Coastal AgroBusiness, Inc.

Product Label

30L Quantum SDS

30-0-0

Guaranteed Analysis:

Nitrogen 30.0%

(12% Urea Nitrogen, 18% other Water Soluble Nitrogen)

Plant Nutrient Sources Derived From:

Urea, Methylene Urea, and Triazone

*18% Slow Delivered Nitrogen from Triazone and Methylene Urea

Weight per gallon: 10.5 lbs.

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 30L is a chloride-free, clear liquid solution containing 30% N. Each gallon of **Quantum 30L** contains 3.15 lbs. of nitrogen, 1.26 lbs. of urea nitrogen, and 1.89 lbs. as a slowly available form of nitrogen. Quantum SDS (Steady-Delivery-System) fertilizer can be used in row crop, turf, fruit, and vegetable applications. If **Quantum 30L** is being used as a portion of the total nitrogen load in an NPK blend, it is compatible with all nitrogen sources. It can be blended with most phosphorus, potassium, and sulfur sources, but only to their solubility thresholds. **Quantum 30L** can be mixed with most common pesticides, herbicides, and fungicides. However, a jar test should be used to confirm compatibility. **Quantum 30L** should not be mixed with strong acids, as product degradation will occur and the fertilizer will precipitate. **Quantum 30L** may be applied by drip, sprinkler, or flood irrigation. **Quantum 30L** is ideal for drip irrigation systems because it can be directly siphoned into a proportioner. It may also be blended with other fertilizers or applied as a foliar treatment on selected crops. When used as a foliar fertilizer, **Quantum 30L** should first be diluted with water before applying. Blends of **Quantum 30L** should not be acidified below a pH of 5.0.

PRECAUTIONARY STATEMENTS / HAZARDS TO HUMANS

CAUTION. Harmful if swallowed, inhaled, or absorbed through skin. Can cause skin, mucous membrane, and eye irritation. Avoid contact with eyes, skin, or clothing. Wear suitable gloves and face shield when handling this product. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Wash thoroughly after handling. Remove and wash contaminated clothing before reuse. Do not apply this product in a manner as to directly or through drift expose workers or other persons. Always read and follow product labeling.

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.

NOTE: If contact is made with a spray solution containing pesticides, follow the “First Aid” statements on the pesticide label.

STORAGE AND DISPOSAL

Do not store near heat or open flame. Store in original container only. Keep container closed when not in use. Keep from freezing. If damaged or leaking, soak up with absorbent material and place in a suitable container for disposal. Transfer remaining product to a suitable container for storage and label.

Do not contaminate water, food, or feed by storage or disposal. Do not contaminate water by runoff from equipment wash waters or spray materials. Wastes resulting from this product may be disposed of on-site or at an approved waste disposal facility.

Container Disposal: Triple rinse (or equivalent) and add rinsate to spray tank, then offer for recycling, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

AGRICULTURAL USE REQUIREMENTS AND USER SAFETY RECOMMENDATIONS

When used in conjunction with pesticides, consult the pesticide manufacturer's label for worker protection recommendations. Use of waterproof gloves and protective eyewear is recommended when handling this product.

DIRECTIONS FOR USE

Quantum 30L may be applied to all agricultural crops. Use rates will vary depending on amount of nitrogen needed.

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

SOIL APPLICATION

For soil applications: Quantum 30L may be used as a source of nitrogen in soil applications and may be applied any way traditional nitrogen applications are made (broadcast, directed, banded, in-furrow, 2 x 2, side dressed, injected).

Supplemental Nitrogen Application: For all soil applications, replace 12-15% of total nitrogen with **Quantum 30L**. The slowly available nitrogen in **Quantum 30L** **will** release over a 60-to-90-day period after application, depending on soil and environmental factors.

FOLIAR APPLICATION

Foliar application rates are only for the crops listed below. For recommendations regarding crops not listed, contact your local fluid fertilizer dealer. **Quantum 30L** may be applied by ground or air. **Quantum 30L** contains triazone and methylene urea based slow-release nitrogen sources to improve foliar absorption of nutrients.

By air, apply 2 to 6 quarts of **Quantum 30L** per acre in 3 to 10 gallons of water spray solution.

For ground application, apply 4 to 8 quarts of **Quantum 30L** per acre in a minimum of 10 gallons of spray solution.

APPLICATION/CROP	NOTES
Corn	Apply at V4-V6 and prior to tasseling.
Cotton	1 - 2 quarts/acre in an over the row application after plants reach 4 leaf stage. 4 - 16 quarts/acre at early bloom and repeat as necessary.
Soybeans	Apply at early pod set and repeat every 14-21 days.
Tobacco	Apply a half rate at plant bed stage to near maturity as needed to maintain crop growth and quality. **DO NOT** use in transplant water.
Peanuts	Apply at early bloom and repeat as necessary until pod fill.
Potatoes	Apply prior to tuber initiation and at early bloom. A third application may be made 2 - 3 weeks following bloom spray through fertigation system.
Small Grains	Apply at flag leaf stage.
Grapes	Apply at pre-bloom and any time nitrogen needs are evident.
Tomatoes and Peppers	Apply at early bloom and repeat at fruit set and again 15 - 30 days later. Apply 8 - 12 quarts/acre 3 - 4 weeks prior to harvest.
Peas and Lentils	Apply shortly after first flower and repeat 10-14 days later.
Apples	Apply at bud swell to king bloom and repeat 30 days later and again 30 - 40 days prior to harvest for sizing. Apply 8 - 12 quarts/acre post-harvest in 1 or 2 applications.
Leafy Greens	Apply after thinning and repeat after 14 days and again 10 to 14 days prior to harvest.
Stone Fruit	Apply a half-rate at bud swell to early bloom and repeat in 30 days. Apply 4 - 6 weeks prior to harvest for improved fruit sizing. Apply a 4x rate post-harvest in 1 or 2 applications to strengthen buds.
Turfgrass	Apply as needed to increase density and root growth. Apply at higher rates in areas with prolonged growing seasons or in areas of high use or “grow in” situations.
Strawberries	Apply at early bloom and repeat in 14 - 21 days.
Cucurbits/Melons	Apply half-rate at early bloom and repeat about 4 weeks after bloom.

FERTIGATION

Suggested Rates:

APPLICATION/CROP	NOTES
Flood and Furrow Irrigation Trees and Vines	Apply 8 to 14 gallons/acre per application beginning at full leaf, schedule as needed.
Vegetable and Row crops	Apply 8 to 14 gallons/acres per application; make second application based on crop requirements.
Sprinkler Irrigation Vegetable and Row Crops	Beginning at 3rd to 4th leaf stage, apply 2 to 8 gallons/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.
Vines and Trees (Overhead)	Apply 2 to 4 gallons/acre per application every 10 to 14 days based on crop requirements.
Trees (Under)	Apply 4 to 14 gallons/acre per application every 10 to 14 days based on crop requirements.
Center Pivot Vegetable and Row crops	Apply 2 to 4 gallons/acre per application as needed based on crop requirements.
Drip Irrigation Vegetable and Row Crops	Apply 2 to 4 gallons/acre per application 2 to 4 times (twice a month for 3-4 months during the growing season.
Young Trees and Vines	Apply 2 to 8 gallons/acre during the active growing season.
Mature Trees and Vines	Apply 8 to 14 gallons/acre per application 1 to 2 times during the season when actively growing.

APPLICATION NOTES

- Do not apply to foliage of any crop when temperatures are above 90˚ F. Apply early morning or late evening.
- When mixing **Quantum 30L** 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.
- Sprinkler application of **Quantum 30L** 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.

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.