

Aides in early plant development expanding roots for maximum nutrient uptake

3.2% Zn, 0.8% Mn, 0.8% Mg, 0.8% Cu

Benefits of Growforce[®] Finisher

- Ideal combination of key micronutrients applied early in the plant's lifecycle focused on vegetative development
- When applied in-furrow this leads to earlier germination and enhanced plant stand establishment
- Healthy, vigorous root systems ensure access to essential nutrients from the soil
- Extremely safe for application
- Can be applied with a wide range of other agricultural chemicals, reducing the number of spray applications needed
- Pre-mixed in carefully controlled ratios so the crop receives the essential nutrients specific to its growth stage

THE ROLE OF ZINC

Zinc forms an enzyme which produces carbon dioxide and maintains CO₂ levels for photosynthesis. Zinc plays an important role in the production of auxins.

THE ROLE OF MANGANESE

Manganese is essential as an enzyme activator which helps with nitrate assimilation. It is also primarily involved in photosynthesis and chlorophyll production.

THE ROLE OF MAGNESIUM

Magnesium forms an essential part of chlorophyll structure. This is essential for photosynthesis and therefore most other plant functions, particularly the uptake and mobilization of other plant nutrients, specifically phosphorus. Magnesium is very mobile in the plant and deficiencies are seen in the old leaves with inconsistent chlorosis. Magnesium is an essential part of the ATP activation process that helps in energy storage in cell catalyzing various enzyme systems that regulate metabolic processes.

THE ROLE OF COPPER

Copper is vital for energy transfer from the roots up the plant for vegetative growth. It is also critical for cell wall formation which acts as a natural defense mechanism against disease. Copper is also an activator of several enzymes in plants, and it plays a key role in vitamin A production.

Deficiency Symptoms of Zinc

- Chlorosis
- Stunting
- Dieback
- Rosetting
- Small Irregular Leaves
- Reduced Yield

Deficiency Symptoms of Manganese

- Leaf Speckling
- Susceptibility to root diseases

Deficiency Symptoms of Copper

- Flag and young leaf twisted
- Tip growth of leaf necrotic
- Poor grain development/formation
- Blind grain sites on head
- Stunted plant with poor yield

Product Characteristics

Weight per Gallon: 10.85 lbs. **Color:** Dark Liquid

Analysis	International (w/w%)
Zinc (Zn)	3.2
Manganese (Mn)	0.8
Magnesium (Mg)	0.8
Copper (Cu)	0.8

Directions for Use

Agitate contents well before dilution. Suitable for application by:



Foliar Spray



Aerial Spray

CROP	Rate/A	COMMENTS
Barley Cotton Oats Triticale Wheat	1 -3 qts.	If using the lower rate, tissue tests may be required to determine the need.
Canola	1 -3 qts.	
Soybeans, Legumes	1 -3 qts.	
Corn Rice Sorghum	1 -3 qts.	
Lettuce, Onions,	1 -3 qts.	
Tomatoes, Peppers, Carrots		