



# RECOMMENDATIONS



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## TIGER MICRONUTRIENTS<sup>®</sup> Zinc 18% (65%S, 18%Zn)

— Granular Micronutrient Fertilizer —

### Product Description

TIGER MICRONUTRIENTS<sup>®</sup> Zinc 18% is a new formulation of granular micronutrients that offers several improved features over conventional micronutrient sources.

- Reduced heavy metal content
- Improved handling and blending with cleaner (less dust) and uniform sizing.
- New “Acid Forming” Technology allows for quick dispersion and increased performance.
- “Ultra Low” analysis products allows for greater micronutrient distribution and performance.
- Dual nutrient formulations allows for greater value over conventional source.

TIGER MICRONUTRIENTS<sup>®</sup> Zinc 18% is a unique, micronutrient fertilizer that delivers agronomically and economically, and provides excellent handling characteristics.

TIGER MICRONUTRIENTS<sup>®</sup> Zinc 18% provides a cost effective method of correcting zinc deficiencies. Zinc deficiencies in plants occur as a result of a lack of zinc for the production of growth hormones. zinc deficient plants cause the shortening of internodes and smaller than normal leaves. Zinc deficiency in Corn shows up as a striping between the veins of leaves, mainly on the older lower leaves. Extensive zinc deficiencies will have tissue death in the chlorotic leaf areas. Consult a agronomic consultant regarding Zinc deficiencies if unsure of symptoms.

### Guaranteed Analysis 65% Sulphur, 18% Zinc (Zn), 17% Inert Ingredients

Zinc Actual lbs Required	TIGER MICRONUTRIENTS <sup>®</sup> ZINC 18% + S to Apply	Added Value Sulphur (lbs Actual)
1 pound	5.5 pounds	3.6 pounds actual S

### General Application Recommendations

The best methods of detecting zinc deficiencies are soil testing, tissue testing as well as using visual identifications of symptoms in moderate to severe deficiencies.

TIGER MICRONUTRIENTS<sup>®</sup> Zinc 18% is a unique low analysis zinc source that ensures optimal root to particle contact for uptake into the plant. TIGER MICRONUTRIENTS<sup>®</sup> Zinc 18% can be both banded and broadcast applied.

## TIGER MICRONUTRIENTS® Zinc 18% Recommendations

### Trigger Levels for Zinc — Based on Soil Test Results

Pounds (Kg) of Actual Zinc per acre to apply

	Soil Test (Hot Water Extraction)	Low Phosphate Soils pH < 6.8	Low Phosphate Soils pH > 6.8	High Phosphate Soils pH < 6.8	High Phosphate Soils pH > 6.8
Zinc Fertility	ppm Available Zn	Lbs (kg) per acre to apply	Lbs (kg) per acre to apply	Lbs (kg) per acre to apply	Lbs (kg) per acre to apply
<u>Very Low</u>	0 - 0.5	5.0 lbs/acre ( 2.3 kg/ac )	6.0 lbs/acre ( 2.7 kg/acre )	7.0 lbs/acre ( 3.2 kg/acre )	8.0 lbs/acre ( 3.6 kg/acre )
<u>Low</u>	0.6 - 1.0	3.0 - 4.0 lbs/acre ( 1.4 - 1.8 kg/acre )	4.0 - 5.0 lbs/acre ( 1.8 - 2.3 kg/acre )	4.0 - 5.0 lbs/acre ( 1.8 - 2.3 kg/acre )	5.0 - 6.0 lbs/acre ( 2.3 - 2.7 kg/acre )
<u>Medium</u>	1.1 - 3.0	1.0 - 2.0 lbs/acre ( 0.45 - 0.91 kg/acre )	2.0 - 3.0 lbs/acre ( 0.91 - 1.4 kg/acre )	2.0 - 3.0 lbs/acre ( 0.91 - 1.4 kg/acre )	2.0 - 4.0 lbs/acre ( 0.91 - 1.8 kg/acre )
<u>High</u>	3.0 - 6.0	0	0 - 2 lbs/acre ( 0 - 0.91 kg/acre )	0 - 2.0 lbs/acre ( 0 - 0.91 kg/acre )	1.0 - 2.0 lbs/acre ( 0.45 - 0.91 kg/acre )
<u>Very High</u>	6.0 or higher	0	0	0	0

Some soils may naturally have higher levels of micronutrients. Very low is the lowest level recommended and may not apply to high input crops. Hidden Hunger may still play a role in your crops yield potential.

Many crops grown in North America will respond to zinc applications. Zinc is one of the micronutrients that is essential very early in a plants life as it assists in the development of strong root systems.

When making a zinc recommendation consider the specific crop response. High zinc requirement crops such as Corn, Potatoes, beans and flax will respond well to Zinc at soil levels that may have no effect on crops that have low zinc requirements (ie. Alfalfa).

### Where to use TIGER MICRONUTRIENT® fertilizers

TIGER MICRONUTRIENTS® fertilizers are formulated to provide the most cost-effective micronutrients available on the market. They offer superior blending and handling qualities with minimal dust.

When used as a part of a balanced fertility program, TIGER MICRONUTRIENTS® Zinc 18% can provide a season-long source of Zinc. TIGER MICRONUTRIENTS® Zinc 18% can be applied alone or blended with granular fertilizers. Surface applications of TIGER MICRONUTRIENTS® fertilizers allows the granule to disperse onto the soil surface. A light incorporation will assist in even distribution of the micronutrient particles into the soil.

Zinc applications required should be based on agronomic recommendations from soil tests, and tissue analysis. For more information on TIGER MICRONUTRIENTS® fertilizers view the “Acid Forming Technology - How it Works” in our TIGER MICRONUTRIENTS® fertilizers technical information.

## TIGER MICRONUTRIENTS® Zinc 18% Recommendations

### Handling and Storage

**TIGER MICRONUTRIENTS® fertilizers** will blend and store well with other granular fertilizer products. Accepted blending and handling procedures should be followed when using **TIGER MICRONUTRIENTS® fertilizers**. Good housekeeping is necessary when handling sulphur based products. Tiger-Sul Products uses a special anti-dust agent to minimize air borne dust. Always use stringent dust control procedures to prevent concentrated flammable dusts from reaching a spark or flame source. **TIGER MICRONUTRIENTS® fertilizers** should not be stored with strong oxidizing agents such as ammonium nitrate. Avoid extensive use of augers due to fracturing of the product.

### First Aid

**Skin Contact:** Wash with mild soap and water. Seek medical attention if irritation occurs.

**Eyes:** Flush with running water for at least 15 minutes. Seek medical attention if irritation persists.

**Ingestion:** Irritation may occur, seek medical attention.

**Inhalation:** Remove to fresh air environment. Seek medical attention.

Disclaimer: While every reasonable care has been taken to ensure that uniformity on our web site is correct at the time of posting, we do not warrant accuracy and recommend you obtain local and independent verification.



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