



# Zinc 40

## Granular Zinc 40%

*Agrium  
Advanced  
Technologies  
(AAT)  
Zinc 40  
is a  
high-analysis,  
medium  
water-soluble,  
uniformly  
granulated  
zinc  
fertilizer,  
specifically  
designed to  
assist in  
plant growth  
and  
maximizing  
yield.*

### Zinc functions in plant

- Essential in the synthesis of protein
- Promotes seed and grain formation
- Has a key role in plant maturity
- Required for regulation of growth and enzyme systems
- Transformation of carbohydrates
- Aids in respiration

### Zinc can be deficient in

- Sandy, low organic matter, eroded soils
- High soil pH
- High levels of phosphorus or areas of high applications
- Cold, wet or poorly drained soils

### Symptoms

- Interveinal chlorosis
- Shortened internodes
- With zinc being mobile in plants, oldest leaves affected first
- Formation of small leaves
- Mottling in broad leaf crops

### Critical levels in plant and soil tests

- Plant Tissue: parts per million (ppm)

Critical levels at about 20-70 ppm

Corn: 20-70 ppm

Beans: 20-60 ppm

Wheat: 25-40 ppm

- Soil Test: parts per million (ppm), 0-6", Mehlich III extraction

Deficient: <1.5 ppm

Marginal: 1.5-4.0 ppm

Sufficient: >4.0 ppm





# Zinc 40

## Granular Zinc 40%

### Guaranteed Analysis Ultra Yield Zinc 40

Zinc	40.0%
Nitrogen	1.0%
Sulfur	8.0%
Water Soluble Zn	35.0%
SGN	250
Uniforming Index	50.0%

Color: Dark Gray/Brown

AAT Ultra Yield products are treated with a superior dust coating and are uniform in size for excellent blending properties. We combine the agronomic water-solubility of sulfates with the economics of oxide materials. Agrium uses the latest technology in product manufacture. Bags are color coded for easy identification. Available in bulk, one-ton super sacks or 50# bags. Bagged product comes on non-returnable pallets with protective cardboard inserts and shrink-wrap. All Ultra Yield micronutrients have been environmentally screened for safe use.

Use **Ultra Yield Zinc 40** for fall and pre-plant zinc deficiency prevention. **Ultra Yield Zinc 40** is the product of choice for broadcast and band applications in a wide range of conditions.

- Water-soluble zinc at 35%. **Zinc 40** meets university and industry standards, which have set the minimum water-solubility target between 35% and 50%.
- Crop essential sulfur at 8%. All the sulfur in **Zinc 40** is in the immediately available form of sulfate sulfur.
- Nitrogen content of 1% provides added dollar value to **Zinc 40** and it is in the ammonium form, which means it won't volatilize.
- **Zinc 40** offers a lower cost per unit fertilizer versus Agrium **Ultra Yield EZ20** and Agrium **Ultra Yield Zinc Sulfate 20**. Logistical concerns of economies of freight, warehouse space, and volume of product needed are addressed with a high analysis fertilizer.

### Comparison

Product	Analysis	Product Rate per Acre	Actual Nutrient per Acre			Water-Solubility
			Zinc	Sulfur	Nitrogen	
<b>Zinc 40</b>	40.0% Zn	13#	5.0#	1.1#	0.3#	>35.0%
Other	40.0% Zn	13#	5.0#	0.8#	0.0#	<10.0%

**For more information on Zinc 40 please contact:**

Agrium Advanced Technologies (U.S.) Inc.  
Micronutrient Products  
2405 W. Vassar Rd (M-15)  
Reese, MI 48757  
Telephone (989) 752-2138  
Fax (989) 752-6145



[www.UltraYield.com](http://www.UltraYield.com)