

## MicroEssentials® SZ™

Are you looking for performance, profitability and peace of mind? If so, MicroEssentials® SZ™ is for you.



### Next generation crop nutrition

This innovative, breakthrough formula for the “next generation of crop nutrition” features a patented manufacturing process that ensures a uniform distribution of nutrients.

### Four vital nutrients

Every granule of MicroEssentials® SZ™ (12-40-0-10S-1Zn) contains four vital nutrients: nitrogen, phosphorus, sulfur and zinc (SZ). The interaction of these key nutrients offers benefits to your wheat crops, and helps to ensure success.

### Increase nutrient uptake

Research conducted at the University of Manitoba showed that nutrients in the granule work together to lower the soil pH around the granule. ***This synergy makes MicroEssentials® SZ™ a more efficient fertilizer that can increase***

***phosphorus uptake by 30 percent and increase sulfur and zinc uptake by 10 to 40 percent.***

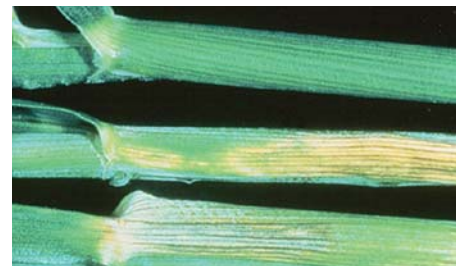
### MicroEssentials® Products Lower the Soil pH Around the Granule

	Sandy Soil	Clay Soil
Check	6.0	8.0
MAP	5.0	7.3
<b>MES</b>	<b>4.6</b>	<b>7.1</b>

Units: pH in the soil solution around the granule after 5 weeks (University of MB)

### Zinc critical micronutrient

Zinc is essential for the normal, healthy growth and reproduction of plants. In fact, plants fail to develop normally when deficient in zinc and can lose 40 percent of yield potential.



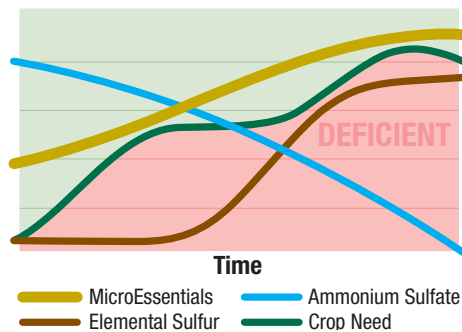
# MicroEssentials<sup>®</sup> SZ<sup>™</sup>

## Right ratio at the right time

MicroEssentials<sup>®</sup> SZ<sup>™</sup> is designed to supply sulfur and zinc in every granule in the right ratio at the right time. It also delivers a high rate of phosphorus with two forms of sulfur:

- The sulfate form - available immediately to developing roots (five percent)
- The elemental form - available later in the growing season (five percent)

## Sulfur Availability and Update



## Free flowing

MicroEssentials<sup>®</sup> SZ<sup>™</sup> stays drier than most fertilizers which prevents the product from caking up and allows it to flow freely. This makes MicroEssentials<sup>®</sup> SZ<sup>™</sup> the ideal product for your drills and air seeders.



## Micronutrients wheat crops need

MicroEssentials<sup>®</sup> SZ<sup>™</sup> provides the micronutrients your wheat crops need. And, it delivers them uniformly and effectively. That's because the roots of your wheat plants must find needed nutrients that are scattered across large areas. Every granule contains essential nutrients that can be put near developing roots.

## 4-Way Blend Fertilizer Distribution



## MicroEssentials<sup>™</sup> SZ<sup>™</sup> Distribution



## Get a faster start

You can also get your wheat crop off to a faster start. MicroEssentials<sup>®</sup> SZ<sup>™</sup> delivers nitrogen in the ammonium form, making your crops less dependent on changing weather patterns.

## Key benefits of MicroEssentials<sup>®</sup> SZ<sup>™</sup>:

- Ensures balanced nutrition
- Offers needed nutrients in each granule
- Improves distribution of nutrients compared to a blended product
- Eliminates the nutrient segregation that is possible with a blend
- Ensures uniform application in the field
- Offers two forms of sulfur: 50 percent sulfate and 50 percent elemental
- Provides season-long sulfur availability
- Improves nutrient uptake due to the chemistry of the granule
- Offers convenience and ease of use.