



TRIAL ON JALAPENOS BAJIO, MEXICO

KTS® is a clear, chloride-free solution that features the highest potassium and sulfur content available on the market.

- Boosts crop quality: improves consistency, protein content, crop color, sweetness and shelf life
- High potassium delivers efficiency to ensure a better crop yield
- Improves the assimilation of other nutrients present in the soil (phosphorus and other nutrients)
- Liquid potassium and sulfur fertilizer without either nitrogen or chloride

Year: 2016

Cooperation with: Victor Callejas

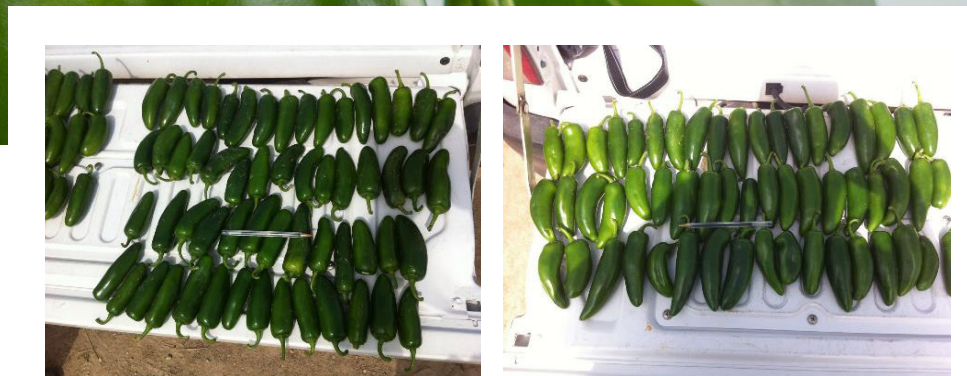
Variety: Seminis 5807

Type of application: drip irrigation

Parameters measured: yield and size

Goal:

Evaluate the effect of increasing dose of KTS in the yield of jalapeño pepper



METHODOLOGY

The demonstrative trial was established in the region of Bajío in an area of 2 hectares, where we had two treatments of 1 ha each. The plot presented uniform characteristics and same planting date.

TREATMENT

Fertilization

The fertilization was applied to all treatments, according to the farmer's program.

T1: Farmer's program - T2: KTS

First application (1st month):

- T1: 150 kg/ha mix urea, sulfoamin and sulfonitrate + 40 kg/ha formula 11-62-0 + 25 kg/ha potassium nitrate + 25 kg/ha magnesium nitrate + 60 kg/ha calcium nitrate + 80 l/ha phosphoric acid + 15 l/ha nitric acid + 20 l/ha humic acids + 10 l/ha viva aminoacids + 5 kg/ha mix Fe, Zn and Mg
- T2: 120 l/ha mix 26-08-00+Zn + 60 kg/ha calcium nitrate + 5 l/ha mix Fe, Zn and Mg + 15 l/ha nitric acid

Second application (2nd month):

- T1: 200 kg/ha mix urea, sulfoamin and sulfonitrate + 150 kg/ha formula 11-62-0 + 80 kg/ha potassium nitrate + 100 kg/ha magnesium nitrate + 150 kg/ha calcium nitrate + 50 l/ha Phosphoric acid + 25 l/ha nitric acid + 20 l/ha humic acids + 10 l/ha viva aminoacids + 10 kg/ha mix Fe, Zn and Mg
- T2: 280 l/ha mix 26-08-00+Zn + 45 kg/ha mix 08-15-25-5Mg + 10 l/ha mix Fe, Zn and Mg + 25 l/ha nitric acid + 29 kg/ha KTS® + 150 kg/ha calcium nitrate + 18 kg/ha magnesium sulfate + 21 kg/ha Zn sulfate

Third application (3rd month):

- T1: 100 kg/ha mix urea, sulfoamin and sulfonitrate + 150 kg/ha formula 11-62-0 + 80 kg/ha potassium nitrate + 25 kg/ha magnesium nitrate + 100 kg/ha calcium nitrate + 50 l/ha phosphoric acid + 25 l/ha nitric acid + 20 l/ha humic acids + 10 l/ha viva aminoacids + 10 kg/ha mix Fe, Zn and Mg + 73 kg/ha KTS® + 66 kg/ha N28
- T2: 258 l/ha mix 24-00-04+7S + 130 kg/ha mix 08-15-25-5Mg + 10 l/ha mix Fe, Zn and Mg + 25 l/ha nitric acid + 147 kg/ha KTS® + 100 kg/ha calcium nitrate + 18 kg/ha magnesium sulfate + 21 kg/ha Zn sulfate

RESULTS

Yield

An increase of 2.3 t/ha was observed due to the treatment with KTS compared with the check treatment.

TREATMENT	YIELD (T/HA)
T1: Check	14.9
T2: KTS®	17.2

Size

The KTS treatment showed an increase in length and diameter in 0.46 cm and 0.12 respectively.

TREATMENT	LENGTH (CM)	DIAMETER (CM)
T1: Check	10.02	3.29
T2: KTS®	10.48	3.41

CONCLUSION

The treatment with KTS was better in yield with an increase of 2.3 t/ha vs Check. KTS increased the size of the Jalapeno pepper.



Our experts are familiar with your region and crops.

Their support includes:

- Agronomic advice
- Providing technical information
- Carrying out field studies that are specific to your issues
- Providing application and storage tips

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