



Carboxyplus®



50% CARBOXYLIC/ORGANIC ACID BLEND

A Carboxylic Acid Liquid Fertilizer Additive

NOT A PLANT FOOD INGREDIENT

FOR MANUFACTURING USE ONLY

Fertilizer formulation (liquid) or tank mix: Add **CARBOXY PLUS** in liquid fertilizer blends to deliver three (3) to ten (10) ounces per acre in the finished product. Product pH may be adjusted with ammonia, caustic potash or oxides of zinc, calcium or similar alkaline fertilizer additives.

RATES:

In the seed furrow: **CARBOXY PLUS** at 3 oz/acre over the seed up to 10 oz/acre with popup fertilizer

As a side dressing: **CARBOXY PLUS** at 5 oz/acre up to 16 oz/acre in combination with fertilizer solution



WARNING

Causes skin irritation. Causes eye irritation.

Wash skin thoroughly after handling. Wear protective gloves. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs or eye irritation persists: Get medical attention. Wash contaminated clothing before reuse.

MILLER CHEMICAL & FERTILIZER, LLC

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NET CONTENTS: 250 GALLONS - Weight per Gallon: 10.4 lbs.

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General Information

CARBOXY PLUS is a Fertilizer Additive to Enhance Nutrient Availability

CARBOXY PLUS is a carboxylic acid fertilizer additive developed to improve the availability of phosphate, calcium, iron, magnesium, and zinc nutrients to growing plants. **CARBOXY PLUS** is a supplement to improve nutrient availability and uptake and improve tolerance to sodium. Adding **CARBOXY PLUS** to the seed furrow with starter or pop up fertilizers makes plant nutrients more available and increases tolerance to sodium in saline soils.

Background: **CARBOXY PLUS** is a product developed from years of research on plant roots, rhizosphere microorganisms and mycorrhiza fungi. Soil microorganisms and plant roots secrete compounds that solubilize minerals and make nutrients available to plants. Root secretion from a young seedling starting out in cool soil is not sufficient to support microbial activity in its rhizosphere. Therefore, the seedlings get off to a slow start and often experience early nutritional stress, especially phosphorous.

FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids apart to ensure flushing of entire surface. Call a physician.

SKIN CONTACT: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse. Call a physician.

INHALATION: Move person to fresh air. If not breathing, give artificial respiration, preferably by mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.

INGESTION: If swallowed, DO NOT induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a physician immediately!

BENEFITS:

- **CARBOXY PLUS** enhances early seedling vigor in cool soils by increasing phosphate availability.
- **CARBOXY PLUS** reduces physiological stress from deficiencies in calcium, iron, magnesium and zinc.
- **CARBOXY PLUS** increases tolerance to physiological stress induced by excess sodium.
- **CARBOXY PLUS** enhances phosphate and nutrient availability to promote seedling vigor and root growth.
- In low phosphate soils, **CARBOXY PLUS** improves the availability of added phosphate nutrients.
- In high phosphate soils when the availability of many nutrients is limited, **CARBOXY PLUS** added to the seed furrow increases the availability of soil phosphorous and of phosphate-bound calcium, iron, zinc and magnesium.
- In alkaline and calcareous soils when pH limits nutrient availability, **CARBOXY PLUS** improves the availability of calcium, iron, magnesium, zinc and phosphorous.
- In tropical soils, **CARBOXY PLUS** aids the plant in overcoming nutrient deficiency induced by aluminum toxicity.
- In saline soil, **CARBOXY PLUS** reduces plant stress from excess sodium.

CARBOXY PLUS can be:

- Applied at planting through soil injection or in the seed furrow.
- Applied through drip irrigation or center pivot systems.
- Applied as a side dressing with fertilizer solutions

Formulating with CARBOXY PLUS

When used in fertilizer formulations or tank mixes, **CARBOXY PLUS** helps keep nutrients in solution making the nutrients more available to the crop. **In tank mixes:**

CARBOXY PLUS added to tank mixes aids in maintaining the stability and solubility of phosphates and other nutrients.

CARBOXY PLUS enhances nutrient uptake and translocation by the leaves and roots of growing plants.

In fertilizer formulations:

CARBOXY PLUS as part of soil or foliar fertilizer formulations, maintains nutrients in solution and aids in clarifying fertilizer solutions and micronutrient mixes.

CARBOXY PLUS aids in root and foliar uptake and transport of nutrients across cell membranes into roots and leaves.