THIAMETHOXAM	GROUP 4A	INSECTICIDE	MEFENOXAM	GROUP 4	FUNGICIDE			
SEDAXANE	GROUP 7	FUNGICIDE	FLUDIOXONIL	GROUP 12	FUNGICIDE	PICARBUTRAZOX	GROUP U17	FUNGICIDE

PULL HERE TO OPEN

GoldenHarvest® Preferred Seed Treatment™

Engineered Fungicide-Insecticide Premix

A seed treatment product for protection against early-season damage from listed insects, seed-borne diseases, and seedling diseases on soybean.

Active Ingredients:

Thiamethoxam[1]	16.30%
Mefenoxam[2]	2.45%
Picarbutrazox[3]	0.82%
Fludioxonil[4]	0.82%
Sedaxane[5]	0.82%
Other Ingredients:	78.79%
Total:	100.00%

[1]CAS No. 153719-23-4
[2]CAS No. 70630-17-0 and CAS No. 69516-34-3
[3]CAS No. 500207-04-5
[4]CAS No. 131341-86-1
[5]CAS No. 874967-67-6

Golden Harvest Preferred Seed Treatment is a flowable concentrate for seed treatment containing 1.52 lb thiamethoxam, 0.23 lb mefenoxam, 0.08 lb picarbutrazox, 0.08 lb fludioxonil and 0.08 lb sedaxane per gallon.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use in booklet.

EPA Reg. No. 100-1690

EPA Est. No. 100-NE-001

SCP 1069C-L1A 0826
4260902

Escanee QR para Español

15 GALLONS

Net Contents

PRODUCT ID: 71842

syngenta®

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1.0 FIRST AID

FIRST AID	
If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOTLINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call **1-800-888-8372**	

2.0 PRECAUTIONARY STATEMENTS

2.1 Hazards to Humans and Domestic Animals

CAUTION

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

2.2 Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of: barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, Viton™ ≥14 mils
- Shoes plus socks

2.3 User Safety Requirements

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.

2.4 Engineering Controls

When handlers use closed systems in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.607 (d) and (e)), the handler PPE requirements may be reduced or modified as specified in the WPS.

2.5 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.

2.6 Environmental Hazards

This product is toxic to wildlife, freshwater and estuarine/marine fish, oysters, and shrimp and highly toxic to aquatic invertebrates. Runoff may be hazardous to aquatic organisms in neighboring areas. Exposed treated seed may be hazardous to wildlife. Cover or collect treated seed spilled during loading and planting. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

2.6.1 GROUNDWATER ADVISORY

Mefenoxam is known to leach through soil into groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow, and may result in groundwater contamination.

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

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

2.6.2 POLLINATOR PRECAUTIONS

Thiamethoxam is highly toxic to bees and other pollinating insects, and effects are possible as a result of exposure to translocated residues in blooming crops.

2.7 Physical or Chemical Hazards

DO NOT use, pour, spill or store near heat or open flame. **DO NOT** store near or use with oxidizing agents. **DO NOT** mix or allow coming in contact with oxidizing agents. Hazardous chemical reaction may occur.

DIRECTIONS FOR USE

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

For use in commercial seed treatment facilities. Use is also permitted as an end-use seed treatment on agricultural establishments at planting, or immediately before planting, as specified in the Crop Use Directions. **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 pesticide regulation. **DO NOT** use for at-plant applications (including hopper box, planter box, etc.). This product is to be used in liquid or slurry treaters only.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR INSECT AND/OR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.

AGRICULTURAL USE REQUIREMENTS

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

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 hours. Exception: If the seed is treated with the product and the treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

continued…

AGRICULTURAL USE REQUIREMENTS *(continued)*

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls
- Chemical-resistant gloves: barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, Viton ≥14 mils
- Shoes plus socks

Treatment of highly mechanically scarred or damaged seed or seed known to be of low vigor and poor quality may result in reduced germination and/or reduction of seed and seedling vigor. Treat a quantity of seed using equipment similar to that planned for treating the total seed lot. Prior to treatment, conduct germination tests on a portion of seed before committing the total seed lot to a selected seed treatment.

Due to seed quality, crop or variety sensitivity, and seed storage conditions beyond the control of Syngenta, no claims are made to guarantee the germination of seed or propagating material for all crop seed when treated with Golden Harvest Preferred Seed Treatment.

3.0 PRODUCT INFORMATION

Golden Harvest Preferred Seed Treatment is a seed treatment product containing the active ingredients thiamethoxam (insecticide) and fludioxonil, mefenoxam, picarbutrazox and sedaxane (fungicides). Golden Harvest Preferred Seed Treatment protects against damage from listed early-season insects, soil-borne and seed-borne diseases.

Thiamethoxam is a systemic seed treatment insecticide belonging to the neonicotinoid class of chemistry. Thiamethoxam protects against listed chewing and sucking insects through contact and ingestion.

Mefenoxam fungicide is active against *Pythium, Phytophthora* and systemic downy mildew.

Picarbutrazox fungicide is active against *Pythium* and *Phytophthora* causing seed rot and damping-off.

Fludioxonil fungicide is active against *Fusarium* and *Rhizoctonia*, and suppresses seed-borne *Sclerotinia* as well as provides protection from seed-borne *Diaporthe-Phomopsis* disease complex sometimes referred to as pod and stem blight (*Phomopsis* spp. & *Diaporthe* spp.). Fludioxonil also protects against *Helminthosporium*, and weakly pathogenic fungi such as *Aspergillus* and *Penicillium*.

Sedaxane fungicide is active against seed decay, seedling blight and damping-off caused by *Rhizoctonia* species.

3.1 Resistance Management

THIAMETHOXAM	GROUP	4A	INSECTICIDE

For resistance management, Golden Harvest Preferred Seed Treatment contains thiamethoxam, a Group 4A insecticide. Any insect population may contain individuals naturally resistant to Golden Harvest Preferred Seed Treatment 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.

Thiamethoxam is a systemic insecticide belonging to the neonicotinoid class of chemistry which includes nicotinic acetylcholine receptor (nAChR) agonists.

To delay insecticide resistance, take the following steps:

- Rotate the use of Golden Harvest Preferred Seed Treatment 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/acaricides 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 advisors 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 Syngenta at 1-866-796-4368.

Syngenta encourages responsible product stewardship to ensure effective long-term protection from the insect pests on this label.

MEFENOXAM	**GROUP**	**4**	**FUNGICIDE**
SEDAXANE	**GROUP**	**7**	**FUNGICIDE**
FLUDIOXONIL	**GROUP**	**12**	**FUNGICIDE**
PICARBUTRAZOX	**GROUP**	**U17**	**FUNGICIDE**

For resistance management, please note that Golden Harvest Preferred Seed Treatment contains Group 4/mefenoxam, Group 7/sedaxane, Group 12/fludioxonil and Group U17/picarbutrazox fungicides. Any fungal population may contain individuals naturally resistant to Golden Harvest Preferred Seed Treatment and other Group 4, Group 7, Group 12 and Group U17 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

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

- Rotate the use of Golden Harvest Preferred Seed Treatment or other Group 4, Group 7, Group 12 or Group U17 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides 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 specific crop and pathogens.
- For further information or to report suspected resistance contact Syngenta at 1-866-Syngent(a) (866-796-4368). You can also contact your pesticide distributor or university extension specialist to report resistance.

Syngenta encourages responsible product stewardship to ensure effective long-term control of the fungal diseases on this label.

For additional information on Fungicide Resistance Management:

- Contact Syngenta representatives at 1-866-796-4368.
- Contact your local extension specialist or certified crop advisor.
- Visit the Fungicide Resistance Action Committee (FRAC) on the web at: http://www.frac.info.

4.0 APPLICATION DIRECTIONS

4.1 Mixing Directions

Important: Always re-circulate Golden Harvest Preferred Seed Treatment thoroughly before using.

The typical density of Golden Harvest Preferred Seed Treatment is 9.35 pounds per gallon. Consult the manufacturer of the application equipment you plan to use for suitability for this application and for instructions on operation and calibration of the equipment. Follow the manufacturer application instructions for the seed treatment equipment being used.

Apply Golden Harvest Preferred Seed Treatment as a water-based slurry utilizing standard slurry seed treatment equipment which provides uniform seed coverage. Uneven or incomplete seed coverage may not give the desired level of disease control. Thoroughly mix the specified amount of Golden Harvest Preferred Seed Treatment into the required amount of water or liquid inoculant for the slurry treater and dilution rate to be used.

Certain crops require addition of inoculants when the seed is treated or planted. Golden Harvest Preferred Seed Treatment is compatible with several liquid inoculant products. Consult the maker of the inoculant product and a Syngenta representative for directions before applying Golden Harvest Preferred Seed Treatment with inoculants.

The total application volume must be sufficient to provide desired level of coverage. Dilution is typically done with water or liquid inoculants. The minimum slurry volume to achieve adequate coverage is 4.0 fluid ounces per 100 pounds of seed. More diluent may be required to obtain complete coverage.

Continuous agitation or mixing of the slurry mixture is necessary to prevent settling out of the solution.

Allow seed to dry before bagging.

Follow planter manufacturer specifications for use of talc or other hopper box additives at planting. Seed must be completely dry before adding to planter.

Required Dye Statement: Seed treated with this product must be visually identifiable from untreated seed by the use of an approved colorant or dye to prevent accidental use of treated seed as food for humans or feed for animals. Refer to 21 CFR, Part 2.25. Any colorant or dye added to treated seed must be cleared for use in accordance with 40 CFR, Part 153.155(c).

4.1.1 TANK-MIX PRECAUTIONS

Mixing Golden Harvest Preferred Seed Treatment with tank-mix partners: Add 1/2 of the required water to the mix tank and turn on the agitation.

Mechanical agitation is preferred. Follow WALES method for mixing order of seed treatment products. Allow each tank-mix partner to completely disperse before adding the next product. Add the remaining amount of water and agitate. Maintain agitation until the entire slurry mixture has been used.

Continuous agitation or mixing of the slurry mixture is necessary to prevent settling out of the solution. Clean out any unused product from the treater after treating or maintain constant agitation if the leftover slurry will be maintained overnight.

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.

4.1.2 TANK-MIX COMPATIBILITY

When mixing Golden Harvest Preferred Seed Treatment with other seed treatment products, test the compatibility prior to use by conducting a jar test: mix all intended seed treatments with the appropriate amount of water in a clear glass container. Mix well and allow mixture to sit for one hour. Remix and observe for incompatibility.

5.0 ROTATIONAL CROP RESTRICTIONS

- In the event of crop failure or harvest of a crop grown from seed treated with Golden Harvest Preferred Seed Treatment, the field may be replanted according to the following schedule:

Plantback Interval Table

Immediate Plantback	Minimum 30-Day Plantback Interval
Corn (Field, Pop, Sweet) Soybean	Alfalfa Canola Cereal Grains Crop Group 15 Cotton Cucurbit Vegetables Crop Group 9 Dried Shelled Pea and Bean (except soybean) Crop Group 6C Fruiting Vegetables Crop Group 8 Head and Stem Brassica Crop Subgroup 5A Leafy Brassica Greens Crop Subgroup 5B Leafy Vegetables Crop Group 4 Legume Vegetables (Succulent or Dried) Crop Group 6 Mint: Peppermint and Spearmint Oilseeds: Borage, Crambe, Flax Seed, and Mustard Seed Onion, Dry Bulb Peanut Potato Root Vegetables Crop Subgroup 1A Safflower Strawberry Sugarbeet Sunflower Tobacco Tuberous and Corm Vegetables (Except Potato) Crop Subgroup 1D

- For any other crops the minimum plant back interval is 120 days from the date the soybean seeds treated with Golden Harvest Preferred Seed Treatment were planted. A cover crop other than the crops listed above that is planted for erosion control or soil improvement may be planted sooner than the 120-day interval; however, the crop may not be grazed or harvested for food or feed.

6.0 RESTRICTIONS AND PRECAUTIONS

6.1 Use Restrictions

- Maximum usage when applying both metalaxyl- and mefenoxam-containing products to the same crop within the same season: **DO NOT** apply more than the maximum seasonal total for the active ingredient as stated on the label of the product containing the lowest seasonal total on that crop.
- **DO NOT** use at a rate that will result in more than 0.266 lb thiamethoxam per acre (120 grams ai/A) per calendar year, regardless of type of application (seed treatment and/or foliar).
- **DO NOT** use at a rate that will result in more than 0.083 lb thiamethoxam per acre (37.8 grams ai/A) per calendar year as a seed treatment application. This seed has been treated with 0.0756 mg ai thiamethoxam per seed.
- **DO NOT** apply more than 0.004 lb (2.0 g) of fludioxonil per acre per calendar year as a seed treatment. This seed has been treated with 0.0039 mg ai fludioxonil per seed.
- **DO NOT** apply more than 0.013 lb (5.7 g) of mefenoxam per acre per calendar year as a seed treatment. This seed has been treated with 0.0114 mg ai mefenoxam per seed.
- **DO NOT** apply more than 0.004 lb (2.0 g) of sedaxane per acre per calendar year as a seed treatment. This seed has been treated with 0.0039 mg ai sedaxane per seed.
- **DO NOT** apply more than 0.004 lb (2.0 g) of picarbutrazox per acre per calendar year as a seed treatment. This seed has been treated with 0.0039 mg ai picarbutrazox per seed.

- **DO NOT** plant more than 250,000 soybean seed per acre.
- **DO NOT** apply a neonicotinoid insecticide within 45 days of planting seed treated with Golden Harvest Preferred Seed Treatment.
- This treated seed may be planted on the same acres up to 2 times per year.
- **DO NOT** use for feed, food, or oil purposes.
- **Required Dye Statement:** Seed treated with this product must be visually identifiable from untreated seed by the use of an approved colorant or dye to prevent accidental use of treated seed as food for humans or feed for animals. Refer to 21 CFR, Part 2.25. Any colorant or dye added to treated seed must be cleared for use in accordance with 40 CFR, Part 153.155(c).
- **DO NOT** allow children, pets, or livestock to have access to treated seed.
- Store away from feed and foodstuffs.
- Treated seed must be planted into the soil at a depth greater than 1 inch.

7.0 SEED CONTAINER LABEL REQUIREMENTS

7.1 Use of on Farm Treated Seed (when treated seed are not for sale or distribution)

Treated seed sold or distributed for a use not permitted by the following labeling does not qualify as an exempted treated article under 40 CFR 152.25(a) and is therefore sale or distribution of an unregistered pesticide, pursuant to FIFRA section 12.

- Store treated seed away from food and feedstuffs.
- **DO NOT** allow children, pets, or livestock to have access to treated seed.
- Treated seed are for planting purposes only. **DO NOT** use for food, feed, or oil purposes. **DO NOT** use treated seed for fuel or ethanol production purposes.
- Wear long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves when handling treated seed.
- **DO NOT** plant treated seed by broadcasting to the soil surface. Ensure that all planted seed are thoroughly incorporated by the planter during planting. Additional incorporation may be required to thoroughly cover exposed seed.
- Treated seed exposed on the soil surface may be hazardous to wildlife. Cover or collect treated seed spilled during loading and planting (such as in row ends).
- Treated seed must be planted into the soil at a depth greater than 1 inch.
- Manage excess treated seed (e.g., spilled, unused, or expired treated seed) by one or more of the following methods:
  - o Collect excess treated seed for reuse for planting.
  - o Bury excess treated seed (only allowed if totaling 1 pound or less) at least 30 feet away from bodies of water at a depth of 6 inches or double the planting depth, whichever is greater.
  - o Dispose of excess treated seed by placing them in a landfill in accordance with applicable laws in your state.
  - o Return excess treated seed to the supplier if permitted by the state.
- **Advisory Dust-Reducing Technique:** The use of seed flow lubricants or polymer coatings may help decrease the amount of dust released during planting. Follow the recommendations of the planter manufacturer regarding the use of seed flow lubricants.
- This treated seed may be planted on the same acres up to 2 times per year.

7.2 Seed Treatment in Commercial Facilities or Seed Treatment on Farm (when treated seed are to be sold or distributed) – Seed Bag Labeling Requirements

The Federal Seed Act requires that bags containing treated seed shall be labeled with the following statements:

- This seed has been treated with thiamethoxam insecticide and fludioxonil, mefenoxam, picarbutrazox and sedaxane fungicides.
- **DO NOT** use for food, feed, or oil purposes.

The U.S. Environmental Protection Agency requires that bags containing treated seed shall be labeled with the following statements. Any seed treated with Golden Harvest Preferred Seed Treatment that is sold or distributed without these statements or that is sold or distributed for a use not permitted by the following labeling does not qualify as an exempted treated article under 40 CFR 152.25(a) and is therefore sale or distribution of an unregistered pesticide, pursuant to FIFRA section 12(a)(1)(A).

This seed has been treated with Golden Harvest Preferred Seed Treatment (EPA Reg No. 100-1690) containing fludioxonil, mefenoxam, picarbutrazox, sedaxane, and thiamethoxam. Any seed treated with Golden Harvest Preferred Seed Treatment that is sold or distributed for a use not permitted by the following labeling does not qualify as an exempted treated article under 40 CFR 152.25(a) and is therefore sale or distribution of an unregistered pesticide, pursuant to FIFRA section 12(a)(1)(A).

- The contents of this bag are for planting purposes only. **DO NOT** use for food, feed, or oil purposes. **DO NOT** use for fuel or ethanol production purposes.
- **Advisory Dust-Reducing Technique:** The use of seed flow lubricants or polymer coatings may help decrease the amount of dust released during planting. Follow the recommendations of the planter manufacturer regarding the use of seed flow lubricants.
- **Groundwater Advisory:** Mefenoxam is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Fludioxonil and Thiamethoxam have properties and characteristics associated with chemicals detected in groundwater. Mefenoxam, Fludioxonil, and Thiamethoxam may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.
- **Pollinator Precautions:** Thiamethoxam is highly toxic to bees and other pollinating insects, and effects are possible as a result of exposure to translocated residues in blooming crops.
- **DO NOT** allow children, pets, or livestock to have access to treated seed.
- Store treated seed away from food and feedstuffs.
- Wear long-sleeved shirt, long pants and chemical resistant gloves when handling treated seed.
- **DO NOT** plant treated seed by broadcasting to the soil surface. Ensure that all planted seed are thoroughly incorporated by the planter during planting. Additional incorporation may be required to thoroughly cover exposed seed.
- Treated seed exposed on soil surface may be hazardous to wildlife. Cover or collect treated seed spilled during loading and planting (such as in row ends).
- Manage excess treated seed (e.g., spilled, unused, or expired treated seed) by one or more of the following methods:
  - o Collect excess treated seed for reuse for planting.
  - o Bury excess treated seed (only allowed if totaling 1 pound or less) at least 30 feet away from bodies of water at a depth of 6 inches or double the planting depth, whichever is greater.
  - o Dispose of excess treated seed by placing them in a landfill in accordance with applicable laws in your state.
  - o Return excess treated seed to the supplier if permitted by the state.
- Treated seed must be planted into the soil at a depth greater than 1 inch.
- **DO NOT** contaminate water bodies when disposing of planting equipment wash waters.
- Dispose of seed packaging in accordance with local requirements.

- In the event of crop failure or harvest of a crop grown from seed treated with Golden Harvest Preferred Seed Treatment, the field may be replanted according to the following schedule:

Plantback Interval Table

Immediate Plantback	Minimum 30-Day Plantback Interval
Corn (Field, Pop, Sweet) Soybean	Alfalfa Canola Cereal Grains Crop Group 15 Cotton Cucurbit Vegetables Crop Group 9 Dried Shelled Pea and Bean (except soybean) Crop Group 6C Fruiting Vegetables Crop Group 8 Head and Stem Brassica Crop Subgroup 5A Leafy Brassica Greens Crop Subgroup 5B Leafy Vegetables Crop Group 4 Legume Vegetables (Succulent or Dried) Crop Group 6 Mint: Peppermint and Spearmint Oilseeds: Borage, Crambe, Flax Seed, and Mustard Seed Onion, Dry Bulb Peanut Potato Root Vegetables Crop Subgroup 1A Safflower Strawberry Sugarbeet Sunflower Tobacco Tuberous and Corm Vegetables (Except Potato) Crop Subgroup 1D

- For any other crops the minimum plant back interval is 120 days from the date the seeds treated with Golden Harvest Preferred Seed Treatment were planted. A cover crop other than the crops listed above that is planted for erosion control or soil improvement may be planted sooner than the 120-day interval; however, the crop may not be grazed or harvested for food or feed.
- **DO NOT** use at a rate that will result in more than 0.266 lb thiamethoxam per acre (120 grams ai/A) per calendar year, regardless of type of application (seed treatment and/or foliar). **DO NOT** use at a rate that will result in more than 0.083 lb thiamethoxam per acre (37.8 grams ai/A) per calendar year as a seed treatment application. **DO NOT** apply more than 0.004 lb (2.0 g) of fludioxonil per acre per calendar year as a seed treatment. **DO NOT** apply more than 0.013 lb (5.7 g) of mefenoxam per acre per calendar year as a seed treatment. **DO NOT** apply more than 0.004 lb (2.0 g) of sedaxane per acre per calendar year as a seed treatment. **DO NOT** apply more than 0.004 lb (2.0 g) of picarbutrazox per acre per calendar year as a seed treatment.
- This seed has been treated with 0.0756 mg ai thiamethoxam, 0.0039 mg ai fludioxonil, 0.0114 mg ai mefenoxam, 0.0039 mg ai sedaxane, and 0.0039 mg ai picarbutrazox per seed.
- **DO NOT** plant more than 250,000 soybean seed per acre.
- **DO NOT** apply a neonicotinoid insecticide within 45 days of planting seed treated with Golden Harvest Preferred Seed Treatment.
- This treated seed may be planted on the same acres up to 2 times per year.
- All seed bag tags must be legible and set in at least 8-point font size.

8.0 CROP USE DIRECTIONS

When applied according to the **Golden Harvest Preferred Seed Treatment Rate Table**, Golden Harvest Preferred Seed Treatment provides early season protection against injury by aphids, bean leaf beetle, grape colaspis, leaf miners, leaf hoppers, Mexican bean beetle, seed corn maggot, three-cornered alfalfa hopper, thrips, white grubs, and wireworm.

Golden Harvest Preferred Seed Treatment also provides protection against damping-off and seed borne rots due to *Pythium, Phytophthora, Fusarium, Rhizoctonia* species and early season *Phytophthora* root rot as well as Anthracnose on soybean caused by seed-borne *Colletotrichum* spp. Golden Harvest Preferred Seed Treatment also provides protection from seed-borne Diaporthe-Phomopsis disease complex sometimes referred to as pod and stem blight (*Phomopsis* spp. & *Diaporthe* spp.), *Helminthosporium*, and weakly pathogenic fungi such as *Aspergillus* and *Penicillium*. Additional Apron XL® or similar fungicide may be necessary for high levels of *Phytophthora* or *Pythium*. Read and follow all label direction for Apron XL use.

It is the pesticide user's responsibility to ensure that all products in a tank mix are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products of the mixture (for example, first aid from one product, REI from another).

8.1 Soybean

Golden Harvest Preferred Seed Treatment Rate Table

Crop	Rate of Golden Harvest Preferred Seed Treatment		
Soybean	**fl oz per 100 lb seed[1] or fl oz per 140,000 seeds[1]**	**grams ai per 100 kg seed**	**mg ai per seed**
	4.18 fl oz per 100 lb seed or 1.95 fl oz per 140,000 seeds	Thiamethoxam 50 gm Picarbutrazox 2.6 gm Mefenoxam 7.5 gm Fludioxonil 2.6 gm Sedaxane 2.6 gm Total = 65.3 gm	Total of all active ingredients = 0.0983 mg

[1]The mg ai per seed, fl oz Golden Harvest Preferred Seed Treatment per 100 lb seed, and fl oz Golden Harvest Preferred Seed Treatment per 140,000 seeds rates are based on 3,000 soybean seeds per pound.

STORED GRAIN PROTECTION

When treated according to the directions for post-planting protection against listed pests, Golden Harvest Preferred Seed Treatment will also provide protection during post treatment storage of the seed listed on this label against damage from the following stored grain insects: Indian Meal Moth (*Plodia interpunctella*), Rice Weevil (*Sitophilus oryza*), Red Flour Beetle (*Tribolium castaneum*), and Lesser Grain Borer (*Rhizopertha dominica*).

If the seed to be treated has existing infestations of stored grain insects, fumigate the seed with a registered product approved for such use prior to treating with Golden Harvest Preferred Seed Treatment and bagging.

9.0 STORAGE AND DISPOSAL

STORAGE AND DISPOSAL

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

Pesticide Storage

Store in the original container and only in a cool, dry, secure place. Store between a range of 32°F to 100°F.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes.

Pesticide Disposal

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. If these wastes cannot be disposed of by 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 (less than or equal to 5 gallons)

Non-refillable container. DO NOT reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 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 incineration, or by other procedures approved by state and local authorities.

Container Handling (greater than 5 gallons)

Non-refillable container. DO NOT reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 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 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 incineration, or by other procedures approved by state and local authorities.

Container Handling (greater than 5 gallons)

Refillable container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER.

10.0 CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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

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

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions, or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

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

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For non-emergency (e.g. current product information), call
Syngenta Crop Protection at 1-866-796-4368.

Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1069C-L1A 0826
4260902

NOTES

THIAMETHOXAM	GROUP	4A	INSECTICIDE
MEFENOXAM	GROUP	4	FUNGICIDE
SEDAXANE	GROUP	7	FUNGICIDE
FLUDIOXONIL	GROUP	12	FUNGICIDE
PICARBUTRAZOX	GROUP	U17	FUNGICIDE

GoldenHarvest® Preferred Seed Treatment™

Engineered Fungicide-Insecticide Premix

A seed treatment product for protection against early-season damage from listed insects, seed-borne diseases, and seedling diseases on soybean.

Active Ingredients:

Thiamethoxam[1]	16.30%
Mefenoxam[2]	2.45%
Picarbutrazox[3]	0.82%
Fludioxonil[4]	0.82%
Sedaxane[5]	0.82%
Other Ingredients:	78.79%
Total:	100.00%

[1]CAS No. 153719-23-4
[2]CAS No. 70630-17-0 and CAS No. 69516-34-3
[3]CAS No. 500207-04-5
[4]CAS No. 131341-86-1
[5]CAS No. 874967-67-6

Golden Harvest Preferred Seed Treatment is a flowable concentrate for seed treatment containing 1.52 lb thiamethoxam, 0.23 lb mefenoxam, 0.08 lb picarbutrazox, 0.08 lb fludioxonil and 0.08 lb sedaxane per gallon.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Reg. No. 100-1690

EPA Est. No. 100-NE-001

PRODUCT ID: 71842

15 GALLONS

Net Contents

(01) 0 07 02941 71842 5

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use in booklet.

FIRST AID

If swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
HOTLINE NUMBER: For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call **1-800-888-8372**.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

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

Environmental Hazards: This product is toxic to wildlife, freshwater and estuarine/marine fish, oysters, and shrimp and highly toxic to aquatic invertebrates. Runoff may be hazardous to aquatic organisms in neighboring areas. Exposed treated seed may be hazardous to wildlife. Cover or collect treated seed spilled during loading and planting. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

Groundwater Advisory: Mefenoxam is known to leach through soil into groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow, and may result in groundwater contamination.
Fludioxonil has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow, and may result in groundwater contamination.
Thiamethoxam has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow, and may result in groundwater contamination.

Pollinator Precautions: Thiamethoxam is highly toxic to bees and other pollinating insects, and effects are possible as a result of exposure to translocated residues in blooming crops.

Physical or Chemical Hazards: DO NOT use, pour, spill or store near heat or open flame. **DO NOT** store near or use with oxidizing agents. **DO NOT** mix or allow coming in contact with oxidizing agents. Hazardous chemical reaction may occur.

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