



# Micronutrient **Myth-busters**

## Correcting common misconceptions about micronutrient availability

### Myth #2: Water solubility is the only feature I need to consider when choosing a soil-applied micronutrient.

With hundreds of micronutrient brands on the market, it's no wonder we look for a simple test to tell us which are most effective. For some, that test is water solubility (how easily a micronutrient dissolves in water). However, providing plants with sufficient micronutrient nutrition is too complex to rely on water solubility measures alone.

Plants take up micronutrients from the soil solution, so it makes sense that you need to get the nutrient into the soil's water before it enters the plant. In fact, water solubility may be the single most important factor for

traditional granular micronutrients, where segregation can occur during blending and handling, resulting in non-uniform application across the field.

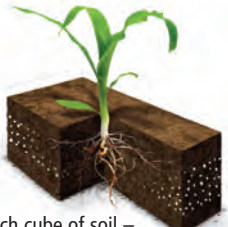
What we're really evaluating when assessing water solubility is crop response to micronutrients. There are other important factors that influence response; most importantly, that nutrients are in an **available form**, in the **right place** (close to the growing roots), at the **right time** and in the **amount the crop needs**.

Distribution of 30% granular ZnSO <sub>4</sub> across the field	
Application Rate	Square inches covered by one granule
1 lb/ac	102
2 lb/ac	51
3 lb/ac	34
4 lb/ac	25
5 lb/ac	20

*Even at high rates, and assuming even blending and distribution, distance between zinc granules in the field is large. Each granule must cover a large area.*

### Wolf Trax DDP Micronutrients give you water solubility and more – ensuring maximum distribution and early uptake.

DDP<sup>®</sup> Micronutrients are formulated to coat dry fertilizer effectively, resulting in even and consistent distribution throughout the blend. Each prill of N, P or K fertilizer is coated with micronutrient, and as the fertilizer is spread across the field, the micronutrient is distributed through the soil profile. And, the unique DDP formulation helps avoid tie-up in the soil.

 15x15x5 inch cube of soil – treated with 150 lbs/ac of a 34-17-0 blend	Treatment	Potential root-nutrient interception points
	Typical 35% zinc granular micronutrient at a 5lb/ac rate  Wolf Trax DDP Micronutrients	2 chunks of zinc (assuming perfect blending and distribution)  153 fertilizer prills, ALL coated with micronutrient

*With Wolf Trax, micronutrient is placed very close to growing roots in an available form. The opportunity for root-to-nutrient contact is greatly increased, leading to earlier uptake and less tie-up in the soil.*

### Myth Busted! Focusing solely on water solubility when comparing micronutrients ignores placement and timing as critical factors affecting plant response.

New technological advances, such as Wolf Trax DDP Micronutrient fertilizer coating, gives you the potential to deliver the right amount of micronutrient right to the plant's roots in an available form.

Look for more Micro Myth-busting information from Wolf Trax Innovative Micronutrients.



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