

Coastal AgroBusiness, Inc.



**Product Label**



**Soil and Fertilizer Additive  
To Enhance Nutrient Availability  
with LCO Promotor Technology®**

Proprietary composition of natural carboxylic acids secreted by soil bacteria, fungi, and plant roots to enhance solubilization and uptake of plant nutrients.

Active Ingredients:

Natural carboxylic acid solution and LCO* Promotor	40%
Other Ingredients	60%
Total	<hr/> 100%

\*Product contains a minimum of  $2 \times 10^{-7}$  % lipo-chitooligosaccharide (LCO) formulated for in-furrow corn application.

**Not a Plant Food Product**

**CAUTION**

*KEEP OUT OF REACH OF CHILDREN*

Read entire label for additional precautionary statements.

Manufactured By:  
**Coastal AgroBusiness, Inc.**  
Greenville, North Carolina

**Advance LCO** is a proprietary composition of natural carboxylic acids secreted by soil bacteria, fungi, and plant roots and LCO Promotor Technology®. The natural acids enhance the solubilization and uptake of plant nutrients by regulating microbial growth and function and by controlling the processes that enhance nutrient availability, uptake, and assimilation. Lipo-chitooligosaccharide (LCO) is a signal molecule that promotes lateral root growth in corn. The combination of materials in **Advance LCO** will promote root development while improving the availability of added nutrients as well as increase the availability of phosphorous and other nutrients already found in the soil.

## PRECAUTIONARY STATEMENTS / HAZARDS TO HUMANS

**CAUTION.** Harmful if swallowed. Can cause skin, mucous membrane and eye irritation. Avoid contact with eyes, skin or clothing. Use caution when opening. 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.

## STATEMENT OF PRACTICAL TREATMENT

**If swallowed:** Give large amounts of water and induce vomiting. Get immediate medical attention. Never induce vomiting or give anything by mouth to an unconscious person.

**If in eyes:** Flush eyes with copious amounts of clean water for at least 15 minutes. If irritation persists get medical attention.

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

**NOTE:** If contact is made with 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 tightly closed and do not allow water to be introduced into the contents of this container. Keep from freezing. If damaged or leaking, soak up with absorbent material and place in suitable container for disposal. Transfer remaining product to 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 pesticide manufacturer's label for worker protection recommendations. Use of waterproof gloves and protective eyewear is recommended when handling this product.

## DIRECTIONS FOR USE

**Advance LCO** may be applied in a number of ways to promote root growth and enhance the solubilization, availability, and uptake of plant nutrients. However, for best results Advance LCO is designed to be applied as close to the seed germination zone as possible, therefore direct in-furrow application is recommended. **Advance LCO** may be applied to the seed furrow at planting as a neat solution or with starter fertilizer recommended for in-furrow or 2 x 2 applications.

Application	Rate
At Planting	8 oz/acre in furrow alone or with starter fertilizer recommended for in-furrow application.  10 oz/acre in 2 x 2 applications with starter fertilizer
Side Dress	10 – 12 oz/acre with fertilizer solution

## APPLICATION

Clean tank before use. Add other products to tank in recommended order of addition before adding Advance LCO. Advance LCO does not require agitation to remain in suspension/solution. Recommended for in-furrow and/or 2 x 2 applications.

## COMPATIBILITY

Mix and apply with compatible liquid fertilizer products recommended for in-furrow or 2 x 2 applications. Perform a jar test prior to tank mixing products to ensure compatibility. ADVANCE LCO is an additive to liquid fertilizer. With prolonged storage and varying environmental conditions, all liquid fertilizers can have a tendency to stratify. Coastal recommends checking with your fertilizer manufacturer for proper storage and handling guidelines, including the need for recirculation. If your fertilizer product has been in storage an excess of 3 months or if you notice stratification has occurred, we recommend you recirculate the product for best results.

Due to variations in materials, soils, waters and other conditions, the optimum use rate may vary. When mixing in fertilizer solutions whether for in-furrow, side dress, or other applications, make sure Advance LCO is mixed well into the base material to ensure even and proper distribution.

### **ALWAYS READ AND FOLLOW LABEL DIRECTIONS**

**SHAKE WELL BEFORE USE**

**KEEP FROM FREEZING**

Torque™ and LCO Promotor Technology® are registered trademarks of Novazymes BioAg, Inc.

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.