

Micro & Secondary Nutrients

Feast® Micro Nutrients

Essential micro and secondary nutrients help crops achieve genetic potential

Once you have your AgroVantage® tissue or soil test results and recommendations, choose from a full line of Feast® MicroMaster™ chelated and complexed micro and secondary nutrients to balance your plant's deficiencies. These nutrients are designed for co-application with starter and foliar fertilizers.

All of Conklin's Feast formulations are unsurpassed in consistency, purity and nutrient availability. These nutrients are 100 percent organically chelated or complexed using EDTA chelating agents to resist soil tie-up. One or a combination of these nutrients could be the key to unlock your crop's yield barrier and reach its maximum genetic potential.

- Five to ten times more efficient than inorganic sources
- Economical, effective and easy to use
- Compatible with Feast and most other fertilizers
- Compatible with many pesticides

"In a complete soil test recommendation program, all parts, no matter how small, are important. The system is only as strong as its least fulfilling component. This stresses the importance of micronutrients in our soil. Even though only a small amount is required, without that small amount, crops will not perform to their maximum potential."

-Tim Carlson, CCA Research Agronomist



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Feast® Product	Label Application Rates
Boron 10.0% Complexed	Soil: broadcast 1 to 8 quarts per acre. • For most effective treatment*, apply in deep-placement band* at planting or shortly after as a sidedress. • Caution - do not apply in direct contact with seed. Foliar**
Calcium 3.0% EDTA Chelated	Soil: One to four pints per acre as needed.* Feast® Calcium EDTA can be applied alone, with fertilizers or in combination with most pesticides. For most effective treatment, apply in combination with starter fertilizer at planting or as a sidedress shortly after. Foliar**
Copper 7.5% EDTA Chelated	Soil: One to two pints per acre as needed.* Feast® Copper EDTA can be applied alone, with fertilizers or in combination with most pesticides. For most effective treatment, apply in combination with starter fertilizer at planting or as a sidedress shortly after. Foliar**
Iron 4.5% EDTA/HEDTA Chelated	Soil: One to two pints per acre as needed.* Feast® Iron HEDTA/EDTA can be applied alone, with fertilizers or in combination with most pesticides. For most effective treatment, apply in combination with starter fertilizer at planting or as a sidedress shortly after. Foliar**
Magnesium 2.5% EDTA Chelated	Soil: One to four pints per acre as needed.* Feast® Magnesium EDTA can be applied alone, with fertilizers or in combination with most pesticides. For most effective treatment, apply in combination with starter fertilizer at planting or as a sidedress shortly after. Foliar**
Manganese 6.0% EDTA Chelated	Soil: One to four pints per acre as needed.* Feast® Manganese EDTA can be applied alone, with fertilizers or in combination with most pesticides. For most effective treatment, apply in combination with starter fertilizer at planting or as a sidedress shortly after. NOTE: Do not apply to organic soils such as muck or high organic sands. Use a foliar application for these soil types. Foliar**
Zinc 9.0% EDTA Chelated	Soil: One to four pints per acre as needed.* Feast® Zinc EDTA can be applied alone, with fertilizers or in combination with most pesticides. For most effective treatment, apply in combination with starter fertilizer at planting or as a sidedress shortly after. NOTE: Do not apply to organic soils such as muck or high organic sands. Use a foliar application for these soil types. Foliar**

* Optimal rates can vary depending on soil conditions, extent of deficiency, type of crop and other factors. Conklin Company Inc. recommends the use of AgroVantage® soil and/or plant tissue analysis to accurately determine the quantities of any nutrient to be applied.

** One half pint to two pints per acre. When applied with ground application equipment use no more than 10 gallons of total spray solution per acre, when applied with aerial application equipment use no more than 5 gallons per acre of total spray solution. A quality wetting agent such as Saturall 85® or Rain-Fast® may be used to insure even coverage. NOTE: if label directions are not followed for foliar applications, phytotoxicity may occur. Foliar fertilization is intended as a supplement to a regular fertilization program and will not, by itself, provide all the nutrients normally required by agricultural crops.

General Product Information and Recommendation Precautions

General Product Information:

- Feast® secondary and micronutrient use must be based on an actual need as determined by an AgroVantage® or other accredited soil and/or tissue analysis.

Recommendation Precautions:

- Because of economics and/or potential seedling damage concerns, Conklin does not recommend more than a **total of five pints/acre** of chelated secondary and micronutrients be soil applied in-row. Additional amounts can be foliar fed or applied in a soil application other than in-row. Boron should **NEVER** be applied in-row.
- No more than a **total of four pints/acre** of Zinc, Manganese, Magnesium or Calcium, individually or in combination, should be soil placed in-row because of economics and/or potential seedling damage. Remaining amounts can be foliar fed or applied in a soil application other than in-row.
- No more than **two pints/acre** of either Iron or Copper should be soil placed in-row because of economics and/or potential seedling damage. Remaining amounts can be foliar fed or applied in a soil application other than in-row.
- No more than **two pints/acre** of Iron and Copper in combination should be soil placed in-row because of economics and/or potential seedling damage. Apply one pint of each micronutrient and additional amounts can be foliar fed or applied in a soil application other than in-row.
- Phytotoxicity **may occur** with any of the above listed Feast® products if label directions for application are not followed closely.

When applied as recommended in a starter application, Conklin Feast® Calcium, Copper, Iron, Magnesium, Manganese and Zinc chelates are about ten times as efficient as broadcast applications of inorganic forms such as sulfate, oxide or chloride. The combined effects of chelation and placement provide this efficiency. In general, placement produces 2 times and chelation 5 times greater amounts of readily available nutrients as compared to broadcasting the same rates of inorganic forms.

When applied as recommended in a 2X2 band, Conklin Feast® Boron solution is about 3 times as efficient as a broadcast application.

When applied as recommended in a foliar application, Conklin Feast® Calcium, Copper, Iron, Magnesium, Manganese and Zinc chelates are about 10 times (Boron is 4 to 5 times) as efficient as broadcast soil applications. In a foliar application, Conklin Feast® chelates provide broad spectrum.

Conklin Company Inc. AgroVantage Products Division

Independent Business Owner:

