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**Ruffin-Tuff™**

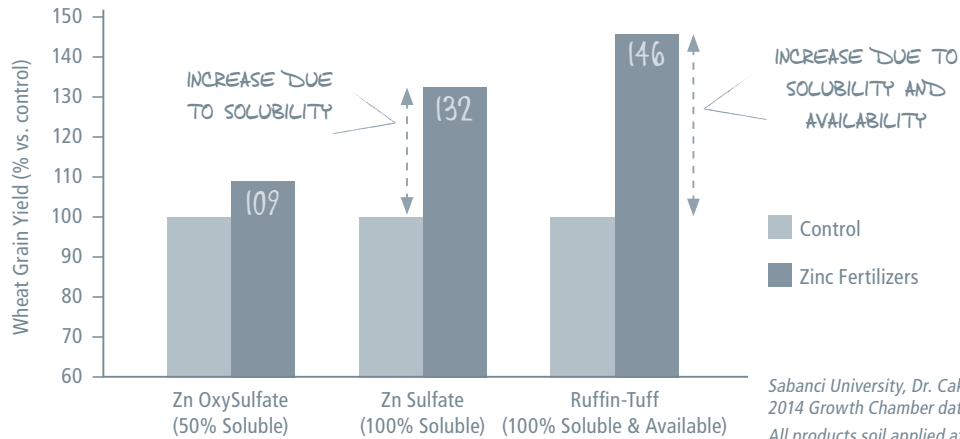
Soil Micro

# Ruffin-Tuff™

**Ruffin-Tuff** products are patented, lignosulfonated (LS) soil-applied granular micronutrients. The Ruffin-Tuff line is designed specifically to increase nutrient use efficiency and address specific micronutrient deficiencies in the soil.

- 100% water soluble, which means the nutrients are 100% plant available
- The patented LS technology protects the micronutrients, allowing them to stay available and more mobile in the soil for a longer period of time
- Contains the lowest analysis of all granular micronutrients in the industry
- Bulk density is the same as granular NPK fertilizers
- The end result is more feeding sites

SOLUBILITY + AVAILABILITY = DELIVERS GENETIC POTENTIAL



Sabancı University, Dr. Cakmak, 2014 Growth Chamber data.

All products soil applied at 1 lb/ac zinc equivalent. Ruffin-Tuff applied at 5X efficiency factor.

## Ruffin-Tuff Product Family

Product	Analysis	# of Nutrients/Acre	# of Product/Acre	Timing
Zinc	10.0Zn-7S	1	2.0	Soil
		2	4.0	
Copper	5.0Cu-6S	1	4.0	Soil
		2	8.0	
Manganese	8.0Mn-6S	1	2.5	Soil
		2	5.0	
Iron	10.0Fe-8S	1	2.0	Soil
		2	4.0	
Boron*	10.0B	1	10.0	Soil
		2	20.0	
Crop Mix II	6.0Zn-3.0Mn-1.5Cu-1.5B-8S	1	3.5	Soil
		2	7.0	

\*Boron product is a calcium borate and is not lignosulfonated