

Micronutrients play a vital role in early seed development. Growers use Nutriseed™ products to deliver the ideal amount of the finely ground nutrients plants use during germination to develop a robust and vigorous root system as well as consistent and enhanced stand establishment. Strong roots ensure plants can acquire water and minerals, reduce disease intensity and promote uniform growth for higher yield potential.



### Quick Facts:

- Ideal agronomic nutrient ratios
- Over 30 years of experience in suspension seed treatment products
- Compatible with most chemical seed treatments
- Accelerates seedling development because nutrients are available from germination
- Promotes healthy, vigorous root systems that ensure access to essential nutrients from the soil
- Extremely safe for application to all seeds due to nutrient form
- Micro particles ensure even coverage and effective plant uptake

### Seed Treatment Products:

#### **Nutriseed Zn (Zinc)**

39.6% Zn

#### **Nutriseed ZMC (Zinc, Manganese, Copper)**

25.9% Zn – 9.8% Mn – 3.0% Cu

#### **Nutriseed ZnMn (Zinc, Manganese)**

17.0% Zn – 17.0% Mn

#### **Nutriseed ZnMo Plus (Zinc, Molybdenum)**

3.0% Zn – 2.0% Mo + Kelp

**Vivid Life Sciences strives to provide growers with bright ideas in plant performance via innovative technologies in plant nutrition, protection and growth promotion that enhance crop yields. These patented technologies add value to a wide variety of row and specialty crops. With a focus on plant physiology, our agricultural product portfolio offers practical solutions in seed treatment, in-furrow and foliar plant nutrition, advanced biologicals and phosphite fungicides.**

## Why Choose Nutriseed® Products?

Three things to consider

- 1** Micronutrients play a vital role in early seed development.

**Zn:** activates genes and mobilizes enzymes involved in germination, synthesis of auxins

**Mn:** vital for photosynthesis

**Cu:** vital for energy transfer (plastoquinones), cell wall formation

**Mo:** essential for N metabolism, especially in early seed growth
- 2** Nutriseed micronutrient seed treatment products create more consistent emergence and larger, more vigorous roots early in the plant's life.
- 3** The closer we place the nutrient in proximity to the seed, the greater we enhance its ability to leverage this micronutrient.



Control vs. Nutriseed ZMC

## Seedling Vigor = Optimum Stand = Yield



Control vs. Nutriseed ZMC

- Reduces disease intensity
- Promotes larger root systems; Increases plants' ability to acquire water and nutrients
- Promotes uniform plant growth and maturity
- Increases harvestable yield
- Increases crop quality parameters

### Early Crop Vigor Scores<sup>1</sup> Zinc Usage in Corn

	AVG
Untreated	3.77
Nutriseed Zinc	4.22

### Micronutrient Seed Treatments Create Bigger Roots<sup>2</sup>

	Plant Height mm 4 DAP	Plant Height mm 10 DAP	Root Length 10 DAP	Root Dry Weight mg 10 DAP
Check	19.4	228.02	313.65	71.65
Nutriseed Zinc	20.33	232.1	325.15	78.19

<sup>1</sup>2015 Vivid Life Sciences Trial Data. 6 Locations, Replicated Trials. Product: Nutriseed® Zn.

<sup>2</sup>2015 Vivid Life Sciences Trial Data. Corn Growth Chamber Study. Product: Nutriseed® Zn.