0-12-8S to foliage of crops sensitive (foliar burn) to sulfur.
- Do not apply with oil sprays
- Be sure to check other manufacturer's labels concerning oil treatment spray guidelines and foliar nutrient applications containing sulfur
- Do not apply to foliage of any crop when temperatures are above 90° F. Apply early morning or late evening.
- When mixing Quantum 15-0-12-8S or any liquid fertilizer with pesticides always keep agitators running during filling and spraying operations. Failure to maintain agitation may cause separation of products resulting in uneven spray application.
- Do not apply with knife injectors or other types of fertilizer injecting equipment

that may cause root pruning.

- Sprinkler application of Quantum 15-0-12-8S and other liquid fertilizers over an established crop may cause foliar injury to a crop if: injection period is short enough to cause an excessive amount of fertilizer to accumulate on the leaves, temperatures are above 90° F and humidity less than 30%, fertilizer rates are higher than recommended, irrigation pump breaks down during or immediately after injecting fertilizer, and/or any combination of these conditions.
- Crop injury may result from unusual weather conditions, failure to follow label directions, or improper application practices all of which are out of control of the manufacturer or seller. The directions on this label are believed to be reliable and should be followed carefully.

### Limitations, Restrictions, and Exceptions

#### FOLIAR APPLICATION

Application rates are only for the crops listed below. For recommendations regarding crops not listed, contact your local fluid fertilizer dealer. Quantum 5-0-20-13S may be applied by ground or air. Quantum 5-0-20-13S contains triazone and methylene urea based slow-release liquid nitrogen to improve the foliar absorption of potassium and sulfur.

#### Notes

Begin treatments the second week of bloom, apply 6 to 8 quarts per acre of 5-0-20-13S by ground applicator every 7 to 10 days for 3 or 4 applications.

#### Method

[Broadcast/Foliar Ground](#)

#### Rates

[field\\_rates 0](#)

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#### Timings

[Second week of bloom.](#)