



# Pro Hex 27.5% WDG

Plant Growth Regulator for Use on Apples, Grass Grown For Seed\*, and Peanuts\*

\*Not for use in California.

| Active Ingredient:   | % By Weight   |
|--|---------------|
| Prohexadione-calcium**: calcium 3-oxido-5-oxo-4-propionylcyclohex-3-enecarboxylate ..... | 27.5%         |
| Other Ingredients:.....  | 72.5%         |
| <b>Total:</b> .....  | <b>100.0%</b> |

\*\*Equivalent to 0.275 pound of active ingredient per pound of product.

## KEEP OUT OF REACH OF CHILDREN CAUTION / PRECAUCIÓN

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

### FIRST AID

|                                |   |
|--------------------------------|---|
| <b>IF SWALLOWED:</b>           | <ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li><li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li></ul> |
| <b>IF ON SKIN OR CLOTHING:</b> | <ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>   |
| <b>IF IN EYES:</b>             | <ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>   |

### HOTLINE NUMBERS

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For 24-Hour Medical Emergency Assistance (Human or Animal), call: 1-800-222-1222. For Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), call CHEMTREC: 1-800-424-9300.

See label booklet for complete Precautionary Statements, Directions For Use, and Storage and Disposal.

EPA Reg. No.: 93809-6

EPA Est. No.: 66876-OR-001

**Manufactured For:**  
Axill Solutions, LLC  
422 Jasmine Way  
Roseburg, OR 97471

**Net Contents: 5 pounds**

Job 189780

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed. Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

##### Applicators and other handlers must wear:

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

##### User Safety Requirements

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

#### 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.

#### 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 clothing.

#### 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 water or rinsate.

**ENDANGERED SPECIES CONCERNS:** The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of Federal Law.

## 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 entry into treated areas during the restricted-entry interval (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, including plants, soil, or water, is:

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

#### PRODUCT INFORMATION

**Axill Solutions Pro Hex 27.5% WDG** 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 **Axill Solutions Pro Hex 27.5% WDG** 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 **Axill Solutions Pro Hex 27.5% WDG** to actively growing trees at rates and stages of growth listed in this label.
- Add 1 pound of a spray grade ammonium sulfate (AMS) for every pound of **Axill Solutions Pro Hex 27.5% WDG**.
- 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 and peanuts may reduce the efficacy of **Axill Solutions Pro Hex 27.5% WDG**.
- Clean spray equipment thoroughly using a strong detergent or commercial sprayer cleaner according to the manufacturer's directions before and after applying **Axill Solutions Pro Hex 27.5% WDG**.

#### 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.

## MANDATORY SPRAY DRIFT MANAGEMENT

### Aerial Applications:

- **DO NOT** release spray at a height greater than 10 feet 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 specified by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a medium or coarser spray 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.

### Ground Boom Applications:

- Apply with the nozzle height specified 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 manufacturers directions for setting up nozzles. To reduce fine droplets, nozzles must 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 must 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 ft. 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.

**Orchard Airblast Applications**

Sprays should be directed into the canopy. User should turn off outward pointing nozzles at row ends and when spraying outer row.

**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.

**Boom-less Ground Applications**

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

**Handheld Technology Applications**

Take precautions to minimize spray drift.

### TANK MIXING INFORMATION

Testing has shown that **Axill Solutions Pro Hex 27.5% WDG** when used in combination with AMS and a wide range of adjuvants does not result in phytotoxicity. **Axill Solutions Pro Hex 27.5% WDG** 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 product labels 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 **Axill Solutions Pro Hex 27.5% WDG**.
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 **Axill Solutions Pro Hex 27.5% WDG**, the resulting growth control may be less than favorable.

## APPLICATION INFORMATION

### APPLES

**Axill Solutions Pro Hex 27.5% WDG** 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 **Axill Solutions Pro Hex 27.5% WDG** generally lasts for 2 - 5 weeks per application. **Axill Solutions Pro Hex 27.5% WDG** does not affect vegetative growth the year following application.

Benefits resulting from the use of **Axill Solutions Pro Hex 27.5% WDG** 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 **Axill Solutions Pro Hex 27.5% WDG** and products containing gibberellins, e.g., Novagib® 10L (EPA Reg. No. 62097-7) are used, reductions in efficacy may occur in the **Axill Solutions Pro Hex 27.5% WDG** and/or gibberellin treatments.

The use of **Axill Solutions Pro Hex 27.5% WDG** may result in an increase in fruit retention. Therefore, thinning programs may need to be adjusted when using **Axill Solutions Pro Hex 27.5% WDG**.

When used as directed, **Axill Solutions Pro Hex 27.5% WDG** 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. **Axill Solutions Pro Hex 27.5% WDG** 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 **Axill Solutions Pro Hex 27.5% WDG** at least 10 days before the occurrence of weather conditions favorable for shoot and leaf infections, and used as 1 component of a comprehensive control strategy against fire blight.

#### Application Timings

**Early Timings for Reducing Shoot/Fire Blight:** Early applications of **Axill Solutions Pro Hex 27.5% WDG** 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. **Axill Solutions Pro Hex 27.5% WDG** 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- to 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 **Axill Solutions Pro Hex 27.5% WDG** when shoots have 1" - 3" of new growth. For best results, 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 apple orchards in locations with a long growing season or on high vigor trees and/or trees with light fruit load, 3 - 5 applications per year may be required.

### **Tree Vigor**

Adjust the **Axill Solutions Pro Hex 27.5% WDG** 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 **Axill Solutions Pro Hex 27.5% WDG** 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 **Axill Solutions Pro Hex 27.5% WDG** 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 1 lb. of a spray grade ammonium sulfate (AMS) for every pound of **Axill Solutions Pro Hex 27.5% WDG**. 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*                        | Application Directions  |
|---|---------------------------------------|---|
| Early Season application for reduction of fire blight incidence and severity in shoots and shoot growth reduction   | 2 - 6 oz.<br>(0.03 - 0.11 lb. a.i.)   | <ul style="list-style-type: none"> <li>Apply beginning at Pink stage. Make subsequent applications at 1- to 4-week intervals to help suppress fire blight infestations. These applications will also reduce early season shoot growth.</li> </ul> |
| Growth Reduction on Medium to High Vigor Trees  | 18 - 36 oz.<br>(0.31 - 0.62 lb. a.i.) | <ul style="list-style-type: none"> <li>Apply at 1" - 3" of new shoot growth.</li> <li>Make subsequent applications at 1- to 4-week intervals and before or immediately after shoot regrowth occurs.</li> </ul>                                    |
| Growth Reduction on Low Vigor Trees   | 9 - 24 oz.<br>(0.16 - 0.41 lb. a.i.)  | <ul style="list-style-type: none"> <li>Apply at 1" - 3" of new shoot growth.</li> <li>Make subsequent applications at 1- to 4-week intervals and before or immediately after shoot regrowth occurs.</li> </ul>                                    |
| Growth Reduction During Long Growing Season   | 9 - 24 oz.<br>(0.16 - 0.41 lb. a.i.)  | <ul style="list-style-type: none"> <li>Apply at 1" - 3" of new shoot growth.</li> <li>Make a second and third application at 7- to 14-day intervals.</li> <li>Make subsequent applications as needed at 10- to 14-day intervals.</li> </ul>       |
| To Decrease June Drop on Trees With Light Bloom   | 30 - 36 oz.<br>(0.51 - 0.62 lb. a.i.) | <ul style="list-style-type: none"> <li>Apply at 1" - 3" of new shoot growth.</li> </ul>   |
| To Shape Tree Canopy  | See footnote 1.                       | <ul style="list-style-type: none"> <li>Apply at 1" - 3" of new shoot growth.</li> <li>Direct the spray to the portion of the tree where growth control is desired.</li> </ul>   |
| To Reduce Fire Blight Infections of Shoot by Decreasing Vegetative Growth   | 18 - 36 oz.<br>(0.31 - 0.62 lb. a.i.) | <ul style="list-style-type: none"> <li>Apply at 1" - 3" of new shoot growth.</li> <li>Make a second application if new shoot growth occurs.</li> </ul>  |
| <p>*Based on 300 gals. of dilute spray per acre.<br/>                     †Apply 6 - 12 oz. (0.1 - 0.21 lb. a.i.) of <b>Axill Solutions Pro Hex 27.5% WDG</b> per 100 gals. of dilute spray until runoff.</p> |                                       |   |

### Ground Application

Apply **Axill Solutions Pro Hex 27.5% WDG** to actively growing trees using calibrated ground equipment. **Axill Solutions Pro Hex 27.5% WDG** 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 **Axill Solutions Pro Hex 27.5% WDG** 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 **Axill Solutions Pro Hex 27.5% WDG** in a minimum of 10 gals. 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 **Axill Solutions Pro Hex 27.5% WDG** 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 advice 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*                        | Application Directions   |
|--|---------------------------------------|--|
| Small Trees<br>(8 - 10 ft. tall on dwarf rootstocks)                       | 6 - 12 oz.<br>(0.1 - 0.21 lb. a.i.)   | Apply at 1" - 3" of new shoot growth. Make subsequent applications at 1- to 4-week intervals when shoots show signs of regrowth. |
| Medium Trees<br>(10 - 14 ft. tall on semi-dwarf rootstocks)                | 6 - 18 oz.<br>(0.1 - 0.31 lb. a.i.)   |  |
| Large Trees<br>(greater than 14 ft. tall on standard non-dwarf rootstocks) | 18 - 24 oz.<br>(0.31 - 0.41 lb. a.i.) | High vigor trees may require more frequent applications through the growing season.  |

\*Spray volumes must be a minimum of 100 gals. per acre and increase as necessary to achieve thorough canopy coverage.

### Precautions - Apples:

- **Axill Solutions Pro Hex 27.5% WDG** is rainfast 8 hours after application.
- The active ingredient in **Axill Solutions Pro Hex 27.5% WDG** has been shown to increase fruit cracking on apple varieties, for example, Empire and Stayman, which are known to be prone to cracking.

### Restrictions - Apples:

- **DO NOT** apply more than 36 oz. (0.62 lb. a.i.) of **Axill Solutions Pro Hex 27.5% WDG** per acre per application.
- **DO NOT** apply more than a total of 99 oz. (1.7 lbs. a.i.) of **Axill Solutions Pro Hex 27.5% WDG** per acre per year.

- **DO NOT** apply more than a total of 48 oz. (0.83 lb. a.i.) of **Axill Solutions Pro Hex 27.5% WDG** per acre within any 21-day interval.
- **DO NOT** make more than 16 applications of 6 oz. (0.11 lb. a.i.) of **Axill Solutions Pro Hex 27.5% WDG** per acre per year or more than 2 applications of 36 oz. (0.62 lb. a.i.) of **Axill Solutions Pro Hex 27.5% WDG** per acre per year. The rate applied for individual applications may vary depending on conditions, age of trees and vigor of trees, but the overall rate applied per acre per year may still not exceed 99 oz. (1.7 lbs. a.i.) of **Axill Solutions Pro Hex 27.5% WDG**.
- **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.

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**GRASS GROWN FOR SEED**  
(All Approved States except California)

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**Axill Solutions Pro Hex 27.5% WDG** 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. **Axill Solutions Pro Hex 27.5% WDG** 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 **Axill Solutions Pro Hex 27.5% WDG** do not occur by soil uptake.

**Axill Solutions Pro Hex 27.5% WDG** does not affect vegetative growth the following year.

For consistent performance on grass grown for seed, add 1 lb. of a spray grade ammonium sulfate (AMS) for every pound of **Axill Solutions Pro Hex 27.5% WDG**. 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 **Axill Solutions Pro Hex 27.5% WDG** 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            |
|---|--------------------------------------|
| <b>Single Application:</b> Apply from flag leaf emergence up to early heading growth stage.   | 14 - 29 oz.<br>(0.24 - 0.5 lb. a.i.) |
| <b>Split Applications:</b> 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.<br>(0.12 - 0.24 lb. a.i.) |

**Ground Application**

Use a minimum of 10 gals. of spray solution per broadcast acre.

**Aerial Application**

Use a minimum of 10 gals. of spray solution per acre.

### Suppression of Annual Bluegrass in Washington, Oregon, Idaho, and Utah

**Axill Solutions Pro Hex 27.5% WDG** 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. **Axill Solutions Pro Hex 27.5% WDG** may not be effective against some annual bluegrass biotypes.

#### Precautions - Grass Grown for Seed:

- **Axill Solutions Pro Hex 27.5% WDG** is rainfast 1 hour after application.

#### Restrictions - Grass Grown for Seed:

- **DO NOT** apply more than 29 oz. (0.5 lb. a.i.) of **Axill Solutions Pro Hex 27.5% WDG** per acre per application.
- **DO NOT** apply more than a total of 29 oz. (0.5 lb. a.i.) of **Axill Solutions Pro Hex 27.5% WDG** per acre, per year.
- **DO NOT** retreat in less than 1 week.
- **DO NOT** make more than 2 applications of 14 oz. (0.24 lb. a.i.) of **Axill Solutions Pro Hex 27.5% WDG** per acre per year or more than 1 application of 29 oz. (0.5 lb. a.i.) of **Axill Solutions Pro Hex 27.5% WDG** 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 **Axill Solutions Pro Hex 27.5% WDG**, **DO NOT** plant any crop other than grass grown for seed for 30 days following application.

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### PEANUTS

(All Approved States except California)

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**Axill Solutions Pro Hex 27.5% WDG** can be used as a production management tool on peanuts to suppress vegetative growth i.e. shorten internode length, resulting in better harvest efficiency. **Axill Solutions Pro Hex 27.5% WDG** does not affect vegetative growth the year following application.

For consistent performance on peanuts, add 1 lb. of a spray grade ammonium sulfate (AMS) for every pound of **Axill Solutions Pro Hex 27.5% WDG**. Use a standard spray adjuvant, preferably a non-ionic surfactant, to improve leaf coverage and performance consistency. If **Axill Solutions Pro Hex 27.5% WDG** 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 **Axill Solutions Pro Hex 27.5% WDG** to actively growing peanut plants according to the rates directed in **Table 4**. Initially apply 7.25 oz. (0.13 lb. a.i.) of **Axill Solutions Pro Hex 27.5% WDG** 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 **Axill Solutions Pro Hex 27.5% WDG** 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 **Axill Solutions Pro Hex 27.5% WDG**.

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

| <b>Application Timing</b>  | <b>Application Rate per Acre</b>         |
|--|--|
| <b>First Application:</b> Apply when 50% of the peanut stems are touching in row middle (row closure). | 7.25 oz.<br>(0.13 lb. a.i.)              |
| <b>Second Application:</b> Make a second application at 100% row closure as needed.                    | 3.6 - 7.25 oz.<br>(0.06 - 0.13 lb. a.i.) |

**Ground Application**

Use a minimum of 20 gals. of spray solution per broadcast acre.

**Precautions - Peanuts:**

- **Axill Solutions Pro Hex 27.5% WDG** is rainfast 8 hours after application.

**Restrictions - Peanuts:**

- **DO NOT** apply more than 7.25 oz. (0.13 lb. a.i.) of **Axill Solutions Pro Hex 27.5% WDG** per acre per application.
- **DO NOT** apply more than a total of 21.75 oz. (0.38 lb. a.i.) of **Axill Solutions Pro Hex 27.5% WDG** per acre per year.
- **DO NOT** retreat in less than 1 week.
- **DO NOT** make more than 2 applications of **Axill Solutions Pro Hex 27.5% WDG** in less than 6 weeks.
- Following the initial application of 7.25 oz. (0.13 lb. a.i.) per acre, **DO NOT** make more than 2 subsequent applications of 7.25 oz. (0.13 lb. a.i.) of **Axill Solutions Pro Hex 27.5% WDG** per acre per year or more than 4 applications of 3.6 oz. (0.06 lb. a.i.) of **Axill Solutions Pro Hex 27.5% WDG** per acre per year.
- **DO NOT** treat within 25 days before harvest.
- **DO NOT** graze or feed livestock treated crops.
- **DO NOT** apply **Axill Solutions Pro Hex 27.5% WDG** 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 **Axill Solutions Pro Hex 27.5% WDG**, **DO NOT** plant any crop other than peanuts for 30 days following the last application.

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

### **CONTAINER HANDLING:**

**Non-Refillable Plastic Containers (Capacity Equal to or Less Than 50 Pounds):** Non-refillable 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. 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, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration, or by other procedures approved by State and local authorities.

**Non-Refillable Plastic Containers (Capacity Greater Than 50 Pounds):** Non-refillable 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. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration, or by other procedures approved by State and local authorities.

**Non-Refillable Plastic Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):** Non-refillable container. **DO NOT** reuse or refill this container. Clean container promptly after emptying the contents from this container into application equipment or mix tank and before final disposal using the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration, or by other procedures approved by State and local authorities.

*(continued)*

## STORAGE AND DISPOSAL *(continued)*

### **CONTAINER HANDLING:** *(continued)*

**Non-Refillable Plastic Bags, Fiber Sacks including Flexible Intermediate Bulk Containers (FIBC) or Fiber Drums with Liners:** Non-refillable container. **DO NOT** reuse or refill this container. Completely empty paper or plastic bag, fiber sack or drum liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Offer for recycling, if available, or dispose empty paper or plastic bag, fiber sack or fiber drum and liner in a sanitary landfill or by incineration, or by other procedures approved by State and local authorities.

**Refillable Fiber Drums with Liners:** Refillable container (fiber drum only). Refilling Fiber Drum: Refill this fiber drum with this pesticide only. **DO NOT** reuse this fiber drum for any other purpose. Cleaning before refilling is the responsibility of the refiller. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Disposing of Fiber Drum and/or Liner: **DO NOT** reuse this fiber drum for any other purpose other than refilling (see preceding). Cleaning the container (liner and/or fiber drum) before final disposal is the responsibility of the person disposing of the container. Offer the liner for recycling if available or dispose of liner in a sanitary landfill, or by incineration.

**DO NOT** burn, unless allowed by State and local ordinances. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner. To clean the fiber drum before final disposal, completely empty the fiber drum by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Then offer the fiber drum for recycling if available or dispose of in a sanitary landfill or by incineration, or by other procedures approved by State and local authorities.

**All Other Refillable Containers:** Refillable container. Refilling Container: Refill this container with this pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage including cracks, punctures, abrasions, worn out threads and closure devices. Check for leaks after refilling and before transporting. Disposing of Container: **DO NOT** reuse this container for any other purpose other than refilling (see preceding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, use the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration, or by other procedures approved by State and local authorities.

#### CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Axill Solutions, LLC or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Axill Solutions, LLC and Seller harmless for any claims relating to such factors.

Axill Solutions, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Axill Solutions, LLC, and Buyer and User assume the risk of any such use. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, AXILL SOLUTIONS, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

To the extent consistent with applicable law, neither Axill Solutions, LLC nor Seller shall be liable for any incidental, consequential, or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF AXILL SOLUTIONS, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF AXILL SOLUTIONS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Axill Solutions, LLC and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Axill Solutions, LLC.

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06212021



# Axill Solutions Pro Hex 27.5% WDG

Plant Growth Regulator for Use on  
Apples, Grass Grown For Seed\*, and Peanuts\*

\*Not for use in California.

| Active Ingredient:              | % By Weight   |
|---------------------------------|---|
| Prohexadione-calcium**:         | calcium 3-oxido-5-oxo-4-propionylcyclohex-3-enecarboxylate..... 27.5% |
| <b>Other Ingredients:</b> ..... | 72.5%   |
| <b>Total:</b> .....             | <b>100.0%</b>   |

\*\*Equivalent to 0.275 pound of active ingredient per pound of product.

EPA Reg. No.: 93809-6

EPA Est. No.: 66876-OR-001

## KEEP OUT OF REACH OF CHILDREN CAUTION / PRECAUCIÓN

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

### 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 do so 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.

#### HOTLINE NUMBERS:

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For 24-Hour Medical Emergency Assistance (Human or Animal), call: 1-800-222-1222. For Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), call CHEMTREC: 1-800-424-9300.

### PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

#### 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 water or rinsate.

**ENDANGERED SPECIES CONCERNS:** The use of any pesticide in a manner that may kill or otherwise harm an endangered species or adversely modify their habitat is a violation of Federal Law.

### STORAGE AND DISPOSAL

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See label booklet for complete Precautionary Statements and Directions For Use.

#### Manufactured For:

Axill Solutions, LLC  
422 Jasmine Way  
Roseburg, OR 97471

**Net Contents: 5 pounds**

PEEL BACK BOOK HERE

PF 189780

# PROOF

## THIS PROOF IS TO BE CHECKED FOR ACCURACY

Please review and approve **Text, Spelling, Copy Placement, Size, Shape, Colors** and **Dieline**.

**Authorized signature** accepts responsibility for accuracy of all copy, color break and artwork. Cimarron Label is not liable for any discrepancies subsequently identified.

**PLEASE NOTE:** Due to color variance between printers/monitors, the colors represented by this proof cannot be deemed accurate. Please refer to a color matching system such as the Pantone Matching System for a truer representation of spot colors.

**THIS PROOF IS NOT ACCURATE FOR COLOR-MATCH.**





*Dieline does not print.*

 **Cimarron Label**

Experts in Extended Text Labeling

4201 North Westport Ave. • Sioux Falls, SD 57107

Phone: (605) 978-0451 • Fax: (605) 978-0463

| DATE   | JOB NUMBER   | CUSTOMER   |
|--|--|--|
| 8/27/21  | 189780   | Axill Solutions, LLC   |
| LABEL SIZE   | BOOKLET SIZE   |  |
| 4.75" x 5.5"   | 4.5" x 4.5"  |  |
| LABEL COLORS   | BOOKLET OUTSIDE COLORS   | BOOKLET INSIDE COLORS  |
| <br>BLK | <br>BLK <br>1815 | <br>BLK |
| PATTERN VARNISH: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO     |  |  |

Form: CS 006B - 3/29/2017

**ARTWORK IS APPROVED**

**REVISED PROOF NEEDED**

**WE CANNOT PROCESS  
THIS ORDER WITHOUT AN  
AUTHORIZED SIGNATURE**

Signed \_\_\_\_\_ Date \_\_\_\_\_