

# THINEX™

## Blossom Thinner

<b>Active Ingredients</b>	
Pelargonic Acid*.....	57.0%
Related Fatty Acids (C6-C12).....	3.0%
<b>Inert Ingredients.....</b>	<b>40.0%</b>
<b>TOTAL.....</b>	<b>100.0%</b>

\* This product contains 4.2 pounds of Pelargonic Acid per U.S. gallon.

**KEEP OUT OF REACH OF CHILDREN**

**WARNING - AVISO**

See side panel for additional precautionary statements.

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

EPA Registration No. 53219 - 11

EPA Establishment No. 44616-MO-01<sup>1</sup> 4091-CA-01<sup>2</sup> 4091-TN-03<sup>3</sup>  
Superscript corresponds to first number of lot number stamped on container

Net Content: 2.5 Gallons

THINEX is a trademark of Mycogen Corporation

This product and its use is protected by U.S. Patent No. 5242891



**Mycogen Corporation**  
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1-800-745-7476

**ACCEPTED**  
FEB 7 1996  
Under the Federal Insecticides,  
Fungicides, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 53219-11

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**PRECAUTIONARY STATEMENTS  
WARNING**

**Hazards to Humans and Domestic Animals:** Causes substantial but temporary eye injury. Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**First Aid:** If in eyes: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

If on skin: Wash with plenty of soap and water. Get medical attention.

If swallowed: Call a doctor or get medical attention. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, egg white, gelatin solution, or, if these are not available, large quantities of water. Avoid alcohol.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

**Environmental Hazards:** Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high watermark. Do not contaminate water when disposing of equipment washwaters.

**Personal Protective Equipment:** Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:** Long-sleeved shirt and long pants, chemical resistant-gloves such as barrier laminate, nitrile rubber, or neoprene rubber, shoes plus socks, and protective eyewear. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations:**

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

For emergency medical information, call toll free 1-800-228-5635 ext. 87

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard

Do not enter or allow worker reentry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, chemical resistant-gloves such as barrier laminate, nitrile rubber, or neoprene rubber, shoes plus socks, and protective eyewear.

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### GENERAL INFORMATION

THINEX™ is a blossom thinning agent for use on apple and pear (including nursery stock), and ornamental trees and shrubs. The formulation is based on naturally derived fatty acids. This product can improve fruit size, quality and promote return bloom the following year (annual bearing). THINEX can reduce or eliminate the fruit load on young trees allowing plant resources to be redirected into new vegetative growth. Results may vary depending on application timing, weather (particularly temperature), bloom uniformity, activity of pollinators, tree size and vigor.

### APPLICATION INSTRUCTIONS

THINEX™ may be applied by ground application only. Do not make more than 2 applications per year.

#### CHEMIGATION

Do not apply this product through any type of irrigation system.

#### EQUIPMENT

Use airblast orchard sprayers that will apply the spray solution in small uniform droplets to wet the blossom surface. Avoid large droplets in directed sprays which result in uneven coverage and cause runoff from the leaves and blossoms. Slower tractor speeds result in better coverage and thinning. Calibrate tractor speed, nozzles, whirl plates, and pressure to optimize spray coverage. DO NOT USE HANDGUNS.

#### RATES

Apply 2-2.5 pints of THINEX with 1-2 pints of Regulaid® per 100 gallons of spray solution. Rates of THINEX as low as 0.5 pints or as high as 4 pints may be used if previous experience indicates that they are safe and effective at a particular site or on a particular variety.

#### MIXING

Prepare fresh spray solutions daily. Mix spray solutions as follows: Fill the spray tank with one half the required amount of water. Add the proper amount of Regulaid®, THINEX, and complete filling to required capacity with water. Mix well. Foaming of the spray solution may occur. A defoaming agent can be added to prevent excessive foaming. Maintain agitation throughout the application.

#### TANK MIXING

This product is compatible with certain pesticides and plant growth regulators which include: MVP®, MVP II®, Match™, Dipel®, Promalin®, and Regulaid®.

Always pre-determine the compatibility of labeled tank mixtures of this product with other products in advance of application by performing a jar test using appropriate quantities of each product in a container and watching for adverse reactions. When tank mixing, add formulations in the following sequence: compatibility agent (if needed), wettable and soluble powders, flowable liquids, emulsifiable concentrates, and THINEX.

**TANK MIXING THIS PRODUCT WITH OTHER PESTICIDES OR PLANT GROWTH REGULATORS SHOULD BE GOVERNED BY THE MOST RESTRICTIVE LABEL INSTRUCTIONS OR PRECAUTIONS OF ANY PRODUCT IN THE MIXTURE. THIS PRODUCT SHOULD NOT BE USED WITH PRODUCTS THAT PROHIBIT SUCH USE.**

#### SPRAY VOLUME

Complete wetting of blossoms is essential for effective, uniform thinning. Use clean spray water and apply with airblast spray equipment to provide thorough coverage. DO NOT USE HANDGUNS. Use 200-400 gallons of water per acre. Spray volume will vary depending on tree size, shape, spacing and management practices. Adjust volume to insure that flowers are sprayed to wet. DO NOT SPRAY TO RUN OFF.

#### TIMING

Higher temperatures (>60 degrees F) promote better thinning. To achieve best results, apply during the day when temperatures are warmer. Avoid applications at night or when overcast, humid or rainy conditions prevent the application from drying properly.

### USE RECOMMENDATIONS

#### CROPS

##### • Apple

For Use On Varieties Such As: Akane, Baldwin, Braeburn, Carousel, Cortland, Empire, Fuji, Gala, Golden Delicious, Granny Smith, Gravenstein, Grimes Golden, Jonagold, Jonamac, Jonathan, Macintosh, Macoun, Mutsu, Newtown, Northern Spy, Olenburg (Dutchess), Pippin, Pink Lady, Red Astrachan, Red Delicious, Rhode Island Greening, Rome, Sansa, Stayman, Wealthy, Williams Early Red, Winesap, Winter Banana, Yellow Newton, Yellow Transparent, and York.

Optimum timing will vary depending on the variety. In most cases, apply when enough blossoms have been pollinated to make a crop (when approximately 65% to 80% of the blossoms are open). Target application timing to newly opened side blooms prior to set, and after pollination of the king bloom. A follow-up application may be necessary to achieve the desired level of thinning. Avoid applications after full bloom.

The following rates and associated spray volumes are recommended based on spray volumes which produce no runoff from leaf or bloom surfaces:

RATE OF THINEX (pints/100 gallons spray solution )	SPRAY VOLUME (GPA)
2.0	300-400 For large trees with wide spacing only
2.25	250-300
2.5	200-250
3-4	100-200

REGULAID® Apply 1-2 pints/100 gallons of spray solution

##### • Pear

For Use On Varieties Such As: Asian, Anjou, Bartlett and Bosc .

Optimum timing will vary depending on the variety. In most cases, apply when enough blossoms have been pollinated to make a crop. Apply after 30-100% of the blossoms are open. A second follow-up application may be necessary to achieve the desired level of thinning. Avoid applications after full bloom.

The following rates and associated spray volumes are recommended based on spray volumes which produce no runoff from leaf or bloom surfaces:

RATE OF THINEX (pints/100 gallons spray solution )	SPRAY VOLUME (GPA)
2.0	200-400 For large trees with wide spacing only
2.25	200-300
2.5	200-250
3-4	100-200

REGULAID® Apply 1-2 pints/100 gallons of spray solution

#### NEWLY PLANTED ORCHARDS/NURSERY STOCK (Apple and Pear Only)

Use of this product may reduce or eliminate the fruit load on young trees allowing plant resources to be redirected into new vegetative growth. Start applications at first flowering and make repeat applications as needed to prevent pollination.

## ORNAMENTAL TREES AND SHRUBS

THINEX can be used to reduce or eliminate the fruit formation on ornamental trees. Start applications at first flowering and make repeat applications as needed to prevent pollination.

### AVOIDING FRUIT INJURY

Potential for fruit damage and/or leaf burning may vary depending on application timing, application equipment, weather, variety and cultivar. To avoid injury:

- Do not apply after fruit has formed.
- Avoid application in high water volumes which result in excessive runoff from the blooms. NEVER USE MORE THAN 400 GPA.
- DO NOT USE HANDGUNS.
- Avoid applications at night or when overcast, humid or rainy conditions prevent the application from drying properly.
- Do not tank mix with other pesticides, plant growth regulators or foliar nutrients unless previous use of tank-mix material has resulted in no fruit marking or phytotoxicity.
- Many adjuvants, with the exception of REGULAID®, can lead to excessive blossom thinning and fruit injury when tank mixed with THINEX. If an adjuvant has not been used previously with THINEX, always test the mixture on a few test plants prior to full scale application.
- Adjuvants applied with growth regulators may predispose plants to fruit marking if followed with an application of THINEX under poor drying conditions. Avoid sequential applications until plants and fruit have thoroughly dried.
- Varieties will vary in their sensitivity to fruit marking. Do not treat extensive acreage without previous experience using THINEX on that variety.
- Avoid overspraying on turns and adjacent rows.
- Do not allow spray to drift on other crops.
- Clean spray equipment well before and after application.

### STORAGE AND DISPOSAL

Do not contaminate water, feed or foodstuffs by storage or disposal.

**Storage:** Keep container tightly sealed when not in use. Store only in original container in a dry place inaccessible to children and pets.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Do not reuse empty container. Triple rinse, then offer for recycling or reconditioning, or puncture and dispose of in sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### LIMIT OF WARRANTY AND LIABILITY

This product conforms to the description on this label and is reasonably fit for the purpose set forth on this label when used according to the label directions and under the specified label conditions. THE MANUFACTURER DISCLAIMS ANY AND ALL OTHER EXPRESS OR IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE. Buyer and all users assume all risks and responsibility for loss or damage if this product is used, stored, handled or applied under any condition not reasonably foreseeable or beyond the manufacturer's control, or not as explicitly set forth in this label. THE LIMIT OF THE MANUFACTURER'S LIABILITY SHALL BE THE PURCHASE PRICE FOR THE QUANTITY INVOLVED. IN NO EVENT SHALL THE MANUFACTURER BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.

REGULAID is a registered trademark of Kalo, Inc.  
MVP and MVP II are registered trademarks of Mycogen Corporation  
Match is a trademark of Mycogen Corporation  
Dipef and Promalin are registered trademarks of Abbott Laboratories