

ENCOURAGE



# NANOCAL

**SUB-MICRONIZED CALCIUM TO INCREASE CALCIUM AVAILABILITY, IMPROVE FRUIT AND TUBER DEVELOPMENT, STRENGTHEN CELL WALLS AND PROMOTE OVERALL CROP VIGOR**

## 4-0-1

### GUARANTEED ANALYSIS

Total Nitrogen (N).....	4.00%
4.0% Urea Nitrogen	
Soluble Potash (K <sub>2</sub> O).....	1.00%
Calcium (Ca).....	10.00%
Derived from urea, potassium hydroxide, and calcium carbonate.	

### ALSO CONTAINS NONPLANT FOOD INGREDIENT(S)

#### ACTIVE INGREDIENTS:

1.5%.....	Alcohols, C9-15, ethoxylated (wetting agent)
98.5%.....	Total inert ingredient (as a nonplant food)

ENCOURAGE NANOCAL is formulated with a calcium carbonate source with an average size larger than 100 nanometers, therefore, ENCOURAGE NANOCAL is not regulated nor administered as nanomaterial or nanosubstance under the Toxic Substance Control Act.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.html>

## MIX WELL BEFORE USE KEEP OUT OF REACH OF CHILDREN WARNING

Harmful if inhaled. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Keep away from flames and hot surfaces. No smoking. Wear protective gloves. Wear eye protection or face protection.

### FIRST AID

Call a POISON CENTER or doctor/physician if you feel unwell. For Chemical Emergency (spill, leak, fire or accident), call CHEMTREC (800) 424-9300  
**IF INHALED:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  
In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.



### MANUFACTURED BY:

Oro Agri, Inc.  
2788 S. Maple Ave., Fresno, CA 93725

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### DENSITY

11.10 lbs/gal @ 68°F

### NET WEIGHT

27.75 lbs (12.59 kg)

FL License #: F002559



*A member of the Omnia Group*

### NET CONTENTS:

## 2.5 US GAL (9.463 L)

## GENERAL INFORMATION

ENCOURAGE NANOICAL is a source of sub-micronized calcium to be applied at the initiation of fruit set to increase calcium availability, improve fruit and tuber development, strengthen cell walls and promote overall crop vigor. It is not meant to remedy calcium deficiency in soils. The calcium particles are milled to an average size of less than 1 micron to improve calcium availability.

- NANOICAL can be tank mixed with nutrient, PGR's or crop protection products.
- NANOICAL can be applied by ground or aerial equipment or chemigated by drop, pivot or sprinkler irrigation.

## DIRECTIONS FOR USE

Prior to use, read all the directions on this product label and the directions on the labels of any tank mix partners being used with NANOICAL. **USE RATES:** Apply 1-8 pints of NANOICAL per acre either as a soil or foliar treatment. **TIMING:** In general, apply NANOICAL just prior to fruit or tuber initiation.

Below are application timing guidelines for popular crop categories. If you have questions about a specific crop please contact your Oro Agri area manager or local Oro Agri retailer.

SOIL APPLICATIONS	CROP	SOIL APPLICATION TIMING
	Tree crops	Petal fall
	Vine fruits and vegetables	At bloom
	Grapes	At bloom
	Peanuts	At bloom
	Potatoes	At hook
	Ground fruit	At bloom

FOLIAR APPLICATIONS	CROP	FOLIAR APPLICATION TIMING	FOLLOW UP APPLICATIONS
	Tree crops	Petal fall	14 days
	Vine fruits and vegetables	Pre-bloom	Every 10-14 days
	Grapes	At fruit set	Every 7-14 days
	Leafy Vegetables	At bloom	Every 14 days
	Potatoes	At hook	Every 14 days
	Ground fruit	At bloom	Every 14 days
	Corn	V4 - V6	
	Soybeans	V2 - R2	

## MIXING DIRECTIONS

**Shake or agitate container thoroughly before mixing.** Thoroughly clean all spray mixing and application equipment prior to and following each use. If mixing for the first time a jar test for compatibility is recommended particularly if fertilizers are being tank mixed. **Mixing instructions for tank mix partners can supersede the following information (1-6):**

1. Fill the spray tank to 1/2 of the desired water volume and begin agitation;
2. If applicable, add wettable powders, dry flowables, then liquids;
3. Add NANOICAL;
4. Fill tank to 3/4 desired water volume;
5. Add any fertilizers;
6. Fill the tank to the final water volume and continue agitation during application.

## APPLICATION PRECAUTIONS

Applicator should spray and evaluate response for 48 hours prior to widespread usage. May cause staining on handler's apparel and hard surfaces. Application of certain nutrients during high temperatures may result in spraying or cosmetic injury of fruit or rind. Test all new tank mixes before widespread use. Do not apply directly to seed. To ensure thorough mixing, it is suggested that you recirculate mini tanks and bulk tanks or shake containers before using. Do not mix NANOICAL with undiluted tank mix partners until you have conducted a jar test in a separate container using the proportionate amount of NANOICAL to make sure the products are compatible. Agitate and let stand 10 minutes. Settling that does not disperse indicates an incompatible mixture. Do not use on crops or plants that are sensitive to surfactants. Do not mix with or add other surfactants.

## STORAGE AND DISPOSAL

**STORAGE:** Keep away from open flames, hot surfaces and sources of ignition. Store in a cool, dry, well-ventilated place out of direct sunlight. Store in original tightly closed container away from children, animals, foods, feeds and seeds. **PRODUCT AND CONTAINER DISPOSAL:** Do not allow this material to drain into sewers/water supplies. Empty containers or liners may retain some product residues. Triple rinse (or equivalent) during mixing and loading. Dispose of contents in accordance with local/regional/national/international regulations.

## NOTICE OF WARRANTY

**CONDITIONS OF SALE-LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES:** To be read prior to using this product. The directions should be followed carefully together with good application practice. Failure to do so may cause injury to crops, animals, man or the environment. Extraordinary or unusual weather conditions may affect product performance and/or crop injury which are beyond the control of Oro Agri, Inc. (the "Company") or seller. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the Directions For Use. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law. The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Company's election, ONE of the following: 1. Refund of the purchase price paid by buyer or user for product bought. 2. Replacement of the product used. To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The company/seller offer this product and the buyer/user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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