



Get to know potassium nitrate in citrus nutrient management

## GET TO KNO<sub>3</sub>W POTASSIUM NITRATE: IN CITRUS NUTRIENT MANAGEMENT

- KNO<sub>3</sub> increases marketable yields of larger-sized fruit with intense color, both applied as foliar spray or in fertigation.
- KNO<sub>3</sub> improves tree health and boosts tree's defenses against frost and harmful diseases like HLB (citrus greening).
- Nitrate nitrogen and potassium in KNO<sub>3</sub> are immediately available for direct uptake by the tree.

Fast acting, naturally-derived potassium nitrate improves nutrient and water use efficiency in specialty crops.

It is easy to mix, and is compatible with most nutrition programs.

High-quality, consistently formulated KNO<sub>3</sub> from SQM is readily available and backed by agronomic research validating its ability to help growers maintain productivity and maximize marketable yield.



### Higher yields

- Increased fruit weight and size
- Improved peel color
- Reduced peel defects (splitting, creasing)
- More sugars and higher vitamin C content



## Stronger trees

- Quicker recovery of weakened trees
- Improved nutrient and water use efficiency
- Increased ability to withstand stressors
- More flowers and fruits per tree

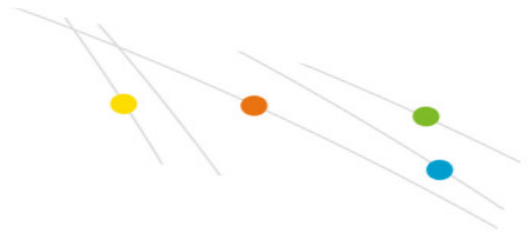


## Faster uptake

- $\text{KNO}_3$  is the only K-source that does not cause salt stress
- Synergism between  $\text{K}^+$  and  $\text{NO}_3^-$  ensures uptake
- Improved solubility
- Better tank mix compatibility

***$\text{KNO}_3$  maximizes citrus yield and profitability***

University of Florida research demonstrates that a  $\text{KNO}_3$ -based fertilizer program including three foliar applications of  $\text{KNO}_3$  at a rate of 25 lbs/A/spray applied pre-bloom (mid-February), post-bloom (April) and at fruit fill (July/August) increased yield and size of fresh market 'Valencia' orange when compared to an untreated control. Both the  $\text{KNO}_3$  based program and control program received standard recommended soil fertilizer applications 3 to 4 times throughout the season.



Treatment	#Fruit/tree	LSD 5%	#Boxes/A*	LSD 5%	TSS lbs/A	LSD 5%	Grower gross return/A**	LSD 5%
KNO <sub>3</sub>	378	a	335	a	2,489	a	\$4,873	a
Control	293	c	261	c	2,007	b	\$3,777	c

\* 1 box = 90 lbs

\*\*gross return based on fresh fruit market value

Source: boman, b.j. 2001. foliar nutrient sprays influence yield and size of 'Valencia' orange. proc. fla. state hort. soc. 114:83-

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