Coastal AgroBusiness, Inc.

Product Label

Quantum SDS

18-0-8-5S

Guaranteed Analysis:

Nitrogen 18.0%

(7.2% Urea Nitrogen and 10.8% other Water Soluble Nitrogen)

Soluble Potash (K_2O) 8.0%

Combined Sulfur 5.4%

Plant Nutrient Sources Derived From:

Potassium Thiosulfate, Urea, Methylene Urea, and Triazone

DENSITY: 11.12 lbs./Gallon at 68°F

CAUTION

KEEP OUT OF REACH OF CHILDREN

Read the entire label for additional precautionary statements.

Manufactured By:
Coastal AgroBusiness, Inc.
Kinston, North Carolina

GENERAL INFORMATION

Quantum 18-0-8-5S is a chloride-free, clear liquid solution, containing 18% nitrogen, 8% potash, and 5% sulfur. Each gallon of **Quantum 18-0-8-5S** contains 2 pounds of nitrogen, 0.89 pounds of potash, and 0.6 pounds of sulfur. **Quantum 18-0-8-5S** 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, **Quantum 18-0-8-5S** should first be diluted with water before applying. Blends of **Quantum 18-0-8-5S** should not be acidified below a pH of 6.0.

PRECAUTIONARY STATEMENTS / HAZARDS TO HUMANS

Avoid prolonged or repeated contact with eyes, skin, and clothing. Chemical goggles or a full-face shield should be worn. To protect skin, wear appropriate protective equipment, such as rubber or plastic aprons, rubber gloves, and boots. Avoid breathing mist or vapor. Keep containers closed. Wash thoroughly after handling. May cause gastrointestinal distress if swallowed.

FIRST AID

If swallowed: Call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

If in eyes: Flush eyes with copious amounts of clean water for at least 15 minutes. Remove contacts if present, and easy to do. Do not let the victim rub their eye. Get medical attention.

If on skin: Remove contaminated clothing and wash skin with soap and water. If irritation develops, get medical attention.

If inhaled: Remove the person from the area of exposure. Give artificial respiration if necessary. If breathing is difficult, give oxygen if a qualified operator is available. Seek medical attention.

STORAGE AND DISPOSAL

Minimize skin exposure. Store mini-bulks and smaller containers out of the sun in an area of moderate temperature. Do not reuse containers. Avoid containers, piping, or fittings made of copper-containing alloys or galvanized metal. Do not store at temperatures below 15°F, as crystallization may occur. **Quantum 18-0-8-5S** may be stored in plastic, fiberglass, or stainless-steel vessels. Dispose of containers in accordance with local regulations and requirements.

IN CASE OF SPILL

Contain spill and maximize recovery. Keep spills out of water sources. Exercise caution in the area of the spill for slippery conditions. Dispose of spilled material in accordance with regulatory requirements.

PHYTOTOXICITY

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

DIRECTIONS FOR USE

Quantum 18-0-8-5S 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 18-0-8-5S** should be made based on soil and/or plant tissue analysis for potassium.

SOIL APPLICATION

Starter: Apply 1 to 4 gallons of **Quantum 18-0-8-5S** per acre by itself or with other starter fertilizers at least 2 inches below and 2 inches to the side of the seed.

Pop-Up Fertilizer: Apply 2 to 4 quarts of **Quantum 18-0-8-5S** per acre by itself or with other liquid pop-up fertilizers.

Sidedress: May be surface banded or knife-injected as a source of nitrogen, potassium, and sulfur. Rates may vary between 1 and 10 gallons per acre, depending on crop requirement and soil analysis.

FOLIAR APPLICATION

Application rates are only for the crops listed below. For recommendations regarding crops not listed, contact your local fluid fertilizer dealer. **Quantum 18-0-8-5S** may be applied by ground or air. **Quantum 18-0-8-5S** contains triazone and methylene urea-based slow-release liquid nitrogen to improve the foliar absorption of potassium and sulfur. By air, apply 2 to 5 quarts of **Quantum 18-0-8-5S** per acre in 3 to 10 gallons of water spray solution. For ground application, apply 2 to 6 quarts of **Quantum 18-0-85S** per acre. Always mix well to ensure proper distribution during application.

APPLICATION/CROP	NOTES
Corn	Apply just prior to tasseling and second application in 7 to 10 days.
Cotton	Begin treatments the second week of bloom, apply 6 to 8 quarts per acre of 15-0-12-8S by ground applicator every 7 to 10 days for 3 or 4 applications.
Soybeans	Apply just prior to bloom and again in 10-14 days.
Potatoes	Apply at tuber initiation; apply second application in 2 to 3 weeks, and third application at tuber bulking.
Small Grains	Apply at tillering to early boot stage.
Alfalfa	Apply at crown green-up or on re-growth after cutting.
Tomatoes	Begin at fruit set and apply every 7 to 14 days.
Peas and Lentils	Apply during late bud to 10% bloom.
Vines	Begin 2 weeks after bloom. Apply 2 to 4 quarts per acre in a minimum of 50 gallons of water. Repeat treatment in 7 to 10 days.

FOLIAR APPLICATION

APPLICATION/CROP	NOTES
Flood and Furrow Irrigation on Trees and Vines	Apply 10 to 15 gallons per acre per application beginning at full leaf, schedule as needed.
Vegetable and Row crops	Apply 10 to 15 gallons per acre per application; make second application based on crop requirements.
Sprinkler Irrigation on Vegetable and Row Crops	Beginning at the 3rd or 4th leaf stage, apply 3 to 10 gallons per acre per application every 10 to 14 days based on crop requirements. After injection, allow enough irrigation time to rinse the plants of any residual fertilizer.
Trees (Overhead)	Apply 3 to 5 gallons per acre per application every 10 to 14 days based on crop requirements.
Trees (Under)	Apply 5 to 15 gallons per acre per application every 10 to 14 days based on crop requirements.
Vines	Apply 3 to 5 gallons per acre per application every 10 to 14 days based on crop requirements.
Center Pivot on Vegetable and Row crops	Apply 3 to 5 gallons per acre per application as needed based on crop requirements.
Drip Irrigation on Vegetable and Row Crops	Apply 3 to 5 gallons per acre per application, 2 to 4 times during the growing season.
Young Trees and Vines	Apply 3 to 10 gallons per acre during the active growing season.
Mature Trees and Vines	5 to 15 gallons per acre per application, 1 to 2 times during the active growing season.

APPLICATION NOTES

Always mix well to ensure proper distribution during application.

CAUTION

- Do not apply **Quantum 18-0-8-5S** to foliage of crops sensitive (foliar burn) to sulfur.
- Do not apply with oil sprays.
- Be sure to check other manufacturers' 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 18-0-8-5S** 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 18-0-8-5S** 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 the control of the manufacturer or seller. The directions on this label are believed to be reliable and should be followed carefully.

ALWAYS READ AND FOLLOW LABEL DIRECTIONS

SHAKE WELL BEFORE USE

KEEP FROM FREEZING

NOTICE: Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with the directions contained on this label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use, storage or handling of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use. These risks include, but are not limited to damage to plants, crops, and animals to which the material is applied, failure to control pests, damage caused by drift to other plants or crops, and personal injury.