Total Label USA

Proof Approval

PRODUCT NUMBER

416735

COLORS

BOOK

Cyan Magenta Yellow Black

BASE

Cyan Magenta Yellow Black

COMPANY
Fine Americas, Inc.

LABEL DESCRIPTION
Pro-Hex 5lb Book

LABEL PART NUMBER

LABEL SIZE
5.2500" x 4.7240"

STOCK
White Bopp

FINISH
Gloss Laminate

DATE
12/19/2018

BARCODE

ADDITIONAL INFORMATION

NOTE: Per my signature, I have read the information contained on this proof approval form including, but not limited to, copy, barcode number, color and size. I understand that my signature confirms that the information is my responsibility and is correct and labels will be produced according to this signed document.

Color proofs are not true representations of color. Use for color breaks only.

☐ **APPROVED**

☐ **CHANGES**
(please mark below)

Signature/Date

NOTES:

SEE FOLLOWING PAGES FOR ARTWORK

PRO-HEX

Plant growth regulator for use on apples, grass grown for seeds*, peanuts*, and sweet cherries

*Not for use in California

Active Ingredient: Prohexadione-calcium**
[calcium 3-oxido-5-oxo-4-propionyl cyclohex-3-enecarboxylate] 27.5%
Other Ingredients: 72.5%
Total: 100.0%
**Equivalent to 1.42 pounds of active ingredient per pound of product

Net Contents: 5 lb (2.27kg)

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID	
IF SWALLOWED	• Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious person
IF ON SKIN OR CLOTHING	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Poison Control Hotline at 1-800-222-1222 for emergency medical treatment information 24 hours a day, seven days a week.	

See inside panel for additional Precautionary Statements

EPA Reg. No. 62097-41-71089
EPA Est. No. 39578-TX-001

Manufactured for:
GENESIS AGRO • PRODUCTS INC.
Warehouse: 2522 Old Town Road,
Union Gap, Washington 98903

FIRST AID	
IF SWALLOWED	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Poison Control Hotline at 1-800-222-1222 for emergency medical treatment information 24 hours a day, seven days a week.	

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE items separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

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 the label about personal protective equipment (PPE) and restricted entry intervals. The requirements in this box only apply to uses of this product covered by the Worker Protection Standard.

Do no enter or allow entry into treated areas during the restricted entry interval level (REI) of 12 hours unless wearing appropriate PPE.

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
- Shoes plus socks
- Chemical resistant gloves made of any waterproof material

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 requirement specific to your state or tribe, consult the state or tribal agency responsible for pesticide regulation.

PRO-HEX is a plant growth regulator which inhibits the biosynthesis of gibberellins. Inhibition of gibberellin reduces vegetative growth.

- Thorough spray coverage of plant foliage is necessary for good uptake.
- The performance of PRO-HEX can be affected by many factors including: crop growth stage, environmental conditions and crop vigor due to moisture availability, fertility level, etc.
- Correct timing of application is critical. Apply PRO-HEX to actively growing trees at rates and stages of growth listed in this label.
- Add one pound of a spray grade ammonium sulfate (AMS) for every pound of PRO-HEX.
- Use a standard spray adjuvant, preferably a non-ionic surfactant, to improve leaf coverage and performance consistency. Follow the manufacturer's rate directions.
- Rainfall within 1 hour of application on grass grown for seed and within 8 hours for apples, peanuts, and sweet cherries may reduce the efficacy of PRO-HEX.
- Clean spray equipment thoroughly using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions before and after applying PRO-HEX.

Restrictions

- **DO NOT** apply to crops under stress due to lack of moisture, hail damage, flooding, mechanical injury, or injury caused by other prior products, i.e., phytotoxicity.
- **DO NOT** apply this product through any type of irrigation system.
- This product cannot be used to formulate or reformulate any other pesticide product.

Tank Mixing Information:

Testing has shown that PRO-HEX when used in combination with AMS and a wide range of adjuvants does not result in phytotoxicity. PRO-HEX has shown to be compatible with many commonly used fungicides and insecticides. However, not all crop varieties and cultivars have been tested with possible tank-mix combinations. Since local conditions can influence crop sensitivity, test any tank-mix combination on a small portion of the crop to be treated to ensure crop safety. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all products involved in tank-mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Mixing Order:

1. Fill spray tank half full with clean water and begin agitation.
2. Place any product contained in a water-soluble PVA bag into the tank and make sure the bag(s) have fully dissolved before continuing.
3. Add Ammonium Sulfate (AMS).
4. Add PRO-HEX.
5. Add any water dispersible formulations, i.e., Water Dispersible Granules, Wettable Powders, Suspension Concentrates, etc.
6. Add adjuvants.
7. Add any water soluble products, i.e., Soluble Powders, Soluble Liquids, Emulsifiable Concentrates, etc.
8. Add remaining quantity of water and continue agitation through application.

Maintain constant agitation during application.

Note: If calcium or boron are tank mixed with PRO-HEX, the resulting growth control may be less favorable.

Mandatory Spray Drift

Aerial Applications

- Do not release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For all applications, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

Ground Applications

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

Spray Drift Advisories

- THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
- BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.
- IMPORTANCE OF DROPLET SIZE
  An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size - Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Controlling Droplet Size - Aircraft

- Adjust Nozzles - Follow nozzle manufacturer's recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.
- BOOM HEIGHT - Ground Boom
  Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.
- RELEASE HEIGHT - Aircraft
  Higher release heights increase the potential for spray drift. When applying aerially to crops, do not release spray at a height greater than 10 feet above the crop canopy, unless a greater application height is necessary for pilot safety.
- SHIELDED SPRAYERS
  Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.
- TEMPERATURE AND HUMIDITY
  When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

- TEMPERATURE INVERSIONS
  Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.
- WIND
  Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
  Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

APPLICATION INSTRUCTIONS

APPLES:

PRO-HEX can be used as a production management tool on apples to suppress vegetative growth, i.e., shoot growth reduction, resulting in a balance between canopy development and fruit production. Growth suppression with PRO-HEX generally lasts for 2-5 weeks per application. PRO-HEX does not affect vegetative growth the year following application.

Benefits resulting from the use of PRO-HEX include:

- Reduction in vegetative shoot growth
- Lessens the need or frequency for summer and/or dormant pruning
- Improved fruit color in red or bi-color apple varieties due to better light penetration into the tree canopy
- Reduced incidence and severity of fire blight of shoots

During years when both PRO-HEX and products containing gibberellins, e.g., Novagib® 10L (EPA Reg. No. 62097-7-82917) are used, reductions in efficacy may occur in the PRO-HEX and/or gibberellin treatments.

The use of PRO-HEX may result in an increase in fruit retention. Therefore, thinning programs may need to be adjusted when using PRO-HEX.

When used as directed, PRO-HEX will reduce the incidence and severity of fire blight infection of shoots and leaves, i.e., shoot blight, by reducing vegetative growth, thus decreasing host susceptibility. This decrease in susceptibility will not become effective until approximately 10 days after application. PRO-HEX does not have direct antibiotic activity against the fire blight bacteria (*Erwinia amylovora*) and is not effective for the suppression of blossom blight. For maximum reduction in fire blight susceptibility, apply PRO-HEX at least 10 days before the occurrence of weather conditions favorable for shoot and leaf infections, and used as one component of a comprehensive control strategy against fire blight.

Application Timings:

Early Timings for Reducing Shoot/Fire Blight: Early applications of PRO-HEX can be made to help reduce shoot/fire blight infestations. Research has shown that these early applications of prohexadione calcium can help reduce the incidence and severity of fire blight in shoots. PRO-HEX does not act directly on the fire blight and needs to be used as part of an overall program for controlling fire blight in orchards. For best results, make the first application at Pink stage with subsequent applications made at 1-4 week intervals. These early applications can also reduce shoot growth in the early part of the growing season.

The amount of shoot growth reduction observed following these early applications may vary due to variety, root stock, age of trees, growing conditions and production programs used in each orchard. The rate, number of applications and application interval may vary by orchard due to the amount of fire/shoot blight pressure in the orchard and the vigor of the trees present. The applications made at this early stage would be considered part of the overall vegetative growth suppression/control program for the trees in the orchard for that production year.

Vegetative Growth Control: For vegetative growth control, make the first application of PRO-HEX when shoots have 1-3" of new growth. For best results, make subsequent applications at 1-4 week intervals, before or immediately following signs of shoot regrowth.

Number of Applications: The number of applications will vary depending on the timing of the first application, tree vigor, fruit load, pruning, variety, rootstock, and/or the management history of the orchard. For apple orchards in locations with a long growing season or on high vigor trees and/or trees with light fruit load, 3 to 5 applications per year may be required.

Tree Vigor: Adjust the PRO-HEX rate according to the vegetative vigor of the trees (see Table 1). Vegetative vigor can be influenced by many factors, including variety, rootstock, fruit load, cultural management and location.

Tree Size: Calculate the rate per acre of PRO-HEX based on tree size. Base the application rate on the volume of water needed to spray the trees to drip i.e. dilute spray or Tree Row Volume (TRV). Consult your local extension agent or consultant for advice on spray volume.

Application Rates: Specified rates will be based on desired treatment effect, i.e., vegetative growth control, shoot blight suppression, etc. For vegetative growth control, base PRO-HEX rates on level of tree vigor and/or length of growing season. Refer to Table 1 for directed rates per application.

For consistent performance on apples, add one pound of a spray grade ammonium sulfate (AMS) for every pound of PRO-HEX. Use a standard spray adjuvant, preferably a non-ionic surfactant, to improve leaf coverage and performance consistency. Follow the manufacturer's rate directions.

Table 1. Specified Application Rates on Apples

Desired Treatment Effect	Rate per Acre[1]	Application Directions
Early Season application for reduction of fire blight incidence & severity in shoots and shoot growth reduction	2-6 oz (0.03-0.11 lbs ai)	• Apply beginning at Pink stage. Make subsequent applications at 1-4 week intervals to help suppress fire blight infestations. These applications will also reduce early season shoot growth.
Growth Reduction on Medium to High Vigor Trees	18-36 oz (0.31-0.62 lbs ai)	• Apply at 1-3" of new shoot growth. • Make subsequent applications at 1-4 week intervals and before or immediately after shoot regrowth occurs.
Growth Reduction on Low Vigor Trees	9-24 oz (0.16-0.41 lbs ai)	• Apply at 1-3" of new shoot growth. • Make subsequent applications at 1-4 week intervals and before or immediately after shoot regrowth occurs.
Growth Reduction During Long Growing Season	9-24 oz (0.16-0.41 lbs ai)	• Apply at 1-3" of new shoot growth. • Make a second and third application at 7-14 day intervals. • Make subsequent applications as needed at 10-14 day intervals.
To Decrease June Drop on Trees With Light Bloom	30-36 oz (0.51-0.62 lbs ai)	• Apply at 1-3" of new shoot growth.
To Shape Tree Canopy	See footnote 2	• Apply at 1-3" of new shoot growth. • Direct the spray to the portion of the tree where growth control is desired.
To Reduce Fire Blight Infections of Shoot by Decreasing Vegetative Growth	18-36 oz (0.31-0.62 lbs ai)	• Apply at 1-3" of new shoot growth. • Make a second application if new shoot growth occurs.

[1] Based on 300 gallons of dilute spray per acre.
[2]Apply 6-12 oz of PRO-HEX (0.10-0.21 lbs ai) per 100 gallons of dilute spray until run-off.

Ground Application: Apply PRO-HEX to actively growing trees using calibrated ground equipment. PRO-HEX may be applied using either dilute or concentrate spray equipment as long as sufficient spray coverage is achieved. Direct spray to the portion of the tree where growth control is desired. To achieve good coverage, apply PRO-HEX in a sufficient spray volume per acre utilizing proper spray pressure, nozzles, nozzle spacing and tractor speed.

Aerial Application (all approved states except California): Apply PRO-HEX in a minimum of 10 gallons of spray solution per broadcast acre. Aerial applications generally only provide spray coverage in the top part of the tree canopy. Vegetative growth control will be limited to those areas of the canopy that receive spray coverage.

Special Directions for Vegetative Growth Control on Apples Grown in Idaho, Oregon and Washington: Apply PRO-HEX to actively growing trees according to the tree size, rates and application timings listed in Table 2. It is important to take into consideration the size and vigor of the trees when determining the spray volume and application frequency, timing and rate required to achieve vegetative growth control. Spray volumes are based on the amount of solution required to thoroughly wet the tree foliage to the point of runoff. Consult your local extension agent or consultant for a recommendation on spray volume.

Table 2. Specified Application Rates for Vegetative Growth Control of Apples in Idaho, Oregon or Washington.

Apple Tree Size	Rate per Acre[1]	Application Directions
Small Trees (8-10 feet tall on dwarf rootstocks)	6-12 oz (0.10-0.21 lbs ai)	Apply at 1-3" of new shoot growth. Make subsequent applications at 1-4 week intervals when shoots show signs of regrowth. High vigor trees may require more frequent applications through the growing season.
Medium Trees (10-14 feet tall on semi-dwarf rootstocks)	6-18 oz (0.10-0.31 lbs ai)	
Large Trees (greater than 14 feet tall on standard non-dwarf rootstocks)	18-24 oz (0.31-0.41 lbs ai)	

[1]Spray volumes must be a minimum of 100 gallons per acre and increase as necessary to achieve thorough canopy coverage.

Limitations on Apples:
- PRO-HEX is rainfast 8 hours after application.
- The active ingredient in PRO-HEX has been shown to increase fruit cracking on apple varieties such as Empire and Stayman, which are known to be prone to cracking.

Restrictions on Apples:
- **DO NOT** apply more than 36 oz per acre of PRO-HEX (0.62 lbs ai acre) per application.
- **DO NOT** apply more than a total of 99 oz per acre of PRO-HEX (1.7 lbs ai per acre) per acre per year.
- **DO NOT** apply more than a total of 48 oz per acre of PRO-HEX (0.83 lbs ai acre) within any 21-day interval.

- **DO NOT** make more than 16 applications of 6 oz of PRO-HEX (0.11 lbs ai) per acre per year or more than 2 applications of 36 oz of PRO-HEX (0.62 lbs ai) per acre per year.
- **DO NOT** retreat in less than 1 week.
- **DO NOT** apply within 45 days before harvest.
- **DO NOT** apply to crops that show injury (leaf phytotoxicity) produced by any other prior pesticide applications because this injury can be enhanced or prolonged.
- **Restricted Entry Interval (REI):** 12 hours.

GRASS GROWN FOR SEED (all approved states except California):

PRO-HEX can be used as a production management tool on grass grown for seed production to suppress vegetative growth i.e. shorten internode length, resulting in a lower potential for lodging. Reducing lodging can result in improved pollination, increased seed set and improved yields. PRO-HEX must be absorbed by foliage to be effective. Always use sufficient spray volume to thoroughly wet the leaves without runoff. The growth regulator effects of PRO-HEX do not occur by soil uptake. PRO-HEX does not affect vegetative growth the following year.

For consistent performance on grass grown for seed, add one pound of a spray grade ammonium sulfate (AMS) for every pound of PRO-HEX. Use a standard spray adjuvant, preferably a non-ionic surfactant, to improve leaf coverage and performance consistency. Follow the manufacturer's rate directions.

Refer to Table 3 for application rates and timings of PRO-HEX to reduce vegetative growth in grass grown for seed.

Table 3. Application Rates and Timings for Vegetative Growth Control in Grass Grown for Seed.

Application Timing	Application Rate per Acre
Single application: • Apply from flag leaf emergence up to early heading growth stage.	14-29 oz (0.24-0.50 lbs ai)
Split applications: • Apply from flag leaf emergence up to early heading growth stage. • Make a second application 7-10 days later when new growth occurs.	7-14 oz (0.12-0.24 lbs ai)

Ground Application: Use a minimum of 10 gallons of spray solution per broadcast acre.

Aerial Application: Use a minimum of 10 gallons of spray solution per acre.

Suppression of Annual Bluegrass in Washington, Oregon, Idaho and Utah:
PRO-HEX can be used to for the suppression of annual bluegrass in grass grown for seed production. For maximum suppression, annual bluegrass must be sprayed when in the flowering stage, and must receive thorough coverage. PRO-HEX may not be effective against some annual bluegrass biotypes.

Limitation on Grass Grown for Seed:
- PRO-HEX is rainfast 1 hour after application.

Restrictions on Grass Grown for Seed:
- **DO NOT** apply more than 29 oz of PRO-HEX (0.50 lbs ai) per acre per application.
- **DO NOT** apply more than a total of 29 oz (0.50 lbs ai) of PRO-HEX per acre, per year.
- **DO NOT** retreat in less than 1 week.
- **DO NOT** make more than 2 applications of 14 oz of PRO-HEX (0.24 lbs ai) per acre per year or more than 1 application of 29 oz of PRO-HEX (0.50 lbs ai) per acre per year.
- **DO NOT** apply within 35 days before harvest.
- **DO NOT** graze livestock for 49 days following application.
- **DO NOT** cut forage or hay for livestock feed for 49 days following application.
- Plant-back/rotation restriction: If replanting or crop rotation is necessary in fields treated with PRO-HEX, **DO NOT** plant any crop other than grass grown for seed for 30 days following application.
- **Restricted Entry Interval (REI):** 12 hours.

PEANUTS (all approved states except California):
PRO-HEX can be used as a production management tool on peanuts to suppress vegetative growth i.e. shorten internode length, resulting in better harvest efficiency. PRO-HEX does not affect vegetative growth the year following application.

For consistent performance on peanuts, add one pound of a spray grade ammonium sulfate (AMS) for every pound of PRO-HEX. Use a standard spray adjuvant, preferably a non-ionic surfactant, to improve leaf coverage and performance consistency. If PRO-HEX is being applied without a tank-mix partner, a non-phytotoxic crop oil concentrate (COC) can be used in place of a non-ionic surfactant. Always follow the manufacturer's rate directions.

Apply PRO-HEX to actively growing peanut plants according to the rates directed in Table 4. Initially apply 7.25 ounces (0.13 lbs ai) per acre when 50% of the peanut stems are touching the row middle i.e. row closure. Make a second application at 100% row closure, as needed. Under conditions that are favorable to extremely rank growth, a third application may be required. Make PRO-HEX applications prior to loss of visual row pattern. Crops under stress due to lack of moisture, hail damage, flooding, mechanical injury, etc. will show little response to PRO-HEX.

Table 4. Application Rates and Timings for Vegetative Growth Control in Peanuts.

Application Timing	Application Rate per Acre
First application: • Apply when 50% of the peanut stems are touching in row middle (row closure).	7.25 oz (0.13 lbs ai)
Second application: • Make a second application at 100% row closure as needed.	3.6-7.25 oz (0.06-0.13 lbs ai)

Ground Application: Use a minimum of 20 gallons of spray solution per broadcast acre.

Limitation on Peanuts:

- PRO-HEX is rainfast 8 hours after application.

Restrictions on Peanuts:

- **DO NOT** apply more than 7.25 oz of PRO-HEX per acre (0.13 lbs ai) per application.
- **DO NOT** apply more than a total of 21.75 oz of PRO-HEX (0.38 lbs ai) per acre per year.
- **DO NOT** retreat in less than 1 week
- **DO NOT** make more than 2 applications of PRO-HEX in less than 6 weeks.
- Following the initial application of 7.25 oz per acre, **DO NOT** make more than 2 subsequent applications of 7.25 oz of PRO-HEX per acre per year or more than 4 applications of 3.6 oz (0.06 lbs ai) of PRO-HEX per acre per year.
- **DO NOT** make more than 2 applications of PRO-HEX per acre per year.
- **DO NOT** treat within 25 days before harvest.
- **DO NOT** graze or feed livestock treated crops.
- **DO NOT** apply PRO-HEX on peanuts by air.
- **DO NOT** apply to crops under stress due to lack of moisture, hail damage, flooding, herbicide injury, or mechanical injury as reduced activity may result.
- **DO NOT** apply to crops that show injury (leaf phytotoxicity or plant stunting) produced by any other prior product applications because this injury can be enhanced or prolonged.
- Plant back/rotation restriction: If replanting or crop rotation is necessary in fields treated with PRO-HEX, **DO NOT** plant any crop other than peanuts for 30 days following the last application.
- **Restricted Entry Interval (REI):** 12 hours.

SWEET CHERRIES:

PRO-HEX can be used as a production management tool on sweet cherries to suppress vegetative growth i.e. shoot growth reduction, which can reduce or delay the need for pruning. PRO-HEX does not affect vegetative growth the year following application.

For consistent performance on sweet cherries, add one pound of a spray grade ammonium sulfate (AMS) for every pound of PRO-HEX. Use a standard spray adjuvant, preferably a non-ionic surfactant, to improve leaf coverage and performance consistency. Follow the manufacturer's rate directions.

Apply PRO-HEX to sweet cherries according to the rates directed in **Table 5**. Make the first application of PRO-HEX in the spring when shoots have 1-3" of new growth. If additional vegetative growth control is needed, make subsequent applications at 1 to 4 week intervals, before or immediately following signs of shoot regrowth.

Number of Applications: The number of applications will vary depending on the timing of the first application, tree vigor, fruit load, pruning, variety, rootstock, and/or the management history of the orchard. For sweet cherry orchards in locations with a long growing season or on high vigor trees and/or trees with light fruit load, 3-5 applications per season may be required.

Table 5. Application Rates for Vegetative Growth Control in Sweet Cherries

Tree Vigor	Application Rate per Acre	Restrictions
High Vigor Trees	8-20 oz (0.14-0.34 lbs ai)	• **DO NOT** apply more than 20 oz/A (0.34 lbs ai) within any 14-day interval. • **DO NOT** apply more than 40 oz/A 0.63 lbs ai) per year.
Medium Vigor Trees	8-12 oz (CA only) (0.14-0.21 lbs ai) 6-12 oz (all other states) (0.10-0.21 lbs ai)	• **DO NOT** apply more than 12 oz/A (0.75 lbs ai) within any 14-day interval. • **DO NOT** apply more than 30 oz/A (1.88 lbs ai) per year.
Low Vigor Trees	Not applicable	• **DO NOT** apply PRO-HEX to low vigor trees.

Ground Application: Apply PRO-HEX to actively growing trees using calibrated ground equipment. PRO-HEX may be applied using either dilute or concentrate spray equipment as long as sufficient spray coverage is achieved. To achieve good coverage, apply PRO-HEX in a sufficient spray volume per acre utilizing proper spray pressure, nozzles, nozzle spacing and tractor speed.

Aerial Application (all approved states except California): Apply PRO-HEX in a minimum of 10 gallons of spray solution per broadcast acre. Aerial applications generally only provide spray coverage in the top part of the tree canopy. Vegetative growth control will be limited to those areas of the canopy that receive spray coverage.

Limitation on Sweet Cherries:

- PRO-HEX is rainfast 8 hours after application.

Restrictions on Sweet Cherries:

- **DO NOT** apply more than 40 oz of PRO-HEX (0.69 lbs ai) per acre per year as outlined in the **Application Rates for Vegetative Growth Control in Sweet Cherries** table in this label.
- **DO NOT** apply more than a total of 20 oz of PRO-HEX (0.34 lbs ai) per acre in any 14-day interval.
- **DO NOT** apply more than 20 oz of PRO-HEX (0.34 lbs ai) per acre per application.
- **DO NOT** retreat in less than 1 week.
- **DO NOT** make more than 5 applications of 8 oz of PRO-HEX (0.14 lbs ai) per acre per year or more than 1 application of 20 oz of PRO-HEX (0.34 lbs ai) per acre per year for High Vigor Trees.
- **DO NOT** make more than 5 applications of 6 oz of PRO-HEX (0.11 lbs ai) per acre per year or more than 1 application of 12 oz of PRO-HEX (0.21 lbs ai) per acre per year for Medium Vigor Trees.
- **DO NOT** apply within 20 days before harvest.
- **Restricted Entry Interval (REI)**: 12 hours.
- **DO NOT** use PRO-HEX on tart cherries.
- **DO NOT** apply to crops that show injury (leaf phytotoxicity) produced by any other prior pesticide applications because this injury can be enhanced or prolonged. Refer to Tank Mixing Information for additional tank mixing instructions and precautions.
- **DO NOT** apply PRO-HEX on low vigor trees.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container only. After partial use, close the container tightly. Store in a secure place that is cool and dry. Use spray and stock solutions within 24 hours. Immediate use is required if another component is added to the spray solution.

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

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, if available, or puncture or dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

G.S. Long Company warrants that this Product conforms to the specifications on this label. To the extent consistent with applicable law, G.S. Long Company makes no other warranties and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for a particular purpose. No agent of G.S. Long Company or any other person is authorized to make any representation or warranty beyond those contained herein.

It is impossible to eliminate all risks associated with this Product. Plant injury, lack of performance, or other unintended consequences may result because of factors such as abnormal weather conditions, use of the Product other than in strict accordance with this label's instructions, presence of other materials, the manner of application or other factors, all of which are beyond the control of G.S. Long Company or the seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

To the extent consistent with applicable law: 1) G.S. Long Company disclaims any liability whatsoever for special, incidental or consequential damages resulting from the handling or use of this Product and 2) G.S. Long Company's liability under this label shall be limited to the amount of the purchase price or, at the election of G.S. Long Company, the free replacement of the Product.

PRO-HEX

Plant growth regulator for use on apples, grass grown for seeds*, peanuts*, and sweet cherries

*Not for use in California

Active Ingredient: Prohexadione-calcium**
[calcium 3-oxido-5-oxo-4-propionyl cyclohex-3-enecarboxylate] 27.5%
Other Ingredients: 72.5%
Total: 100.0%

**Equivalent to 1.42 pounds of active ingredient per pound of product

Net Contents: 5 lb (2.27kg)

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID	
IF SWALLOWED	• Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious person
IF ON SKIN OR CLOTHING	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Poison Control Hotline at 1-800-222-1222 for emergency medical treatment information 24 hours a day, seven days a week.	

See inside panel for additional Precautionary Statements

EPA Reg. No. 62097-41-71089
EPA Est. No. 39578-TX-001

Manufactured for:
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