

# Sucra+Min™

Sucrated Minerals

## ARCOSA

SPECIALTY MATERIALS



## WHAT ARE SUCRATES?

During photosynthesis, plants manufacture carbohydrates (saccharides) in the form of reducing sugars or monosaccharides. These reducing sugars hydrolyze and ionize with water to form a negatively charged ion which is given off by the plant to take up positively charged nutrients throughout the process of ion exchange in the root zone.

The proprietary process used to create Sucra-Min™ uses the same type of carbohydrates or natural reducing sugars to produce sucrate products. The reducing sugars promote consistent and steady plant growth while improving microbial activity in the root zone.

Sucrates are created by incorporating finely ground oxides with specific reducing sugars, in the presence of heat and moisture. This process forms an organic complex with the oxides and causes the sugars to hydrolyze and form a carboxylate, or what is more commonly referred to as a sucrate.

## WHY USE SUCRATES?

Quite simply, sucates keep your micronutrients available for plant uptake longer throughout the growing season. The natural reducing sugars in Sucra-Min™ prevent your elemental amendments from combining with other elements in the soil. So the Zinc, Iron, Manganese, and Magnesium you apply stay in their intended form longer, provide a slow release, and resist leeching out of the soil. This means that Sucra-Min™ products last longer and work better than regular micronutrient amendments.

- Resist tie-up and/or oxidation in alkaline soils. They also resist leaching and runoff in all soils
- Free flowing, dispersible micronutrient granules are used to provide the necessary nutrients plants need for optimized productivity throughout the growing season

- Provide slow-releasing micronutrients that increases root uptake, keeping plants healthy and strong
- Micronutrients work great in both alkaline and acidic soils

### IRON SUCRATE 50

Excellent nutrient uptake throughout the growing season

### MAGNESIUM SUCRATE 45

Granules disperse with water or soil moisture

### MANGANESE SUCRATE 35

Soil dispersible source of manganese

### ZINC SUCRATE 36

High granule population of micronutrients per ton of mixed goods

Information regarding the contents and levels of metals in this product is available online at [www.aapfco.org/metals.htm](http://www.aapfco.org/metals.htm) Manufactured and Guaranteed by Art Wilson Co. dba Arcosa Specialty Materials, PO Box 20160, Carson City, NV 89721 United States

[www.ArcosaSpecialtyMaterials.com](http://www.ArcosaSpecialtyMaterials.com) or Toll Free: 1-888-497-6463

