

# TOLERO™

## IRRIGATION INJECTION SURFACTANT

### DATA SUMMARY



Plants don't eat, they drink. That's why managing water in the plant root zone allows growers to get improved crop yields and soil health.

Reducing the surface tension of irrigation water allows the water to move into and throughout the plant root zone. Over time, this increased water content in the soil ensures water and nutrients are available and evenly distributed to the plant as it needs them.

TOLERO is a unique blend of water management technologies designed to improve the omnidirectional movement and retention of irrigation water throughout the plant root zone, improving irrigation efficiency and enhancing the growing environment for the targeted crop.

#### WHY USE TOLERO:

- Enhances the yield of irrigated crops in coarse to moderate texture soils
- Saves water by reducing irrigation times or increasing time between watering
- Improves the movement of irrigation water and rainfall into the root zone
- Increases available water in the root zone for three to four weeks
- Evenly distributes nutrients throughout the root zone for increased utilization

#### FEATURES AND BENEFITS:

- Increases crop yield
- Reduces runoff and leaching and conserves water
- Low use rates for excellent return on investment
- Stable formulation that is easy to use

#### USE RATES:

- Apply TOLERO at the rate of 1 quart per acre (2.34 liters per hectare)
- Make subsequent applications at the rate of 1 pint per acre (1.17 liters per hectare)
- Rates may be adjusted to meet the needs of the crop, based on soil type and conditions

#### APPLICATION INTERVAL:

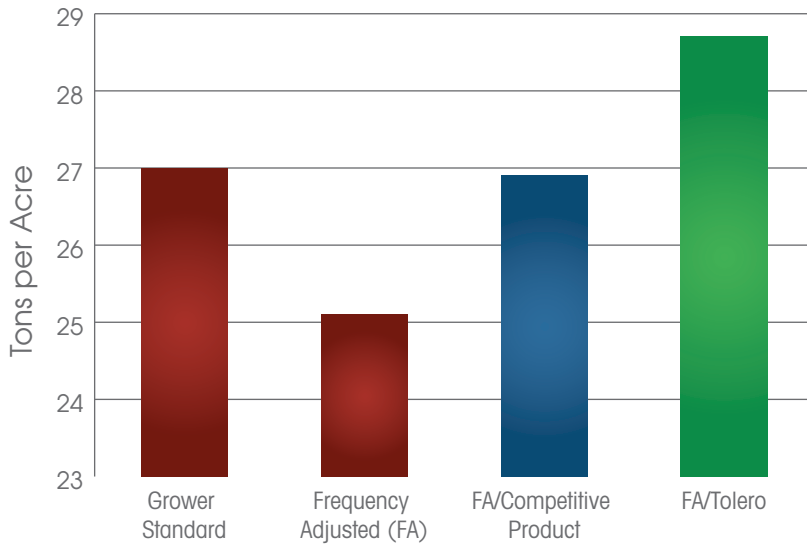
- Apply TOLERO every 3 to 4 weeks
- The time between applications may vary by crop, soil type or environmental conditions

#### PACKAGING:

- 2 X 2.5 gallons per case
- 275 gallon tote

# INCREASE YIELD

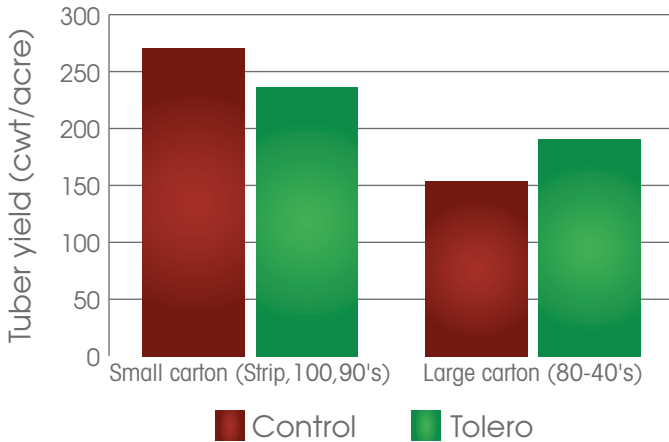
## ONION YIELD & WATER REDUCTION



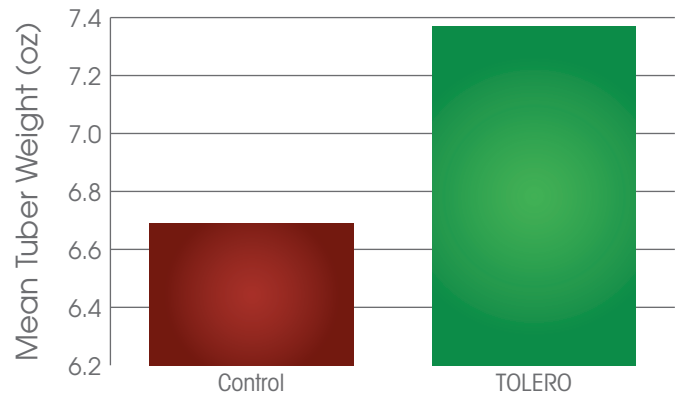
TOLERO applied through drip irrigation increased onion yield and decreased the frequency of irrigation needed, reducing water by 28%.

*TOLERO @ 1 qt/acre followed by 1 pt/acre every 4 weeks. Four applications*

## POTATO YIELD



## POTATO TUBER WEIGHT

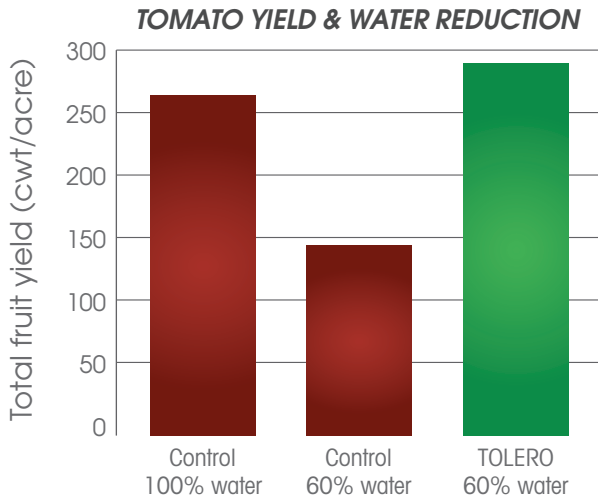


Large carton yield and mean tuber weight were increased by applying TOLERO at hilling and throughout the growing season with pivot irrigated potatoes.

*TOLERO @ 1 qt/acre (spray-applied) followed by four applications @ 1 pt/acre every 4 weeks*

## REDUCE WATER

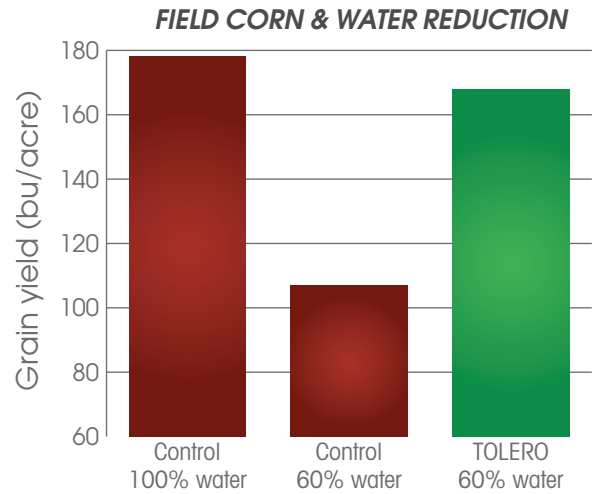
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Applying TOLERO through drip irrigation maintained tomato yield despite reducing water by 40%.

*TOLERO @ 1 qt/acre, followed by 1 pt/acre applied every 4 weeks. Three applications*

*Data represents the mean of two studies conducted in 2014 and 2015.*

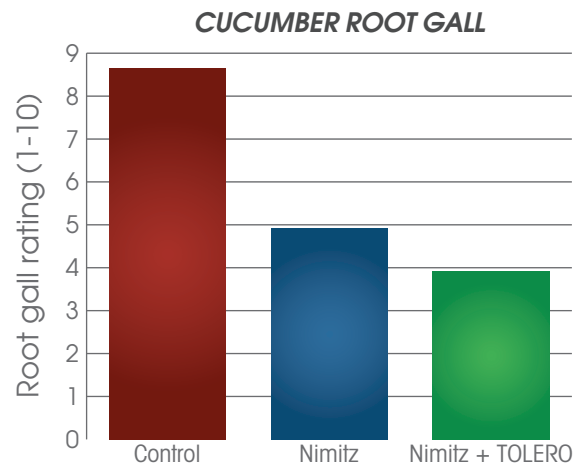
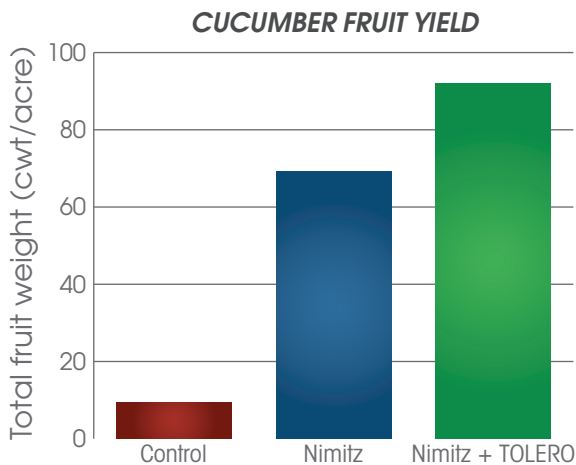


Field corn grown on sandy loam soil in Georgia required 3 hours of daily irrigation. Applying TOLERO through drip irrigation allowed for water to be reduced by 40% and maintain crop yield.

*TOLERO @ 1 qt/acre, followed by 1 pt/acre applied every 4 weeks. Three applications*

## OPTIMIZE EFFICACY OF PESTICIDES

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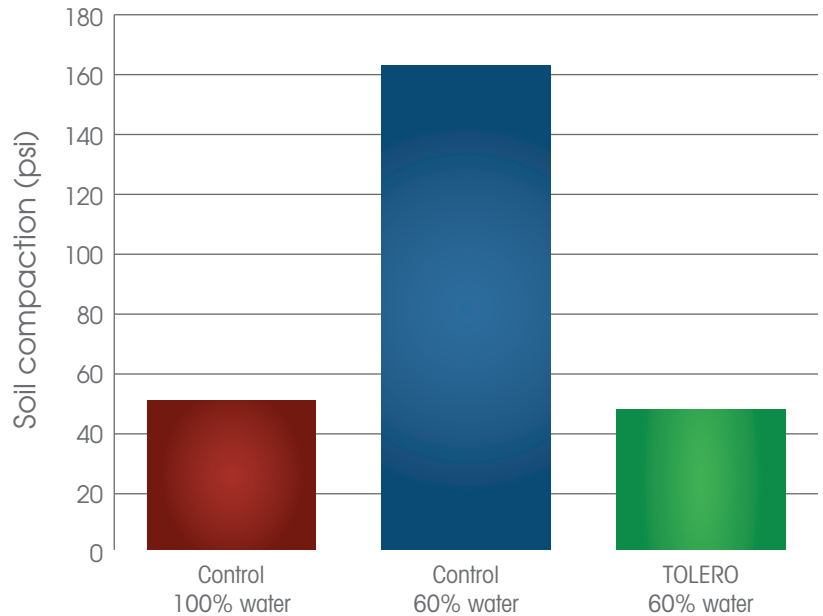


Nimitz® nematicide and other soil-applied pesticides require uniform soil moisture to be most effective. Treating the plant root zone with TOLERO improved the performance of Nimitz on root knot nematode and increased total fruit weight of cucumbers.

*TOLERO @ 1 qt/acre, followed by 1 pt/acre applied every 4 weeks. Two applications*

# REDUCE SOIL COMPACTION

## FRESH MARKET TOMATO – SOIL COMPACTION

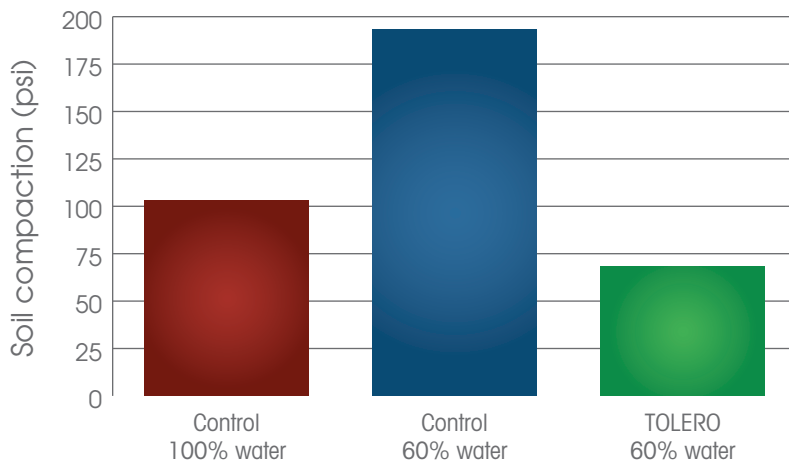


Soil compaction affects plant health and yield. Data shows TOLERO reduced soil compaction in plants that received 40% less water than the grower standard.

*TOLERO @ 1 qt/acre, followed by 2 applications @ 1 pt/acre applied every 3 to 4 weeks*

*Data represents the mean of two studies conducted in 2014 and 2015.*

## SQUASH – SOIL COMPACTION



Data collected using a soil penetrometer confirmed soil compaction in the root zone of yellow squash grown under plastic was reduced by 33% when TOLERO was applied through drip irrigation.

*TOLERO @ 1 qt/acre, followed by 1 pt/acre applied every 3 to 4 weeks. Two applications*

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*Specialized chemistries that enhance plants, seeds, soil and water.*  
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