REVIZE® PBI

CLOTHIANIDIN	GROUP	4A	INSECTICIDE
METALAXYL	GROUP	4	FUNGICIDE
IPCONAZOLE	GROUP	3	FUNGICIDE
ETHABOXAM	GROUP	22	FUNGICIDE

A FUNGICIDE AND INSECTICIDE SEED TREATMENT PRODUCT PROVIDING SYSTEMIC SEED AND SEEDLING PROTECTION AGAINST LISTED EARLY SEASON SEEDLING DISEASES AND INSECTS OF SOYBEAN

ACTIVE INGREDIENTS	**% By Wt.**
Clothianidin[1]	20.06%
Ethaboxam[2]	2.97%
Ipconazole[3]	0.99%
Metalaxyl[4]	0.79%
OTHER INGREDIENT	75.19%
TOTAL:	100.00%

[1] (*E*)-1-(2-chloro-1,3-thiazol-5-ylmethyl)-3-methyl-2-nitroguanidine
[2] (*RS*)-*N*-(α-cyano-2-thenyl)-4-ethyl-2-(ethylamino)-1,3-thiazole-5-carboxamide
[3] (1*RS*,2*SR*,5*RS*;1*RS*,2*SR*,5*SR*)-2-(4-chlorobenzyl)-5-isopropyl-1-(1*H*-1,2,4-triazol-1-ylmethyl)cyclopentanol
[4] methyl *N*-(methoxyacetyl)-*N*-2,6-xylyl-DL-alaninate

REVIZE® PBI contains 1.91 lbs clothianidin per gallon, 0.282 lb ethaboxam per gallon, 0.094 lb ipconazole per gallon and 0.075 lb metalaxyl per gallon.

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE NEXT PAGE FOR PRECAUTIONARY STATEMENTS

SPECIMEN

EPA Reg. No.: 59639-205-89391

Distributed By: INNVICTIS® CROP CARE, LLC
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031825RD111925

INNVICTIS CROP CARE

PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed.

FIRST AID	
IF SWALLOWED:	• Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • **DO NOT** induce vomiting unless told to by a poison control center or doctor. • **DO NOT** give anything to an unconscious person.

NOTE TO PHYSICIAN

Treatment is supportive and symptomatic.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 800-892-0099 for emergency medical treatment information.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Workers loading product, treating seed and conducting maintenance and calibration of the treater must wear: long-sleeved shirt, long pants, socks and shoes, and chemical-resistant gloves made out of barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥14 mils, polyethylene, polyvinyl chloride ≥14 mils or Viton ≥14 mils.

Workers involved with handling treated seed (such as baggers, sewers and bag stackers) must wear: long-sleeved shirt, long pants, socks and shoes.

Workers who load and plant treated seed must wear: long-sleeved shirt, long pants, socks and shoes, and chemical-resistant gloves made out of barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥14 mils, polyethylene, polyvinyl chloride ≥14 mils or Viton ≥14 mils when handling treated seed.

Follow the 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.

USER SAFETY RECOMMENDATIONS

Users Should:

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

ENVIRONMENTAL HAZARDS

This product is toxic to birds, mammals and aquatic invertebrates, oysters and shrimp. **DO NOT** apply directly to water or 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 washwater or rinsate.

Treated seed exposed on the soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting. Dispose of all excess treated seed by burying seed away from bodies of water. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

Clothianidin is highly toxic to bees exposed directly (contact). Ensure that planting equipment is functioning properly in accordance with manufacturer's recommendations to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds.

Groundwater advisory: Metalaxyl is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable particularly where the water table is shallow may result in groundwater contamination.

Ipconazole may persist in soil, and long term use in the same field may result in accumulation of active ingredient.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

For use only in commercial seed treatment facilities. Not for use in hopper box, planter box, slurry box or other on-farm seed treatment applications. **DO NOT** apply this product in a way that will contact workers or other persons. 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 pesticide regulation.

RISKS OF USING THIS PRODUCT, LIMITED WARRANTY AND DISCLAIMER, AND LIMITATION OF LIABILITY

IMPORTANT: Read the entire Label including this section titled Risks of Using this Product, Limited Warranty and Disclaimer, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

RISKS OF USING THIS PRODUCT

The buyer and user (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Innvictis Crop Care, LLC. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND TO THE FULLEST EXTENT ALLOWED BY LAW, AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

The Directions for Use of this product must be followed carefully. Innvictis Crop Care, LLC shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential, or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. To the extent consistent with applicable law, Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

LIMITED WARRANTY AND DISCLAIMER

Innvictis Crop Care, LLC warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the Risks of Using **This Product as described above. To the extent consistent with applicable law, INNVICTIS CROP CARE, LLC MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED.** No agent or representative of Innvictis Crop Care, LLC or Seller is authorized to make or create any other express or implied warranty.

LIMITATION OF LIABILITY

To the fullest extent allowed by law, Innvictis Crop Care, LLC or Seller is not liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. TO THE FULLEST EXTENT ALLOWED BY LAW, THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF INNVICTIS CROP CARE, LLC OR 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 THIS PRODUCT OR, AT THE ELECTION OF INNVICTIS CROP CARE, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

(continued)

SPECIMEN

PROMPT NOTICE OF CLAIM

To the extent consistent with applicable law allowing such requirements, Innvictis Crop Care, LLC must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is later, so that an immediate inspection of the affected property and growing crops can be made.

To the extent consistent with applicable law, if Buyer does not notify Innvictis Crop Care, LLC of any claims, in such period, it shall be barred from obtaining any remedy.

NO AMENDMENTS

Innvictis Crop Care, LLC and Seller offer this product, and Buyer accepts it, subject to the foregoing Risks of Using This Product, Limited Warranty and Disclaimer, and Limitation of Liability, which may not be modified by any oral or written agreement.

COMMERCIAL TANK MIXES

NOTICE: Commercial tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk or user, applicator and/or application advisor.

Read and follow the entire label of each product to be used in the commercial tank mix with this product.

INSECT RESISTANCE MANAGEMENT

For insecticide resistance management, ***REVIZE PBI*** contains a Group 4A/clothianidin insecticide. Any insect population may contain individuals naturally resistant to ***REVIZE PBI*** and other Group 4A insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of ***REVIZE PBI*** or other Group 4A insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. **DO NOT** rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - o Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - o Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - o When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - o Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - o The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Innvictis Crop Care, LLC at 855-466-8428.

FUNGICIDE RESISTANCE MANAGEMENT

For fungicide resistance management, please note that ***REVIZE PBI*** contains Group 3/ipconazole, Group 4/metalaxyl and Group 22/ethaboxam fungicides. Any fungal population may contain individuals naturally resistant to ***REVIZE PBI*** and other Group 3, Group 4 or Group 22 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Follow appropriate resistance management strategies.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of ***REVIZE PBI*** or other Group 3/ipconazole, Group 4/metalaxyl or Group 22/ethaboxam fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for the specific crops and pathogens.
- For further information or to report suspected resistance contact Innvictis Crop Care, LLC at 855-466-8428. You can also contact your pesticide distributor or university extension specialist to report resistance.

RESTRICTIONS

REVIZE PBI must be used in accordance with use instructions on this label and only in commercial seed treatment facilities. Always mix product thoroughly before use. Not for use in hopper box, planter box, slurry box or other on-farm seed treatment applications.

- Regardless of application method, do not apply more than 0.2 lb (90.7 g) of clothianidin active ingredient per acre per year.
- **Not registered for use on soybeans in California.**
- **DO NOT** discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. **DO NOT** discharge effluent containing this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. **DO NOT** apply where runoff is likely to occur. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Apply this product only as specified on label.

Seed Quality and Storage of Treated Seed

- Seed treatments applied to low vigor or poor quality seed or to mechanically damaged seed may result in loss of seed germination or reduced seedling vigor. To verify seed safety, treat a small portion of seed with the desired slurry mixture (***REVIZE PBI*** alone or in combination with other commercial seed treatment products) prior to treatment of an entire seed lot. Utilize standard seed germination methodologies to determine and verify seed safety. Use proper storage conditions for treated seed. Due to seed quality and seed storage conditions beyond the control of Innvictis Crop Care, LLC, no claims are made to guarantee the germination of carry-over treated seed.

PRODUCT INFORMATION

REVIZE PBI (containing clothianidin, ethaboxam, ipconazole and metalaxyl) is an insecticide and fungicide seed treatment product offering both contact and systemic activity in providing broad-spectrum seed and seedling protection against seedling diseases, soil insects and early-season foliar insects of soybean. The fungicide components in ***REVIZE PBI*** are effective for protection against Pythium, Phytophthora sojae, Fusarium and Rhizoctonia solani. This product is also effective against seed-borne Phomopsis, seed-borne Sclerotinia and seed rot fungi such as Aspergillus and Penicillium. Clothianidin, the insecticide contained in ***REVIZE PBI***, provides protection against aphids, bean leaf beetle, grape colaspis, leafhoppers, pea leaf weevil, seed corn maggot, three cornered alfalfa hopper, thrips, white grubs and wireworm.

Seed should be sound and well-cured before treatment.

DRAFT

Accurate application of ***REVIZE PBI*** to seed is required for best protection against listed pests. Application to seed must be done only in commercial seed treatment facilities utilizing standard liquid or slurry treaters. Mix ***REVIZE PBI*** prior to application. **DO NOT** agitate or stir ***REVIZE PBI*** while treating seed. ***REVIZE PBI*** may be applied direct to soybean seed without adding water.

Pre-test tank mixtures with other seed treatment products to verify formulation compatibility and to assure proper physical compatibility of products. Follow the most restrictive limitations and precautions on labels of all products used in a seed treatment mixture. **DO NOT** tank mix with any products which contain a prohibition on tank mixing.

SEED BAG TAG

The Federal Seed Act requires that the container of seed treated with ***REVIZE PBI*** must be labeled with the following statements:

- This seed has been treated with ***REVIZE PBI*** which contains clothianidin, ethaboxam, ipconazole and metalaxyl.
- **DO NOT** use treated seed for feed, food or oil processing.

In addition, the U.S. Environmental Protection Agency requires the following statements on the container of seed treated with ***REVIZE PBI***:

- Regardless of application method, do not apply more than 0.2 lb (90.7 g) of clothianidin active ingredient per acre per year. (Based on the seed size of 2800 seeds/lb, at the label rate, the mg of clothianidin will be equal to 0.081 mg/seed).
- Store away from feeds and other foodstuffs.
- Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.
- When handling treated seed wear long-sleeved shirt, long pants, socks and shoes, and chemical-resistant gloves: barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride or Viton.
- Dispose of all excess treated seed. Left over treated seed may be double-sown around the headland or buried away from water sources in accordance with local requirements.
- **DO NOT** contaminate water bodies when disposing of planting equipment washwaters.
- Dispose of seed packaging in accordance with local requirements.
- Clothianidin is toxic to birds and mammals. Seeds treated with clothianidin exposed on the soil surface may be hazardous to birds and mammals. Cover or collect treated seeds spilled during loading and planting. Dispose of all excess treated seed by burying seed away from bodies of water. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.
- Treated seeds must be planted at a minimum depth of 1 inch.
- This compound is highly toxic to bees exposed directly (contact). Ensure that planting equipment is functioning properly in accordance with manufacturing recommendations to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds.
- This product contains metalaxyl which is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.
- **DO NOT** graze or feed soybean forage and hay to livestock.
- Areas planted with treated soybean seed may be replanted immediately with bulb vegetables, canola, cereal grains, cotton, fruiting vegetables (including cucurbits), leafy vegetables (including brassica vegetables), rapeseed, root and tuber vegetables and soybean. These areas may also be replanted after 30 days with dry beans, grasses and non-grass animal feeds. These areas may also be replanted after 8 months with sugarcane. **DO NOT** plant any other crop in the treated area for at least one year after these treated seeds are planted.
- **DO NOT** re-use bags from treated seed to handle food or feed products.
- **DO NOT** use augers used for handling treated seed to move seed for feed, food or oil processing.
- Foliar spray of clothianidin can be applied 45 days after planting ***REVIZE PBI*** treated soybean seed for mid- to late-season foliar insects.
- Not registered for use on soybeans in California.
- Ipconazole may persist in soil, and long term use in the same field may result in accumulation of active ingredient.

SOYBEAN (Not registered for use on soybeans in California)			
		***REVIZE PBI* Use Rates**	
Seed/Seedling Diseases	**Insect Pests**	**fl oz/ 100 lbs seed**	**mg active ingredient per seed[1]**
Seed Rots (including seed-borne *Phomopsis*, seed-borne *Sclerotinia*, seed-borne *Fusarium*, *Penicillium* and *Aspergillus*) Damping off and Seed Blights Pythium Seed Decay and Seedling Dieback Early Season *Phytophthora sojae* Root Rot Soil-borne *Fusarium* and *Rhizoctonia solani*	Aphids Bean Leaf Beetle Grape Colaspis Leafhoppers Pea Leaf Weevil Seed Corn Maggot Three Cornered Alfalfa Hopper Thrips White Grubs Wireworm	3.37	Clothianidin - 0.081 mg Ethaboxam - 0.012 mg Ipconazole - 0.004 mg Metalaxyl - 0.0032 mg

- Foliar spray of clothianidin can be applied 45 days after planting ***REVIZE PBI*** treated soybean seeds for mid- to late-season foliar insects.
- Regardless of application method, **DO NOT** apply more than 0.2 lb (90.7 g) of clothianidin active ingradient per acre per year.
- **DO NOT** graze or feed soybean forage and hay to livestock.

[1] mg active ingredient per seed is based on 2800 seeds per pound, thus delivering 0.1002 mg ai/seed total active ingredients.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage and disposal.

PESTICIDE STORAGE: Store in a dry place away from excessive heat. **DO NOT** store near food or feed. Store in original container only. To close package, replace and tighten cap to form an airtight seal. **DO NOT** freeze.

PESTICIDE DISPOSAL: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

CONTAINER HANDLING: Nonrefillable container. **DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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 60 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. Offer for recycling, if available; otherwise dispose of in a sanitary landfill or by incineration if allowed by state and local authorities.

RECYCLING: Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact the Ag Container Recycling Council (ACRC) at 877-952-2272 (toll free) or www.acrecycle.org.

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PREVIEW