

# Katalyst®

CONCENTRATED FORMULA

0-0-25

GUARANTEED ANALYSIS

Soluble Potash (K<sub>2</sub>O)..... 25%  
Derived from potassium hydroxide

**ALSO CONTAINS NON-PLANT FOOD INGREDIENT(S)**  
**3% Organic Matter derived from leonardite.**

Warning. Causes eye irritation. Wash thoroughly after handling. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

Net Contents 2.5 gallons (9.5 liters), 27.4 lbs  
10.95 lbs. per gallon (1312 grams/liter) @ 68° F

actagro

ACTAGRO®, LLC  
4516 N. Howard Ave  
Kerman, CA 93630 USA  
877-843-2700

Copyright 2019 V. 110819

## DIRECTIONS FOR USE

Katalyst® can be applied to most vegetable and cucurbit crops, field and row crops, deciduous fruit and nut trees, grapes, berries, olives, avocados and citrus. All foliar applications should be as a dilute spray. May also be applied directly to soils or injected through irrigation systems where water quality is satisfactory to maintain solubility. Mixing with irrigation water for field storage is generally not recommended. Products blended with irrigation water should be used immediately and not stored for prolonged periods.

## FOLIAR APPLICATION RATES

**FIELD CROPS & ROW CROPS:** Apply 1 to 4 quarts per acre in enough water for thorough coverage, not to exceed a 2% (v/v) concentration of Katalyst® to water. Repeat applications every 2-4 weeks as needed. May be applied through center pivot irrigation systems.

**VEGETABLES & FRUIT CROPS, ORCHARDS & VINEYARDS:** Apply 1 to 4 quarts per acre in enough water for thorough coverage, not to exceed a 2% (v/v) concentration of Katalyst to water. Repeat applications every 2-4 weeks as needed. In grapes apply 1 to 4 quarts/a in enough water not to exceed 1.5% (v/v). Repeat every 2 weeks as needed.

## SOIL APPLICATION RATES

Katalyst® may be applied pre-plant, as a starter, side dress, fertigated, top dressed or banded to the soil. Dilute with water if needed to ensure uniform distribution. Katalyst® may be used as a pop-up or in-furrow at 1/4 to 1 gallon per acre (not to exceed 5 lbs/ac N+K<sub>2</sub>O+S on low CEC soils).

**FIELD & ROW CROPS, VEGETABLE & FRUIT CROPS:** Apply 1 to 30 gallons per acre in a surface or sub-surface band. Repeat applications may be beneficial. **ORCHARDS & VINEYARDS:** Inject 10 to 30 gallons per acre 3 to 5 inches deep at the drip line, or surface band and water into the soil. Repeat applications may be beneficial.

## FERTIGATION APPLICATION RATES

**FIELD & ROW CROPS, ORCHARDS & VINEYARDS, VEGETABLE & FRUIT CROPS:** Use 1 to 20 gallons per acre per irrigation. Continue irrigation for a minimum of 2 hours after application to flush lines and to maximize nutrient distribution with drip and microsprinkler use. Repeat applications may be beneficial. **APPLICATION THROUGH DRIP IRRIGATION** - inject after irrigation filter.

**TRANSPLANT WATER - FIELD & ROW CROPS, ORCHARDS & VINEYARDS, VEGETABLE & FRUIT CROPS:** Use 1 to 5 gallons per acre, not to exceed a 3% solution of Katalyst® to water.

## GENERAL INFORMATION

Katalyst® is non-phytotoxic when used as directed and is compatible with most commonly used pesticides and fertilizers.

**CAUTION:** Always check compatibility with other products prior to use. Do not mix with conventional products containing the salts of heavy metals. Do not mix with conventional calcium or magnesium fertilizers.

**CAUTION:** Foliar application of Katalyst® close to harvest may leave a brown residue on the harvestable portion of the crop. Rainfall, sprinkler irrigation or high humidity should alleviate this condition.

**WARRANTY:** Since weather, crops, soil and other conditions may vary, neither Actagro®, LLC, nor the Seller make a warranty of any kind, expressed or implied, concerning the use of this product. The user assumes all risk of use and handling whether or not in accordance with directions or suggestions.

**KEEP OUT OF REACH OF CHILDREN. HARMFUL IF SWALLOWED. AVOID CONTACT WITH SKIN, EYES OR CLOTHING.** In case of contact immediately flush skin, eyes or clothing with plenty of water for at least 15 minutes.

\*Not all Actagro® products are compatible with one another or when mixed with other fertilizers and/or pesticides on the market. A small scale compatibility test is recommended prior to mixing.

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

## MIXING INSTRUCTIONS

1. Partially fill tank with water and start agitation.
2. Add Katalyst® to circulating tank mix.
3. Add other nutrients or pesticides.
4. Fill tank and agitate thoroughly.

F001848

# Katalyst®

## CONCENTRATED FORMULA

0-0-25

### GUARANTEED ANALYSIS

Soluble Potash (K<sub>2</sub>O)..... 25%  
Derived from potassium hydroxide

**ALSO CONTAINS NON-PLANT FOOD INGREDIENT(S)**  
**3% Organic Matter derived from leonardite.**

Warning: Causes eye irritation. Wash thoroughly after handling. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Net Contents 5 gallons (18.9 liters), 57.8 lbs  
10.95 lbs. per gallon (1312 grams/liter) @ 68° F

Net Contents 265 gallons (1003.1 liters), 2902 lbs  
10.95 lbs. per gallon (1312 grams/liter) @ 68° F

actagro

### DIRECTIONS FOR USE

Katalyst® can be applied to most vegetable and cucurbit crops, field and row crops, deciduous fruit and nut trees, grapes, berries, olives, avocados and citrus. All foliar applications should be as a dilute spray. May also be applied directly to soils or injected through irrigation systems where water quality is satisfactory to maintain solubility. Mixing with irrigation water for field storage is generally not recommended. Products blended with irrigation water should be used immediately and not stored for prolonged periods.

### FOLIAR APPLICATION RATES

**FIELD CROPS & ROW CROPS:** Apply 1 to 4 quarts per acre in enough water for thorough coverage, not to exceed a 2% (v/v) concentration of Katalyst® to water. Repeat applications every 2-4 weeks as needed. May be applied through center pivot irrigation systems.

**VEGETABLES & FRUIT CROPS, ORCHARDS & VINEYARDS:** Apply 1 to 4 quarts per acre in enough water for thorough coverage, not to exceed a 2% (v/v) concentration of Katalyst to water. Repeat applications every 2-4 weeks as needed. In grapes apply 1 to 4 quarts/a in enough water not to exceed 1.5% (v/v). Repeat every 2 weeks as needed.

### SOIL APPLICATION RATES

Katalyst® may be applied pre-plant, as a starter, side dress, fertigated, top dressed or banded to the soil. Dilute with water if needed to ensure uniform distribution. Katalyst® may be used as a pop-up or in-furrow at 1/4 to 1 gallon per acre (not to exceed 5 lbs/ac N+K<sub>2</sub>O+S on low CEC soils).

**FIELD & ROW CROPS, VEGETABLE & FRUIT CROPS:** Apply 1 to 30 gallons per acre in a surface or sub-surface band. Repeat applications may be beneficial. **ORCHARDS & VINEYARDS:** Inject 10 to 30 gallons per acre 3 to 5 inches deep at the drip line, or surface band and water into the soil. Repeat applications may be beneficial.

### FERTIGATION APPLICATION RATES

**FIELD & ROW CROPS, ORCHARDS & VINEYARDS, VEGETABLE & FRUIT CROPS:** Use 1 to 20 gallons per acre per irrigation. Continue irrigation for a minimum of 2 hours after application to flush lines and to maximize nutrient distribution with drip and microsprinkler use. Repeat applications may be beneficial. **APPLICATION THROUGH DRIP IRRIGATION** - inject after irrigation filter.

**TRANSPLANT WATER - FIELD & ROW CROPS, ORCHARDS & VINEYARDS, VEGETABLE & FRUIT CROPS:** Use 1 to 5 gallons per acre, not to exceed a 3% solution of Katalyst® to water.

### GENERAL INFORMATION

Katalyst® is non-phytotoxic when used as directed and is compatible with most commonly used pesticides and fertilizers.

**CAUTION:** Always check compatibility with other products prior to use. Do not mix with conventional products containing the salts of heavy metals. Do not mix with conventional calcium or magnesium fertilizers.

**CAUTION:** Foliar application of Katalyst® close to harvest may leave a brown residue on the harvestable portion of the crop. Rainfall, sprinkler irrigation or high humidity should alleviate this condition.

**WARRANTY:** Since weather, crops, soil and other conditions may vary, neither Actagro®, LLC, nor the Seller make a warranty of any kind, expressed or implied, concerning the use of this product. The user assumes all risk of use and handling whether or not in accordance with directions or suggestions.

**KEEP OUT OF REACH OF CHILDREN. HARMFUL IF SWALLOWED. AVOID CONTACT WITH SKIN, EYES OR CLOTHING.** In case of contact immediately flush skin, eyes or clothing with plenty of water for at least 15 minutes.

\*Not all Actagro® products are compatible with one another or when mixed with other fertilizers and/or pesticides on the market. A small scale compatibility test is recommended prior to mixing.

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

### MIXING INSTRUCTIONS

1. Partially fill tank with water and start agitation.
2. Add Katalyst® to circulating tank mix.
3. Add other nutrients or pesticides.
4. Fill tank and agitate thoroughly.

ACTAGRO®, LLC  
4516 N. Howard Ave  
Kerman, CA 93630 USA  
877-843-2700  
Copyright 2019 V. 110819  
F001848