

# **PIXOVERE™**



Contains chlorantraniliprole, the active ingredient used in Prevathon® Insect Control.

<b>ACTIVE INGREDIENT:</b>	<b>(% by weight)</b>
Chlorantraniliprole 3-Bromo-N-[4-chloro-2-methyl-6-[(methylamino)carbonyl]phenyl]-1-(3-chloro-2-pyridinyl)-1H-pyrazole-5-carboxamide .....	5.0%
<b>OTHER INGREDIENTS:</b> .....	95.0%
<b>TOTAL</b> .....	100.0%

Contains 0.43 lb. active ingredient per gallon.

**Pixovere™** is a suspension concentrate. SHAKE WELL BEFORE USING

EPA Reg. No.: 91234-363

Not registered for sale, sale into, distribution and/or use in Nassau, Suffolk, Kings, and Queens counties of New York state.

## KEEP OUT OF REACH OF CHILDREN

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.)

See inside label booklet for First Aid, Precautionary Statements, and Directions for Use.

<b>FIRST AID</b>
<b>HOT LINE NUMBER</b>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall at <b>1-844-685-9173</b> for emergency medical treatment information.

### For Chemical Emergency:

Spill, Leak, Fire, Exposure, or Accident,

Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

**Pixovere™** is not manufactured, or distributed by FMC Corporation, seller of Prevathon® Insect Control.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

When used as directed this product does not present a hazard to humans or domestic animals.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Shoes plus socks.

After the product has been diluted in accordance with label directions for use, shirt, pants, socks, and shoes are sufficient Personal Protective Equipment. Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables exist, use soap 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.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic invertebrates, oysters, and shrimp. Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to use sites.

#### Surface Water Advisory

This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of chlorantraniliprole from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

#### Ground Water Advisory

This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

## DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

**Pixovere** must be used only in accordance with the directions on this label, or as otherwise permitted by FIFRA. Always read the entire label, including the Limitation of Warranty and Liability.

**Pixovere** may be used on crops on this label grown for seed production.

SHAKE WELL BEFORE USING

#### RESTRICTIONS

- Do not treat plants grown for transplanting. Not for use in nurseries, plant propagation houses, or greenhouses by commercial transplant producers on plants being grown for transplanting.
- This product is for commercial use only.
- Not for use on ornamental plants or plants being grown for ornamental purposes.
- Not for residential use.
- Do not apply **Pixovere** through any irrigation system unless specified in this label or in supplemental labeling.

#### For New York State Only:

The following restrictions are required to permit use of **Pixovere** in the State of New York:

- This product may not be applied within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).
- Aerial application of this product is prohibited.
- Do not apply more than 0.2 lb. chlorantraniliprole per acre per calendar year.
- Not registered for sale, sale into, distribution and/or use in Nassau, Suffolk, Kings, and Queens counties of New York state.

### AGRICULTURAL USE REQUIREMENTS

**Pixovere** must be used 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, restricted-entry interval, and notification to workers (as applicable).

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 State or Tribal agency responsible for regulation.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

For early entry into 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, wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

**Pixovere** is a suspension concentrate that can be applied as a foliar application to control listed insects. **Pixovere** is mixed with water for application.

**Pixovere** is a member of the anthranilic diamide class of insecticides with a novel mode of action acting on insect ryanodine receptors. Although **Pixovere** has contact activity, it is most effective through ingestion of treated plant material. After exposure to **Pixovere**, affected insects will rapidly stop feeding, become paralyzed, and typically die within 1 - 3 days. Time applications to the most susceptible insect pest stage, typically at egg lay to egg hatch and/or newly hatched larvae before populations reach damaging levels.

### INTEGRATED PEST MANAGEMENT

Atticus, LLC supports the use of Integrated Pest Management (IPM) programs to control pests. This product may be used as part of an IPM program, which can include biological, cultural, and genetic practices, aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, rotation of insecticides with different modes-of-action, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop or site systems in your area.

### SCOUTING

Monitor insect populations to determine whether or not there is a need for application of **Pixovere** based on locally determined economic thresholds and pest management guidelines. More than one treatment of **Pixovere** may be required to control a population of pests.



## INSECT RESISTANCE MANAGEMENT

For resistance management, **Pixovere** is a Group 28 Insecticide. Repeated and exclusive use of **Pixovere** (chlorantraniliprole) or other Group 28 insecticide belonging to the anthranilic diamide class of chemistry may lead to the buildup of resistant strains of insects in some crops.

Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, this product may be used as part of a resistance management strategy established for the use area. These strategies may include incorporation of cultural and biological control practices, alternation of mode-of-action classes of insecticides on succeeding generations, and targeting the most susceptible life stage. Consult your local or state agricultural authorities for details.

Unless directed otherwise in the specific crop/pest sections of this label, the best practices are to follow these instructions to delay the development of insecticide resistance:

- Avoid using the same mode of action (IRAC group number) on consecutive generations of insect pests.
- Apply **Pixovere** or other Group 28 insecticides using a “treatment window” approach to avoid exposure of successive insect pest generations to the same mode of action.
- A “treatment window” is defined as the period of residual activity provided by single or sequential applications of products with the same mode of action. This “treatment window” should not exceed approximately the length of one generation of the target pest.
- Within the “Group 28 treatment window”, make no more than 2 applications of **Pixovere** or other Group 28 insecticides within a single generation of the target pest on a crop or within a 30 day period to the same insect species on a crop.
- Following a “Group 28 treatment window”, rotate to a treatment window of effective products with a different mode of action. This “Non-Group 28 Window” should approximate the duration of one generation of the target pest. Target the most susceptible insect life stages, whenever possible.
- Avoid using less than the labeled rates of **Pixovere** when applied alone or in tank mixtures.
- Monitor insect populations for product effectiveness.

If resistance to **Pixovere** develops in your area, **Pixovere** or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local Atticus, LLC representative or agricultural advisor for the best alternate method of control for your area. For additional information on insect resistance monitoring, visit the Insecticide Resistance Action Committee (IRAC) on the web at <http://www.irac-online.org>.

## APPLICATION

Apply at the specified rates when insect populations reach locally determined economic thresholds. Consult the cooperative extension service, professional consultants or other qualified authorities to determine appropriate threshold levels for treatment in your area.

Apply follow-up treatments of **Pixovere**, as specified, to keep pest populations within threshold limits. Refer to the Insect Resistance Management section of this label for further guidance on follow-up treatments. See individual crop sections of this label for specific minimum spray intervals.

Use sufficient water to obtain thorough, uniform coverage. Because **Pixovere** is most effective through ingestion of treated plant material, thorough spray coverage is essential for optimum control of targeted pest insects. Using increased water volumes will typically result in better spray coverage, especially under adverse conditions such as dry, hot weather or dense plant foliage.

**Pixovere** can be applied by ground or aerial application equipment. Not all application methods are allowed on all crops; see specific crop sections of this label for which application methods may be used. See **CHEMIGATION USING OVERHEAD SPRINKLER SYSTEMS** section for instructions on overhead sprinkler chemigation. For aerial application use the following directions unless otherwise specified in specific crop/pest sections of this label or EPA-approved supplemental labeling: use a minimum of 2 gallons per acre (gpa) of water. For all other application methods use the following directions, unless otherwise specified in specific crop/pest sections of this label or EPA-approved supplemental labeling: use a minimum of 10 gal per acre (GPA) of water for all crops.

**Use of Adjuvants** - In some situations where coverage is difficult to achieve such as closed canopy, dense foliage, plants with waxy leaf surfaces, or less than optimum application equipment, an adjuvant may improve performance. Use only adjuvant products that are labeled for agricultural use and follow the directions on the manufacturer's label. Always conduct a premix test for compatibility. Use a proven adjuvant that does not affect foliage and/or fruit finish. Refer to specific crop sections of this label for additional adjuvant guidance.

## SPRAY PREPARATION

Spray equipment must be clean and free of previous pesticide deposits before applying **Pixovere**. Fill spray tank 1/4 to 1/2 full of water. Add **Pixovere** directly to spray tank. Mix thoroughly to fully disperse the insecticide, once dispersed continued agitation is required. Use mechanical or hydraulic means; do not use air agitation. Do not store spray mix solutions overnight in spray tank. 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.

**Compatibility** - Since formulations may be changed and new ones introduced, premix a small quantity of a desired tank mix and observe for possible adverse changes (settling out, flocculation, etc.).

This product can be mixed with pesticide products labeled for use on crops on this label in accordance with the most restrictive of label limitations and precautions. Do not exceed labeled dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing.

**Tank Mixtures and Crop Safety** - Crop varieties can differ in their responsiveness to tank mixtures, and environmental conditions can have an influence on product performance and crop response. It is not possible to test **Pixovere** alone or with all possible tank mix combinations on all varieties under all environmental conditions. When considering the use of a tank mixture on a labeled crop without prior experience, or which is not specifically described on **Pixovere** product labeling or in other Atticus, LLC product use instruction, it is important to check crop safety first. To test for crop safety, prepare a small volume of the intended tank mixture, apply it to an area of the target crop as directed by both this and the tank mix partner product labels, and observe the treated crop to ensure that a phytotoxic response does not occur.

Use of **Pixovere** in any tank mixture applications that is not specifically described on **Pixovere** product labeling or in other Atticus, LLC product use instructions, could potentially result in crop injury. Follow the precautions on this label and on the label for any other product to be used in tank mixtures before making such applications to your crops. Follow the most restrictive labeling. Atticus, LLC will not be responsible for any crop injury arising from the use of a tank mixture that is not specifically described on **Pixovere** product labeling or in other Atticus, LLC product use instruction.

**Tank Mixing Sequence** - Add different formulation types in the sequence indicated below\*. Allow time for complete mixing and dispersion after addition of each product.

1. Water soluble bag.
2. Water dispersible granules.
3. Wettable powders.
4. **Pixovere** and other water based suspension concentrates.
5. Water-soluble concentrates.
6. Oil based suspension concentrates.
7. Emulsifiable concentrates.
8. Adjuvants, surfactants, oils.
9. Soluble fertilizers.
10. Drift retardants.

\*Unless otherwise specified by manufacturer directions for use or by local experience.



## SPRAY TANK CLEANOUT

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove.

Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom and nozzles with clean water.

Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean near wells, water sources or desirable vegetation. Dispose of waste rinse water in accordance with local regulations.

## SPRAY DRIFT MANAGEMENT

The interaction of many equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making application decisions.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

### IMPORTANCE OF DROPLET SIZE

The most effective drift management strategy is to apply the largest droplets which are consistent with pest control objectives. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly or under unfavorable environmental conditions. A droplet size classification system describes the range of droplet sizes produced by spray nozzles. The American Society of Agricultural and Biological Engineers (ASABE) provide a Standard that describes droplet size spectrum categories defined by a number of reference nozzles (fine, coarse, etc.). Droplet spectra resulting from the use of a specific nozzle may also be described in terms of volume mean diameter (VMD). Coarser droplet size spectra have larger VMD's and lower drift potential.

### CONTROLLING DROPLET SIZE - GROUND APPLICATION

**Nozzle Type** - Select a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. The use of low-drift nozzles will reduce drift potential.

**Pressure** - The lowest spray pressures recommended for the nozzle produce the largest droplets. Higher pressure reduces droplet size and does not improve canopy penetration. When higher flow rates are needed, using a higher-capacity nozzle instead of increasing pressure results in the coarsest droplet spectrum.

**Flow Rate/Orifice Size** - Using the highest flow rate nozzles (largest orifice) that are consistent with pest control objectives reduces the potential for spray drift. Nozzles with higher rated flows produce coarser droplet spectra.

### CONTROLLING DROPLET SIZE - AIRCRAFT

**Number of Nozzles** - Using the minimum number of nozzles with the highest flow rate that provide uniform coverage will produce a coarser droplet spectrum.

**Nozzle Orientation** - Orienting nozzles in a manner that minimizes the effects of air shear will produce the coarsest droplet spectra. For some nozzles such as solid stream, pointing the nozzles straight back parallel to the airstream will produce a coarser droplet spectrum than other orientations.

**Nozzle Type** - Solid stream, or other low drift nozzles produce the coarsest droplet spectra. Do not apply as a ULV application unless otherwise specified in this label or in EPA approved supplemental labeling.

### BOOM LENGTH AND HEIGHT

**Boom Length (aircraft)** - The boom length must not exceed 3/4 of the wing length; using shorter booms decreases drift potential. For helicopters use a boom length and position that prevents droplets from entering the rotor vortices.

**Boom Height (aircraft)** - Application more than 10 ft above the canopy increases the potential for spray drift. Applications made at the lowest height consistent with pest control objectives, and the safe operation of the aircraft will reduce the potential for spray drift.

**Boom Height (ground)** - Applications made at the lowest height consistent with pest control objectives, and that allow the applicator to keep the boom level with the application site and minimize bounce, will reduce the exposure of spray droplets to evaporation and wind and reduce spray drift potential.

## WIND

Drift potential increases at wind speeds of less than 3 mph (due to variable direction and inversion potential) or more than 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. AVOID APPLICATIONS DURING GUSTY OR WINDLESS CONDITIONS. Do not make applications when wind speeds are greater than 15 mph.

**Note:** Local terrain can influence wind patterns. Every applicator must be familiar with local wind patterns and how they affect spray drift.

## TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

## SURFACE TEMPERATURE INVERSIONS

Do not make applications into temperature inversions. Drift potential is high during a surface temperature inversion. Surface inversions restrict vertical air mixing, which causes small-suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Surface inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified 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 a surface inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

## SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are preventing drift and not interfering with uniform deposition of the product.

## AIR ASSISTED (AIRBLAST) FIELD CROP SPRAYERS

Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, is configured properly, and that drift is not occurring.

**Note:** Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration.

Consult the application equipment section of this label to determine if use of an air assisted sprayer is recommended.

## CHEMIGATION USING OVERHEAD SPRINKLER SYSTEMS

**Pixovere** can be applied through overhead sprinkler irrigation systems. Types of overhead chemigation systems include the following: center pivot, end tow, hand move, lateral move, side roll, solid set and wheel line. The irrigation system used must provide uniform water distribution.

### Directions for Chemigation:

#### Preparation

A pesticide tank is recommended for the application of **Pixovere** in chemigation systems.

Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. With the mix tank 1/4 to 1/2 full with water and the agitator running, measure the required amount of **Pixovere** and add it to the tank. Then add additional water to bring your total pesticide mixture up to the desired volume for your application.

**Note:** Always add the **Pixovere** to water, never put **Pixovere** into a dry tank or other mixing equipment without first adding water. See **Tank Mixing Sequence** section of the container label for tank mixing sequence. Continue to agitate the mixture throughout the application process. Use mechanical or hydraulic agitation, do not use air agitation.



### Injection Into Chemigation Systems

Inject the proper amount of **Pixovere** into the irrigation water flow using a positive displacement injection pump or a Venturi injector. Injection should occur at a point in the main irrigation water flow to ensure thorough mixing with the irrigation water. For continuously moving systems, inject the solution containing **Pixovere** into the irrigation water line continually and uniformly throughout the irrigation cycle.

Apply in no more than 0.2 inches of water per acre. For overhead sprinkler systems that are stationary, add the solution containing **Pixovere** to the irrigation water line and apply no more than 0.2 inches of water per acre.

### Uniform Water Distribution

The irrigation system used for application of **Pixovere** must provide for uniform distribution of **Pixovere** treated water. Non-uniform distribution can result in crop injury, lack of effectiveness or illegal pesticide residues in or on the crop being treated. Ensure the irrigation system is calibrated to uniformly distribute the chemigation application to the crop. Contact the equipment manufacturer, the local University Extension agent or other experts if you have questions about achieving uniform distribution of the application.

### Equipment Calibration

Calibrate the irrigation system and injector before applying **Pixovere**. Calibrate the injection pump while the system is running using the expected irrigation rate. If you have questions about calibration, you should contact your state extension service specialists, equipment manufacturer or other experts.

### Monitoring of Chemigation Applications

A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of a responsible person, shall shut the system down and make necessary adjustments should the need arise. Wear the personal protective equipment as defined in the PPE section of the label for applicators and other handlers when making adjustments or repairs on the chemigation system when **Pixovere** is in the irrigation water.

### Operation

Start the water pump and sprinkler, and let the system achieve the desired pressure and speed before starting the injector.

Start the injector and calibrate the injection system according to the directions above. This procedure is necessary to deliver the desired rate per acre in a uniform manner. When the application is finished, allow the entire irrigation and injector system to be thoroughly flushed clean before stopping the system.

- End guns must be turned off during the application if they irrigate nontarget areas or if they do not provide uniform application and coverage.
- It is recommended that nozzles in the immediate area of wells, control panels, chemical supply tanks and system safety devices be plugged to prevent contamination of these areas.
- Do not apply when wind speed favors drift beyond the area intended for treatment.
- Do not apply when system connections or fittings leak or when nozzles do not provide uniform distribution.
- Do not allow irrigation water to collect or run-off during chemigation.

### Cleaning the System

Thoroughly clean the injection system and tank of any fertilizer or chemical residues using a standard clean-out procedure. Dispose of any residues in accordance with State and Federal laws. Consult your owner's manual or your local equipment dealer for cleanout procedures for your injection system.

## REQUIRED SYSTEM SAFETY DEVICES FOR ALL CHEMIGATION SYSTEMS

1. The system must contain a functional check valve, vacuum relief valve and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering device, such as a positive displacement pump or a Venturi injector, that provides uniform injection of the product, is effectively designed and constructed of materials compatible with the product, and is capable of being fitted with a system interlock.
7. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

## CROP ROTATION

Crops on this label and the following crops or crop groups may be planted immediately following harvest: Artichoke, globe; Asparagus; Banana/Plantain; Brassica (Cole) Leafy Vegetables (Crop Group 5); Bulb Vegetables (Crop Group 3-07); Bushberry subgroup (Crop subgroup 13-07B); Cacao; Caneberry subgroup (Berry and Small Fruit Crop subgroup 13-07A); Cereal Grains (Crop Group 15); Forage, Fodder, and Straw of Cereal Grains (Crop Group 16); Citrus (Crop Group 10-10); Coffee; Corn (field, pop, seed, and sweet); Cotton; Cucurbit Vegetables (Crop Group 9); Figs; Fruiting Vegetables (Crop Group 8-10); Grass Forage, Fodder, and Hay Group (Crop Group 17); Herbs subgroup (Crop subgroup 19A); Grape; Hops; Large Shrub/Tree Berry subgroup (Crop subgroup 13-07C); Leafy Vegetables (except brassica vegetables, Crop Group 4); Legume Vegetables (Crop Group 6); Foliage of Legume Vegetables (Crop Group 7); Low Growing Berry subgroup (Crop subgroup 13-07G); Nongrass Animal Feeds (Forage, Fodder, Straw, and Hay, Crop Group 18); Okra; Oilseed Group (Crop Group 20); Olives; Peanut; Persimmons; Pome Fruits (Crop Group 11-10); Pineapple; Pomegranates; Prickly Pear Cactus; Rice; Root and Tuber Vegetables (Crop Group 1); Leaves of Root and Tuber Vegetables (Crop Group 2); Small Fruit Vine Climbing subgroup, except fuzzy kiwifruit (Berry and Small Fruit Crop Group subgroup 13-07F); Soybean; Spice subgroup (Crop Group subgroup 19B); Spearmint and Peppermint; Stone Fruits (Crop Group 12-12); Sugarcane; Tea; Tree Nuts and Pistachio (Crop Group 14); Tobacco; and Tropical Fruits (acerola, atemoya, avocado, biriba, black sapote, canistel, cherimoya, custard apple, ilama, feijoa, guava, jaboticaba, longan, lychee, mamey sapote, mango, papaya, passionfruit, pulasan, rambutan, sapodilla, soursop, Spanish lime, star apple, starfruit, sugar apple, wax jambu, and white sapote (Casimiroa), and/or hybrids of these).

All other crops cannot be planted until 12 months after the last application of **Pixovere**.

## PIXOVERE RATE

Crop	Application Method	Target Pest	Lb ai per acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
<b>Cereal Grains (Crop Group 15) except Corn and Rice</b> <b>Including:</b> Barley, Buckwheat, Pearl Millet, Proso Millet, Oats, Rye, Sorghum (milo), Sorghum spp. grain sorghum, sudangrass (seed crop), and hybrids of these grown for its seed], Teosinte, Triticale, Wheat,	FOLIAR	Beet armyworm Corn earworm European corn borer Fall armyworm Sorghum webworm Southwestern corn borer Sugarcane borer True armyworm	0.047 - 0.067	14.0 - 20.0	1	4
		Grasshoppers	0.027 - 0.067	8.0 - 20.0		

Apply higher rates within the listed range for heavier infestations, larger/denser crops or extreme environmental conditions such as rainy weather and high temperatures.

**Grasshoppers** - With foliar sprays, performance is improved with the addition of a Methylated Seed Oil (MSO) adjuvant at 1 gallon per 100 gallons of spray volume (1% v/v). Apply when grasshopper populations reach local established thresholds to prevent crop damage. Correct timing of spray applications to nymphal stages and thorough coverage is critical to achieve optimum control. Applications should be made when eggs have hatched and the majority of the grasshopper population is 2nd - 3rd instar nymphs. Once grasshoppers contact and/or ingest **Pixovere** there will be rapid feeding cessation; insect mortality may not occur until a week later or longer. Do not make more than two sequential applications of **Pixovere** before rotating to another registered insecticide having a different mode of action.

### USE RESTRICTIONS:

- Make no more than 4 applications per acre per calendar year.
- Minimum interval between treatments is 7 days.
- Do not apply more than 60 fl oz **Pixovere** or 0.2 lb a.i. of chlorantraniliprole containing products per acre per calendar year.

Crop	Application Method	Target Pest	Lb ai per Acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
<b>Forage, fodder, and Straw of Cereal Grains, (Crop Group 16) except Corn and Rice Including:</b> Forage, fodder, and straw of all commodities included in the cereal grains group, except corn and rice. Includes Sorghum spp. sorghum, forage; sorghum, stover; sudangrass, and hybrids of these grown for forage and/or stover.	FOLIAR	Beet armyworm Corn earworm European corn borer Fall armyworm Sorghum webworm Southwestern corn borer Sugarcane borer True armyworm	0.047 - 0.067	14.0 - 20.0	1	4
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Crop	Application Method	Target Pest	Lb ai per Acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
Corn (field) Corn (pop)	FOLIAR	Beet armyworm Corn earworm European corn borer Fall armyworm Southern armyworm Southwestern corn borer True armyworm Western bean cutworm	0.047 - 0.067	14.0 - 20.0	14 Days for Ears 1 Day for Forage, Fodder, Silage, Stover	4
		Grasshoppers	0.027 - 0.067	8.0 - 20.0		

Apply higher rates within the listed range for heavier infestations, larger/denser crops or extreme environmental conditions such as rainy weather and high temperatures.

**Grasshoppers** - With foliar sprays, performance is improved with the addition of a Methylated Seed Oil (MSO) adjuvant at 1 gallon per 100 gallons of spray volume (1% v/v). Apply when grasshopper populations reach local established thresholds to prevent crop damage. Correct timing of spray applications to nymphal stages and thorough coverage is critical to achieve optimum control. Applications should be made when eggs have hatched and the majority of the grasshopper population is 2nd - 3rd instar nymphs. Once grasshoppers contact and/or ingest **Pixovere** there will be rapid feeding cessation; insect mortality may not occur until a week later or longer. Do not make more than two sequential applications of **Pixovere** before rotating to another registered insecticide having a different mode of action.

**USE RESTRICTIONS:**

- Make no more than 4 applications per acre per calendar year.
- Minimum interval between treatments is 7 days.
- Do not apply more than 60 fl oz **Pixovere** or 0.2 lb a.i. of chlorantraniliprole containing products per acre per calendar year.

Crop	Application Method	Target Pest	Lb ai per acre	Fluid Ounces Product Per Acre	Last Application (Days to Harvest)	REI (Hours)
Corn (seed)	FOLIAR	Beet armyworm Corn earworm European corn borer Fall armyworm Southern armyworm Southwestern corn borer True armyworm Western bean cutworm	0.047 - 0.067	14.0 - 20.0	1	4
		Grasshoppers	0.027 - 0.067	8.0 - 20.0		

Apply higher rates within the listed range for heavier infestations, larger/denser crops or extreme environmental conditions such as rainy weather and high temperatures.

**Grasshoppers** - With foliar sprays, performance is improved with the addition of a Methylated Seed Oil (MSO) adjuvant at 1 gallon per 100 gallons of spray volume (1% v/v). Apply when grasshopper populations reach local established thresholds to prevent crop damage. Correct timing of spray applications to nymphal stages and thorough coverage is critical to achieve optimum control. Applications should be made when eggs have hatched, and the majority of the grasshopper population is 2nd - 3rd instar nymphs. Once grasshoppers contact and/or ingest **Pixovere** there will be rapid feeding cessation; insect mortality may not occur until a week later or longer. Do not make more than two sequential applications of **Pixovere** before rotating to another registered insecticide having a different mode of action.

**USE RESTRICTIONS:**

- Make no more than 4 applications per acre per calendar year.
- Minimum interval between treatments is 1 day.
- Do not apply more than 60 fl oz **Pixovere** or 0.2 lb a.i. of chlorantraniliprole containing products per acre per calendar year.

Crop	Application Method	Target Pest	Lb ai per Acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
Cotton	FOLIAR	Beet armyworm Cotton bollworm <sup>2</sup> Fall armyworm Saltmarsh caterpillar Southern armyworm Tobacco budworm <sup>2</sup> Western yellowstriped armyworm	0.047 - 0.09	14.0 - 27.0	21	4
		Cabbage looper Soybean looper <sup>1</sup>	0.067 - 0.097	20.0 - 29.0		
		Grasshoppers	0.027 - 0.067	8.0 - 20.0		

Apply higher rates within the listed range for heavier infestations, larger/denser crops or extreme environmental conditions such as rainy weather and high temperatures.

<sup>1</sup>Suppression only.

<sup>2</sup>For Heliothine control (cotton bollworm and/or tobacco budworm) in conventional non-transgenic/non-Bt cotton varieties, and in Bt transgenic cotton varieties where trait resistance has been documented\*, make the first application at rates of 0.067 - 0.09 lb. ai per acre (20.0 - 27.0 fl oz product). Subsequent applications can be at rates of 0.047 - 0.09 lb. ai acre (14.0 - 27.0 fl oz product) depending on pest pressure.

For control of cotton bollworm (*Helicoverpa zea*) in Bt transgenic cotton where no trait resistance has been documented\*, the initial application, and subsequent applications, of **Pixovere** can be applied at 14.0 to 20.0 fluid ounces of product per acre as a foliar spray. Apply when cotton bollworm populations reach local established treatment thresholds to prevent crop damage.

**Grasshoppers** - With foliar sprays, performance is improved with the addition of a Methylated Seed Oil (MSO) adjuvant at 1 gallon per 100 gallons of spray volume (1% v/v). Apply when grasshopper populations reach local established thresholds to prevent crop damage. Correct timing of spray applications to nymphal stages and thorough coverage is critical to achieve optimum control. Applications should be made when eggs have hatched and the majority of the grasshopper population is 2nd - 3rd instar nymphs. Once grasshoppers contact and/or ingest **Pixovere** there will be rapid feeding cessation; insect mortality may not occur until a week later or longer. Do not make more than two sequential applications of **Pixovere** before rotating to another registered insecticide having a different mode of action.

#### USE RESTRICTIONS:

- Make no more than 4 applications per acre per calendar year.
- The minimum interval between treatments is 5 days.
- Do not apply more than 60 fl oz **Pixovere** or 0.2 lb a.i. of chlorantraniliprole containing products per acre per calendar year.

\*Not Registered for Use by California



Crop	Application Method	Target Pest	Lb ai per Acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
<b>Grass Forage, Fodder and Hay:</b> (Crop Group 17) Any grass, Gramineae family (either green or cured) except sugarcane and those included in the cereal grains group, that will be fed to or grazed by livestock, all pasture and range grasses and grasses grown for hay or silage	FOLIAR	Beet armyworm Corn earworm Fall armyworm Southern armyworm True armyworm	0.047 - 0.067	14.0 - 20.0	0	4
		Billbug (grubs) <sup>2</sup> Cutworms European crane fly (larvae) <sup>1</sup>	0.067 - 0.097	20.0 - 29		
		Grasshoppers	0.027 - 0.067	8.0 - 20.0		

Apply higher rates within the listed range for heavier infestations, larger/denser crops or extreme environmental conditions such as rainy weather and high temperatures.

#### Application Instructions

For control of armyworms and cutworms, apply at first sign of economic crop damage. Apply **Pixovere** as a thorough coverage foliar spray using properly calibrated ground equipment in a minimum of 10 gallons per acre, or via overhead chemigation in 0.10 to 0.20 acre inch of water. For foliar sprays, increase the spray volume to compensate for the amount of foliage present. For maximum spray penetration into the root crown area, the use of a silicone surfactant may be useful. For best results with foliar spray applications, delay the next irrigation for at least 24 hours.

<sup>1</sup>For suppression of European crane fly larvae apply between September and early November.

<sup>2</sup>For suppression of billbug grubs, apply when overwintered adult billbugs are first observed. This will usually occur in late April or early May. It is important to move the **Pixovere** into the grass root zone. This is best achieved by applying via overhead chemigation in 0.25 to 0.50 acre inch of water, or by immediately following a foliar spray application with 0.25 to 0.50 acre inch of water.

**Grasshoppers** - With foliar sprays, performance is improved with the addition of a Methylated Seed Oil (MSO) adjuvant at 1 gallon per 100 gallons of spray volume (1% v/v). Apply when grasshopper populations reach local established thresholds to prevent crop damage. Correct timing of spray applications to nymphal stages and thorough coverage is critical to achieve optimum control. Applications should be made when eggs have hatched and the majority of the grasshopper population is 2nd - 3rd instar nymphs. Once grasshoppers contact and/or ingest **Pixovere** there will be rapid feeding cessation; insect mortality may not occur until a week later or longer. Do not make more than two sequential applications of **Pixovere** before rotating to another registered insecticide having a different mode of action.

#### USE RESTRICTIONS:

- Make no more than 4 applications per acre per calendar year.
- Minimum interval between treatments is 7 days.
- Do not apply more than 60 fl oz **Pixovere** or 0.2 lb a.i. of chlorantraniliprole containing products per acre per calendar year.

Crop	Application Method	Target Pest	Lb ai per Acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
<b>Legume Vegetables, Dried shelled pea and bean (Crop Sub-group 6C) except soybean Including:</b> Dried cultivars of bean ( <i>Lupinus</i> ); bean ( <i>Phaseolus</i> ) (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean, tepary bean); bean ( <i>Vigna</i> ) (includes adzuki bean, blackeyed pea, catjang, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); broad bean (dry); chickpea; guar; lablab bean; lentil; pea ( <i>Pisum</i> ) (includes field pea); pigeon pea	FOLIAR	Beet armyworm Corn earworm Cabbage looper European corn borer Fall armyworm Soybean looper Western bean cutworm	0.047 - 0.067	14.0 - 20.0	1	4
		Leafminers (larvae) <sup>1</sup>	0.097	29.0		
		Grasshoppers	0.027 - 0.067	8.0 - 20.0		

Apply higher rates within the listed range for heavier infestations, larger/denser crops or extreme environmental conditions such as rainy weather and high temperatures.

<sup>1</sup>Control of *Liriomyza* species except suppression only for *L. huidabrensis* and *L. langei*.

**Grasshoppers** - With foliar sprays, performance is improved with the addition of a Methylated Seed Oil (MSO) adjuvant at 1 gallon per 100 gallons of spray volume (1% v/v). Apply when grasshopper populations reach local established thresholds to prevent crop damage. Correct timing of spray applications to nymphal stages and thorough coverage is critical to achieve optimum control. Applications should be made when eggs have hatched and the majority of the grasshopper population is 2nd - 3rd instar nymphs. Once grasshoppers contact and/or ingest **Pixovere** there will be rapid feeding cessation; insect mortality may not occur until a week later or longer. Do not make more than two sequential applications of **Pixovere** before rotating to another registered insecticide having a different mode of action.

#### USE RESTRICTIONS:

- Make no more than 4 applications per acre per calendar year.
- Minimum interval between treatments is 3 days.
- Do not apply more than 180 fl oz **Pixovere** or 0.6 lb a.i. of chlorantraniliprole containing products per acre per calendar year.
- In NY, do not apply more than 60 fl oz **Pixovere** or 0.2 lb a.i. of chlorantraniliprole containing products per acre per calendar year.

Crop	Application Method	Target Pest	Lb ai per Acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
<b>Foliage of Legume vegetables, Dried shelled pea and bean except soybean including:</b> Plant parts of any legume vegetable included in the legume vegetables section above that will be used as animal feed.	FOLIAR	Beet armyworm Corn earworm Cabbage looper European corn borer Fall armyworm Soybean looper Western bean cutworm	0.047 - 0.067	14.0 - 20.0	1	4
		Grasshoppers	0.027 - 0.067	8.0 - 20.0		

Apply higher rates within the listed range for heavier infestations, larger/denser crops or extreme environmental conditions such as rainy weather and high temperatures.

**Grasshoppers** - With foliar sprays, performance is improved with the addition of a Methylated Seed Oil (MSO) adjuvant at 1 gallon per 100 gallons of spray volume (1% v/v). Apply when grasshopper populations reach local established thresholds to prevent crop damage. Correct timing of spray applications to nymphal stages and thorough coverage is critical to achieve optimum control. Applications should be made when eggs have hatched and the majority of the grasshopper population is 2nd - 3rd instar nymphs. Once grasshoppers contact and/or ingest **Pixovere** there will be rapid feeding cessation; insect mortality may not occur until a week later or longer. Do not make more than two sequential applications of **Pixovere** before rotating to another registered insecticide having a different mode of action.

**USE RESTRICTIONS:**

- Make no more than 4 applications per acre per calendar year.
- Minimum interval between treatments is 3 days.
- Do not apply more than 180 fl oz **Pixovere** or 0.6 lb a.i. of chlorantraniliprole containing products per acre per calendar year.
- In NY, do not apply more than 60 fl oz **Pixovere** or 0.2 lb a.i. of chlorantraniliprole containing products per acre per calendar year.

Crop	Application Method	Target Pest	Lb ai per Acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
<b>Non-grass animal feeds: (Crop Group 18) including:</b> Alfalfa; bean, velvet; clover (Trifolium, Melilotus); kudzu; lespedeza; lupin; sainfoin; trefoil; vetch; vetch, crown; vetch, milk	FOLIAR	Alfalfa caterpillar Alfalfa looper Beet armyworm Fall armyworm Western bean cutworm	0.047 - 0.067	14.0 - 20.0	0	4
		Grasshoppers	0.027 - 0.067	8.0 - 20.0		

Apply higher rates within the listed range for heavier infestations, larger/denser crops or extreme environmental conditions such as rainy weather and high temperatures.

**Grasshoppers** - With foliar sprays, performance is improved with the addition of a Methylated Seed Oil (MSO) adjuvant at 1 gallon per 100 gallons of spray volume (1% v/v). Apply when grasshopper populations reach local established thresholds to prevent crop damage. Correct timing of spray applications to nymphal stages and thorough coverage is critical to achieve optimum control. Applications should be made when eggs have hatched and the majority of the grasshopper population is 2nd - 3rd instar nymphs. Once grasshoppers contact and/or ingest **Pixovere** there will be rapid feeding cessation; insect mortality may not occur until a week later or longer. Do not make more than two sequential applications of **Pixovere** before rotating to another registered insecticide having a different mode of action.

**USE RESTRICTIONS:**

- Make no more than 4 applications per acre per calendar year.
- Make one application per cutting.
- Do not apply more than 60 fl oz **Pixovere** or 0.2 lb a.i. of chlorantraniliprole containing products per acre per calendar year.

Crop	Application Method	Target Pest	Lb ai per Acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
<b>* USDA – APHIS</b> <b>Rangeland Grasshopper and Mormon Cricket Suppression</b> <b>Program in/on:</b> Grass Forage, Fodder and Hay: (Crop Group 17) Any grass, Gramineae family (either green or cured) except sugarcane and those included in the cereal grains group, that will be fed to or grazed by livestock, all pasture and range grasses and grasses grown for hay or silage	FOLIAR – ULV APPLICATION (Ground or Air Application)	Grasshoppers Mormon crickets	0.027	8.0	0	4

Use of oil-based adjuvants (methylated seed oils, petroleum oils, crop oil concentrates etc.) at 1 gallon per 100 gallons of spray volume (1% v/v) improves performance.

Apply when pest populations reach local established thresholds to prevent crop damage. Applications should target the most susceptible life stages when possible. Correct timing of spray applications to nymphal stages and thorough coverage is critical to achieve optimum control. Applications should be made when eggs have hatched and the majority of the pest population is at least 2nd – 3rd instar nymphs. Once pests contact and/or ingest **Pixovere** there will be rapid feeding cessation; insect mortality may not occur until a week later or longer.

#### USE RESTRICTIONS

- Do not make more than 1 application of **Pixovere** per acre per calendar year for grasshopper and/or Mormon cricket suppression.
- Apply a minimum of 32 fluid ounces of spray solution (i.e., **Pixovere** plus carrier(s), adjuvant(s), diluent(s), etc.) per acre whether applied by air or ground application equipment.

\*Not Registered for Use by California

Crop	Application Method	Target Pest	Lb ai per Acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
Peanut	FOLIAR	Beet armyworm Corn earworm Fall armyworm Green cloverworm Lesser cornstalk borer Southern armyworm Tobacco budworm Velvetbean caterpillar	0.047 - 0.067	14.0 - 20.0	1	4
		Cabbage looper Granulate cutworm Soybean looper	0.067	20.0		
		Grasshoppers	0.027 - 0.067	8.0 - 20.0		

Apply higher rates within the listed range for heavier infestations, larger/denser crops or extreme environmental conditions such as rainy weather and high temperatures.

**Grasshoppers** - With foliar sprays, performance is improved with the addition of a Methylated Seed Oil (MSO) adjuvant at 1 gallon per 100 gallons of spray volume (1% v/v). Apply when grasshopper populations reach local established thresholds to prevent crop damage. Correct timing of spray applications to nymphal stages and thorough coverage is critical to achieve optimum control. Applications should be made when eggs have hatched and the majority of the grasshopper population is 2nd – 3rd instar nymphs. Once grasshoppers contact and/or ingest **Pixovere** there will be rapid feeding cessation; insect mortality may not occur until a week later or longer. Do not make more than two sequential applications of **Pixovere** before rotating to another registered insecticide having a different mode of action.

#### USE RESTRICTIONS:

- Make no more than 4 applications per acre per calendar year.
- Minimum interval between treatments is 5 days.
- Do not apply more than 60 fl oz **Pixovere** or 0.2 lb a.i. of chlorantraniliprole containing products per acre per calendar year.

Crop	Application Method	Target Pest	Lb ai per Acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
<b>Oilseed Group: (Crop Group 20) except milk-weed including:</b> borage; calendula; canola; castor oil plant; Chinese tallowtree; cotton-seed; crambe; cuphea; echium; euphorbia; evening primrose; flax seed; gold of pleasure; hare's ear mustard; jojoba; lesquerella; lunaria; meadow-foam; mustard seed; niger seed; oil radish; poppy seed; rapeseed; rose hip; safflower; sesame; stokes aster; sunflower; sweet rocket; tallowwood; tea oil plant; vernonia; cultivars, varieties, and/or hybrids of these	FOLIAR	Diamondback moth Banded sunflower moth Sunflower moth	0.047 - 0.067	14.0 - 20.0	21	4
		Grasshoppers	0.027 - 0.067	8.0 - 20.0		

Apply higher rates within the listed range for heavier infestations, larger/denser crops or extreme environmental conditions such as rainy weather and high temperatures.

**Banded sunflower moth and sunflower moth** - For best results apply when moth populations reach local established treatment thresholds and as blooms begin to open (sunflower growth stage R-5.0 to R-5.1) to prevent crop damage. Applications may be required at 5-7 day intervals when moth pressure is heavy.

**Grasshoppers** - With foliar sprays, performance is improved with the addition of a Methylated Seed Oil (MSO) adjuvant at 1 gallon per 100 gallons of spray volume (1% v/v). Apply when grasshopper populations reach local established thresholds to prevent crop damage. Correct timing of spray applications to nymphal stages and thorough coverage is critical to achieve optimum control. Applications should be made when eggs have hatched and the majority of the grasshopper population is 2nd - 3rd instar nymphs. Once grasshoppers contact and/or ingest

**Pixovere** there will be rapid feeding cessation; insect mortality may not occur until a week later or longer. Do not make more than two sequential applications of **Pixovere** before rotating to another registered insecticide having a different mode of action.

#### USE RESTRICTIONS

- Make no more than 4 applications per acre per calendar year.
- Minimum interval between treatments is 5 days.
- Do not apply more than 60 fl oz **Pixovere** or 0.2 lb a.i. of chlorantraniliprole containing products per acre per calendar year.

Crop	Application Method	Target Pest	Lb ai per Acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
<b>Rice</b> - Arkansas, Texas, Louisiana, Mississippi, Missouri	SOIL APPLICATION† Broadcast spray	Rice water weevil larvae	0.08 - 0.1	24.0 - 30.0	N/A	4

Apply higher rates within the listed range for heavier infestations, larger/denser crops or extreme environmental conditions such as rainy weather and high temperatures.

† Only for application as a broadcast spray to soil.

**For water-seeded rice:** Apply **Pixovere** to soil surface prior to seeding and flooding. Apply in a sufficient volume of water to ensure thorough coverage. For improved performance, soil incorporation in the upper 1-2 inches of soil is recommended.

**For dry-seeded rice:** **Pixovere** may be applied to the surface of the soil before, during or after planting, but application must be made before rice emergence. After application of **Pixovere**, flush the field up to runoff and allow field to dry. Higher rates within the listed range should be used in dry-seeded rice when the permanent flood will be established at tillering.

Broadcast application may be made using aerial or ground application equipment.

#### USE RESTRICTIONS:

- Do not apply more than 5 days prior to flooding in water seeded rice. Once flood is established, hold the water for a minimum of 14 days before discharging the water.
- Application of **Pixovere** to dry-seeded rice must be made before rice emergence. Then, if excessive rainfall occurs, or a flood is established, the water must be held for a minimum of 14 days after application before discharging the water.
- Do not apply more than 30 fl oz **Pixovere** or 0.1 lb a.i. of chlorantraniliprole containing products per acre per calendar year.
- Do not use rice fields treated with **Pixovere** for the aquaculture of edible fish or crustacea (including crawfish) during the rice production cycle (planting through harvest).



Crop	Application Method	Target Pest	Lb ai per Acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
Soybean Including edamame (immature soybean)	FOLIAR	Beet armyworm	0.047 - 0.067	14.0 - 20.0	1	4
		Corn earworm				
		Fall armyworm				
		Cabbage looper				
		Green cloverworm				
		Southern armyworm				
		Soybean looper				
		Tobacco budworm				
		Velvetbean caterpillar				
		Grasshoppers	0.027 - 0.067	8.0 - 20.0		
		Decetes stem borer	0.067	20.0		

Apply higher rates within the listed range for heavier infestations, larger/denser crops or extreme environmental conditions such as rainy weather and high temperatures.

**Grasshoppers** - With foliar sprays, performance is improved with the addition of a Methylated Seed Oil (MSO) adjuvant at 1 gallon per 100 gallons of spray volume (1% v/v). Apply when grasshopper populations reach local established thresholds to prevent crop damage. Correct timing of spray applications to nymphal stages and thorough coverage is critical to achieve optimum control. Applications should be made when eggs have hatched and the majority of the grasshopper population is 2nd - 3rd instar nymphs. Once grasshoppers contact and/or ingest **Pixovere** there will be rapid feeding cessation; insect mortality may not occur until a week later or longer. Do not make more than two sequential applications of **Pixovere** before rotating to another registered insecticide having a different mode of action.

**Decetes stem borer** - To minimize crop damage by the pest, apply at the onset of adult beetle flight. Ensure thorough spray coverage and make application to soybeans prior to egg laying. For best results, regular scouting using a sweep net is necessary to identify the emergence and infestation of adult beetles. If regular scouting is not used, apply at 1500 Growing Degree Days (GDD) in Nebraska and northern Kansas or consult with your local agricultural advisor for advice on application timing. Continued scouting should be used to track the duration of the emergence period. A second application may be necessary at 3 to 4 weeks after the initial application if adults continue to emerge over an extended period.

**USE RESTRICTIONS:**

- Make no more than 4 applications per acre per calendar year.
- Minimum interval between treatments is 3 days.
- Do not apply more than 60 fl oz **Pixovere** or 0.2 lb a.i. of chlorantraniliprole containing products per acre per calendar year.

Crop	Application Method	Target Pest	Lb ai per Acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
Sugarcane	FOLIAR	Mexican rice borer Sugarcane borer	0.047 - 0.067	14.0 - 20.0	14	4
		Grasshoppers	0.027 - 0.067	8.0 - 20.0		

Apply higher rates within the listed range for heavier infestations, larger/denser crops or extreme environmental conditions such as rainy weather and high temperatures.

**Mexican rice borer** - Make the application at initiation of egg hatch, small larvae or at first signs of infestation. The lower recommended rate range can be used when shorter residual control is needed. Use the higher recommended rate range for heavy insect pressure or when longer residual control is desired. Make the application before pests reach damaging levels. Apply in sufficient water to obtain thorough and uniform cover of foliage. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action threshold levels for these pests in sugarcane.

**Grasshoppers** - With foliar sprays, performance is improved with the addition of a Methylated Seed Oil (MSO) adjuvant at 1 gallon per 100 gallons of spray volume (1% v/v). Apply when grasshopper populations reach local established thresholds to prevent crop damage. Correct timing of spray applications to nymphal stages and thorough coverage is critical to achieve optimum control. Applications should be made when eggs have hatched and the majority of the grasshopper population is 2nd - 3rd instar nymphs. Once grasshoppers contact and/or ingest **Pixovere** there will be rapid feeding cessation; insect mortality may not occur until a week later or longer. Do not make more than two sequential applications of **Pixovere** before rotating to another registered insecticide having a different mode of action.

**USE RESTRICTIONS:**

- Make no more than 4 applications per acre per calendar year.
- Minimum interval between treatments is 7 days.
- Do not apply more than 60 fl oz **Pixovere** or 0.2 lb a.i. of chlorantraniliprole containing products per acre per calendar year.



Crop	Application Method	Target Pest	Lb ai per Acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
<b>Teff</b>	FOLIAR	Corn earworm Beet armyworm European corn borer Fall armyworm Grasshoppers Sorghum webworm Southwestern corn borer Sugarcane borer True armyworm	0.047 - 0.067	14.0 - 20.0	14	4

Apply higher rates within the listed range for heavier infestations, larger/denser crops or extreme environmental conditions such as rainy weather and high temperatures.

**USE RESTRICTIONS:**

- Make no more than 4 applications per acre per calendar year.
- Minimum interval between treatments is 7 days.
- Do not apply more than 60 fl oz **Pixovere** or 0.2 lb a.i. of chlorantraniliprole containing products per acre per calendar year.

Crop	Application Method	Target Pest	Lb Ai per Acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
<b>Forage, Fodder, and Straw of Teff</b>	FOLIAR	Corn earworm Beet armyworm European corn borer Fall armyworm Grasshoppers Sorghum webworm Southwestern corn borer Sugarcane borer True armyworm	0.047 - 0.067	14.0 - 20.0	14	4

Apply higher rates within the listed range for heavier infestations, larger/denser crops or extreme environmental conditions such as rainy weather and high temperatures.

**USE RESTRICTIONS:**

- Make no more than 4 applications per acre per calendar year.
- Minimum interval between treatments is 7 days.
- Do not apply more than 60 fl oz **Pixovere** or 0.2 lb a.i. of chlorantraniliprole containing products per acre per calendar year.

Crop	Application Method	Target Pest	Lb ai per Acre	Fluid Ounces Product per Acre	Last Application (Days to Harvest)	REI (Hours)
<b>Quinoa</b>	FOLIAR	Corn earworm Beet armyworm European corn borer Fall armyworm Grasshoppers Sorghum webworm Southwestern corn borer Sugarcane borer True armyworm	0.047 - 0.067	14.0 - 20.0	14	4

Apply higher rates within the listed range for heavier infestations, larger/denser crops or extreme environmental conditions such as rainy weather and high temperatures.

**USE RESTRICTIONS:**

- Make no more than 4 applications per acre per calendar year.
- Minimum interval between treatments is 7 days.
- Do not apply more than 60 fl oz **Pixovere** or 0.2 lb a.i. of chlorantraniliprole containing products per acre per calendar year.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### CONTAINER HANDLING:

**For plastic containers < 5 gallons: 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 if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

**For plastic containers > 5 gallons: 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. Fill the container ¼ full with water. Recap 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 offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

## LIMITATION OF WARRANTY AND LIABILITY

**IMPORTANT: READ BEFORE USE.** Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Disclaimer of Warranties and Limitations of Liability. **CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

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