

# **APPLES - FRUIT LOOSENING (LATE MATURING VARIETIES IN THE EASTERN UNITED STATES - MATURING LATER THAN MCINTOSH)**

## General Information

### This Product:

Encourages faster coloration and maturity of APPLES, GRAPES, PEPPERS, and TOMATOES.

Loosens APPLES, CHERRIES, and WALNUTS for an earlier and more efficient harvest.

Encourages earlier, uniform coloring of mature FLUE-CURED TOBACCO.

Encourages fruit abscission (slipping) in CANTALOUPE.

Augments hardiness in dormant fruit buds and helps to delay the spring bloom of SWEET CHERRIES in the Pacific Northwest.

Accelerates the loosening and ripening of BLACKBERRIES.

Minimizes lodging in WHEAT and BARLEY.

Eliminates leafy mistletoe from ORNAMENTAL DECIDUOUS TREES and dwarf mistletoe from ORNAMENTAL CONIFERS.

Removes unwanted fruit on APPLE, CRABAPPLE, CAROB, and OLIVE trees.

## GENERAL INFORMATION

Contact your Extension Pomologist, Farm Advisor, Horticultural Specialist or Arysta LifeScience Representative for local recommendations on product spray volume, spray equipment and rates of application for varying weather conditions.

## APPLICATION VOLUMES AND SPRAY COVERAGE

For optimum product efficacy, thorough spray coverage is necessary. This can be influenced by type of spray equipment, spray boom setup, nozzle selection, plant size, canopy density and spray pressure. Depending on these choices, the necessary spray volume will vary. For applications by air in California and Arizona, more than 5 gallons per acre must be used.

## USE PRECAUTIONS

THE MIXTURE OF THIS PRODUCT WITH AMMONIUM THIOSULFATE IS PROHIBITED AS IT MAY CREATE TOXIC FUMES. Other than recommended on this label, this product should not be used with additives.

Upon mixture, this product should be applied as soon as possible; in no case should the spray solution be stored overnight.

Detrimental changes to plant growth, reduced yields, and plant injury may result from spray drift of this product to nearby crops and thus should be avoided. Do not plant another crop within 30 days after treatment.

This product is corrosive. Therefore, spills of concentrated product on the aircraft or other spray equipment should be avoided. Should such contact be made, immediately rinse with water.

## EQUIPMENT CLEANING

This product is corrosive. As a result, spray deposit exposure will, over a period of time, damage metal, some paints and acrylic plastics. No more than one hour after exposure to spray deposits, these materials should be carefully rinsed with water and detergent.

## Limitations, Restrictions, and Exceptions

### APPLES

This product, when applied as a foliar spray, will help to accelerate uniform ripening and loosen fruit, thereby decreasing the mechanical shaking force needed during harvest. This contributes to fruit quality, yield size, harvest efficiency, and minimizes injury to trees. This product will accelerate ripening and red coloration when applied along with FRUITONE® N to control pre-harvest drop. This product will contribute to formation of flower buds and restrict vegetative growth when applied

to young trees.

## FRUIT LOOSENING

LATE MATURING VARIETIES IN THE EASTERN UNITED STATES (maturing later than McIntosh)

### Instructions

This product should be applied 7-14 days before expected normal harvest time. It is necessary to maintain thorough spray coverage. As a result, this product should be applied as a foliar spray in plenty of water. Tree size and the application equipment will determine the optimal spray volume. Fruit treated with this product will reach picking time faster; as a result, check fruit maturity daily.

### Comments

- Different uses of this product as specifically directed will encourage: 1) Uniform coloration and ripening while not contributing to loosening, 2) development of flower buds on young trees, 3) fruit loosening, and/or 4) thinning and return bloom.
- This product should be applied at temperatures between 60°F and 90°F, except under the conditions of rising temperatures, you may treat at 50°F. Pre-harvest intervals will increase when lower temperatures are present. Warm daytime conditions will hasten loosening and ripening of fruit; however, color response will be diminished.
- Overripe fruit on trees should not be tolerated as such fruit may soften earlier once harvested. Be sure to check maturity and quality of any fruit to be sold at a fresh market. While fruit color may be an indicator of maturity, it is not enough: internal maturity should also be checked using a pressure gauge or other method. This product should not be applied to an area greater than can be harvested within 1-2 days. Fruit in good condition can be stored in cold-air storage.

## RESTRICTIONS

- Decreased fruit and yield size as well as thinning of fruit may result from use of this product.
- This product should not be used on trees with lowered strength, as it may result in excessive growth reduction. Double coverage should be avoided.
- Because return bloom and thinning may be influenced by environmental conditions, testing any one program on a small batch of trees at first is recommended.
- Newly-bearing young trees may be at risk of a reduction in fruit size and unwanted fruit thinning.

- It is necessary to maintain thorough coverage of the fruit and foliage. Use of a wetting agent is recommended to assist in the uniform wetting of crops.
- Grazing or feeding of cover crops to livestock is prohibited.
- When making application to accelerate maturity, a decrease in fruit size may result, particularly when fruit is small when treated.
- Decreased fruit size and quality may occur if treatment is made more than three weeks prior to the normal planned time for harvest.

#### Method

[Foliar spray](#)

Pre-Harvest Interval

7 days

Rates

[field\\_rates 0](#)

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Restricted Entry Interval

48 hours

The REI is 72 hours in areas where average rainfall is less than 25 inches per year.

Timings

[7 to 14 days prior to normal anticipated harvest.](#)