

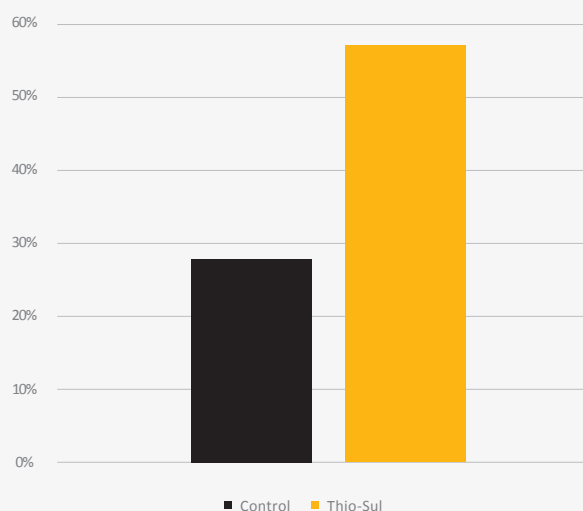


# BENEFITS OF THIO-SUL IN DESERT AGRICULTURE

**Apply Thio-Sul in the flat water (pre-irrigation water) to help manage salinity and break down residues**

- The acidification reaction resulting from soil applied Thio-Sul dissolves calcium carbonate, thereby freeing up calcium to manage soil salinity
- The nitrogen in Thio-Sul narrows the C:N ratio to aid in more rapid decomposition of crop residues

**Relative Decrease of Electrical Conductivity (EC) (% Decrease) After Irrigation**



Research performed by Charlie Sanchez, Univ. of Arizona, on lettuce and broccoli in Yuma, AZ



LEADING PRODUCER OF SULFUR-BASED LIQUID PLANT NUTRITION

**SINCE 1919**



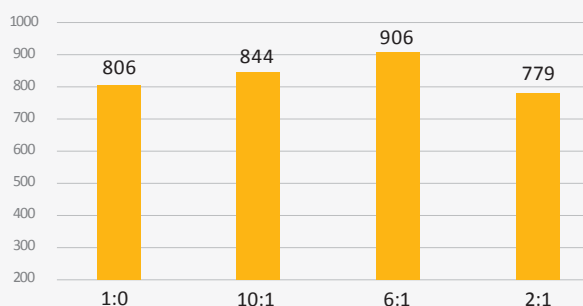
Don't neglect the sulfur from Thio-Sul in key crops like alfalfa, corn, forages and brassicas



THIOSULFATE INCREASED MICRONUTRIENT LEVELS IN BROCCOLI TISSUE – 2020 RESEARCH TRIAL

Treatment	% Mn	% Fe
UAN-32	77	131
UAN-32 + Thio-Sul®	89	149
UAN-32 + MOP	56	99
UAN-32 + SOP	66	103
UAN-32 + Thio-Sul® + MOP	93	152
UAN-32 + KTS®	97	148

Number of 24 lbs. boxes per acre



Ratio of Applied Nitrogen to Sulfur (N:S)

## Thio-Sul® helps to increase the availability of other nutrients in the soil

- Thio-Sul generates localized acidity that increases the availability of phosphorous and some micronutrients
- Thio-Sul is a reducing agent which helps convert some micronutrients, such as iron and manganese, into more plant available forms

## Apply Thio-Sul with each application of nitrogen to increase Nitrogen Use Efficiency (NUE)

- Thio-Sul is a proven nitrification inhibitor to help avoid N losses to leaching
- Thio-Sul adds sulfur which helps the plant utilize the N more efficiently



START A CONVERSATION TODAY WITH YOUR CROP VITALITY SPECIALIST

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