ISOCYCLOSERAM | GROUP 30 | INSECTICIDE

PULL HERE TO OPEN

Escanee QR
para Español

Equento® 400FS

syngenta®

Insecticide

A seed treatment product for protection against damage from certain insects of cereals (small grain), dried shelled peas, beans, lentils, and chickpea.

PLINAZOLIN® technology*

Active Ingredient:	
Isocycloseram**	34.8%
Other Ingredients:	65.2%
Total:	100.0%

**PLINAZOLIN technology denotes the Syngenta trademark for the active ingredient isocycloseram*

***CAS No. 2061933-85-3*

Equento 400FS is a flowable concentrate for seed treatment containing 3.34 lb isocycloseram per gallon.

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 additional Precautionary Statements and Directions for Use inside booklet.

EPA Reg. No. 100-1708 EPA Est. 100-NE-001

Product of United Kingdom

SCP 1708A-L2 1125 4237593

PRODUCT ID: 81537

15 gallons
Net Contents

®

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1.0 FIRST AID

FIRST AID
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
SYNGENTA 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

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
- Socks
- Shoes
- Chemical-resistant gloves

2.3 User Safety Requirements

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

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 170.240(d)(4-6)), the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown. Users must rinse extraction probes within the pesticide container prior to removal of the probes.

2.5 User Safety Recommendations

Users should:

- 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

2.6.1 POLLINATOR PRECAUTIONS

Isocycloseram is highly toxic to bees and other pollinating insects exposed to direct treatment, or to residues in/on blooming crops or weeds.

2.6.2 NON-TARGET ORGANISM ADVISORY

This pesticide is toxic to fish and highly toxic to aquatic invertebrates. Do not contaminate water when disposing of equipment washwaters.

2.7 Physical or Chemical Hazards

Do not mix or allow contact with oxidizing agent. 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.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

This product must be applied with commercial seed-treating equipment with closed transfer and application systems. Use is permitted in commercial seed treatment facilities and as an end-use seed treatment on agricultural establishments before planting. **DO NOT** use for at-plant applications (e.g., hopper box, planter box). This product is to be used in liquid or slurry treaters only.

FAILURE TO FOLLOW DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR INSECT 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), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

Exception: If the product is 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.

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

- Coveralls
- Shoes and socks
- Chemical-resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils or Viton™ ≥ 14 mils

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. Then conduct germination tests with a portion of this treated 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 Equento 400FS.

3.0 PRODUCT INFORMATION

Equento 400FS is a seed treatment product containing the active ingredient isocycloseram (insecticide). Equento 400FS protects cereals (small grain), and dried shelled peas and beans against early-season damage from specified insect pests.

Refer to the Crop Use Directions for approved crops and insects controlled by Equento 400FS.

3.1 Resistance Management

Some insects are known to develop resistance to products after repeated use. Because resistance development cannot be predicted, the use of this product should conform to sound resistance management strategies established for the crop and use area. Syngenta encourages responsible product stewardship to ensure effective long-term control of the insects on this label. Consult your local or state agricultural authorities for details.

Equento 400FS contains a Group 30 insecticide. Insect biotypes with acquired or inherent resistance to Group 30 insecticides may eventually dominate the insect population if Group 30 insecticides are used repeatedly as the predominant method of control for targeted species. This may result in partial or total loss of control of those species by Equento 400FS and other Group 30 insecticides.

Isocycloseram binds to a site on the GABA receptor, resulting in a block of inhibitory neurotransmission, hyperexcitation, and death of target insects, and is a GABA-gated chloride channel allosteric modulator.

If resistance to this product develops in your area, this product or other products with similar modes 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 company representative or agricultural advisor for the best alternative method of control for your area.

Maintaining Susceptibility to This Class of Chemistry

- Use products at their full, recommended doses.
- Use appropriate, well-maintained equipment. Use recommended water volumes and apply at optimal temperatures in order to obtain optimal treatment.
- When rate ranges are given, use the higher rate within the listed rate range when insect pressure is expected to be high.
- Avoid using Group 30 insecticides exclusively for season-long control of insect species with more than one generation per crop season.
- For insect species with successive or overlapping generations, use a treatment window approach. A treatment window is a period of time as defined by the stage of crop development and/or the biology of the pests of concern. Within the treatment window, depending on the length of residual activity, single or consecutive applications may be made using seed, in-furrow, or foliar treatments unless otherwise excluded by product labels. Do not exceed the maximum amount of this insecticide's mode of action allowed per growing season.
- Following a treatment window of Group 30 insecticides, rotate to a treatment window of effective products with a different mode of action before making additional applications of Group 30 insecticides.
- A treatment window rotation along with other Integrated Pest Management (IPM) practices for the crop and use area are considered an effective strategy for preventing or delaying a pest's ability to develop resistance to this class of chemistry.
- If resistance is suspected, do not reapply Equento 400FS or other Group 30 insecticides.

Other Insect Resistance Management (IRM) Practices

- Incorporate IPM techniques into your insect control program.
- Monitor treated insect populations for loss of field efficacy.
- Use tank-mixtures or premixes with insecticides from a different target site of action group as long as the involved products are all registered for the same crop outlet and effective rates are applied.

Other Sources of Information on Insect Resistance Management

- Contact your local extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations.
- Visit the Insecticide Resistance Action Committee (IRAC) on the web at: http://www.irac-online.org/.

4.0 APPLICATION DIRECTIONS

Important: Re-circulate Equento 400FS thoroughly before using.

This product must be applied with commercial seed-treating equipment with closed transfer and application systems. Use is permitted in commercial seed treatment facilities and as an end-use seed treatment on agricultural establishments

before planting. DO NOT use for at-plant applications (e.g., hopper box, planter box). This product is to be used in liquid or slurry treaters only. Follow the manufacturer's application instructions for the seed treatment equipment being used.

Apply Equento 400FS as a water-based slurry through standard liquid-type seed treatment equipment that provides uniform seed coverage. Seed treaters with atomizers or spinning discs are highly recommended for better product coverage on the seed. Uneven or incomplete seed coverage may not give the desired level of insect control. Thoroughly mix the specified amount of Equento 400FS 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. Equento 400FS is compatible with several liquid inoculant products. Consult the maker of the inoculant product and a Syngenta representative for directions before applying Equento 400FS with inoculants.

The total application volume must be sufficient to provide desired level of coverage. Dilution is typically done with water or liquid inoculants.

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.

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).

Allow seed to dry before bagging.

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. Seed must be completely dry before adding to planter.

4.1 Use of Treated Seed

4.1.1 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 seeds.
- Treated seeds 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.
- Do not plant treated seeds by broadcasting on the soil surface. Ensure that all planted seeds are thoroughly incorporated by the planter during planting. Additional incorporation may be required to thoroughly cover exposed seeds.
- Treated seed exposed on the soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting, including 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 Excess treated seed may be returned to the supplier if permitted by the state.
- Do not contaminate bodies of water when disposing of equipment wash water.
- Pollinators can be exposed to dust from treated seed when it is carried by air or when it is deposited onto flowering crops, flowering weeds, or water. Avoid planting treated seed in dry and windy conditions close to areas where pollinators may be active and avoid planting if pollinators are foraging downwind. Control nearby flowering weeds before planting to ensure pollinators are not attracted to the site. Avoid releasing dust that may have accumulated in bags and bulk seed containers during transport. Aim to keep any dust in the treated seed bag by not shaking the bags when filling the planting machines. Loading operations should occur at least 10 yards inside the field to be planted, avoiding proximity to apiaries/beehives, hedges, water sources of flowering crops, and weeds. When using vacuum pneumatic sowing machines, the exhaust air should be re-directed to the soil and released close to the soil surface.

Use of downward deflectors may decrease off-site movement of dust.

- 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.

4.1.2 USE OF SEED TREATED IN COMMERCIAL FACILITIES OR ON FARM THAT ARE INTENDED TO BE SOLD OR DISTRIBUTED AFTER TREATMENT

Bags containing treated seed shall be labeled with the statements listed in Section 7.1. Any seed treated with Equento 400FS that is sold or distributed without the statements in Section 7.1 or that is sold or distributed for a use not permitted on this label 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).

4.2 Cleaning Seed-Treatment Equipment

All label-required PPE must be worn when cleaning seed treaters. The use of compressed air for cleaning seed-treating equipment and the area surrounding it is **not** permitted because of the increased potential for dermal or inhalation exposure to contaminated dust. Instead, use a central vacuum system or portable vacuum cleaner with a HEPA filter to clean up if scraping is used to remove dried residue from treaters.

Power/pressure washing of seed treaters is not prohibited but is not recommended because it increases the potential for worker exposure due to splashing and results in additional liquid requiring disposal. Instead, use one of these alternative wet methods of cleaning:

- Wet the walls of the treating drum with a solution of an all-purpose cleaning product and water, but not to the point of drip or overflow. (Water alone is not as effective at cleaning the drum as the solution.) Allow the solution to sit for 5-10 minutes, then wipe down the walls of the treater. Repeat if necessary.
- Add discarded seed or pebbles to the treater along with cleaning solution and water. Run the mixture through the treater a few times until the drum is sufficiently clean.

4.3 Tank Mixtures

Equento 400FS mixes easily with water and other water-based seed treatments manufactured by Syngenta and many other companies. When mixing with products from other manufacturers, test the compatibility prior to use by conducting a jar test: Mix all intended seed treatments with a proportional amount of water to achieve the desired slurry mixture in a clear glass container. Mix well and allow mixture to sit for one hour. Remix and observe for incompatibility.

Mixing Equento 400FS with tank-mix partners: Add ½ of the required water to the mix tank and turn on the agitation. Mechanical agitation is preferred. If using wettable powders, add them first to clean water allowing them to completely disperse prior to adding Equento 400FS or other 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.

Cereals, Small Grain: For additional protection from certain seed-borne and soil-borne pathogens, Equento 400FS may be combined with seed treatment products containing pydiflumetofen, mefenoxam, difenoconazole, fludioxonil, thiabendazole and/or sedaxane. For insect protection, Equento 400FS may be tank mixed with seed treatment products containing thiamethoxam.

Dried Shelled Peas and Beans: For additional protection from certain seed-borne and soil-borne pathogens, Equento 400FS may be combined with seed treatment products containing pydiflumetofen, mefenoxam, fludioxonil, thiabendazole and/or sedaxane. For insect protection, Equento 400FS may be tank mixed with seed treatment products containing thiamethoxam.

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.

5.0 ROTATIONAL CROP RESTRICTIONS

In the event of a crop failure or harvest of a crop grown from seed treated with Equento 400FS, the field may be replanted according to the following schedule:

Immediate Plantback
Brassica Head and Stem Vegetable Crop Group 5-16
Brassica Leafy Greens Crop Subgroup 4-16B, Except Watercress
Bulb Vegetable Crop Group 3-07
Cereals, Small Grain: Barley, Buckwheat, Oats, Pearl Millet, Proso Millet, Rye, Teosinte, Triticale, and Wheat
Corn: Field, Pop, and Seed
Cotton
Cucurbit Vegetables Crop Group 9
Fruiting Vegetables Crop Group 8-10
Leafy Greens Crop Subgroup 4-16A
Peanut
Potato
Pulses, Dried Shelled Bean, except Soybean, Crop Subgroup 6-22E
Pulses, Dried Shelled Pea, Crop Subgroup 6-22F
Rapeseed, Canola Varieties Only
Soybean
Tuberous and Corm Vegetables Crop Subgroup 1C
120-day Plantback
All other crops

6.0 RESTRICTIONS

- Not for Use in Hawaii
- Store treated seed away from food and feedstuffs.
- **DO NOT** allow children, pets, or livestock to have access to treated seed.
- Wear long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seed.
- Treated seed exposed on soil surface may be hazardous to wildlife. Cover or collect treated seed spilled during loading and planting, including in row ends.
- Do not plant treated seed by broadcasting on the soil surface. Ensure that all planted seeds are thoroughly incorporated by the planter during planting; additional incorporation may be required to thoroughly cover exposed seeds.
- Manage excess treated seed (e.g., spilled, unused, or expired treated seed) by one or more of the following methods:
  - Collect excess treated seed for reuse for planting.
  - Bury excess treated seed (only allowed if totaling 1 lb 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.
  - Dispose of excess treated seed by placing them in a landfill in accordance with applicable laws in your state.
  - Excess treated seed may be returned to the supplier if permitted by the state.
- **DO NOT** contaminate water bodies when disposing of planting equipment washwaters.
- Dispose of seed packaging in accordance with local requirements.
- For Cereals, Small Grain:
  - Treated seed must be planted into the soil at a minimum depth of 1 inch.
  - **DO NOT** exceed 0.019 lb ai/A/year (22 g ai/ha/year) of isocycloseram when planting treated seed.
- For Dried Shelled Beans and Peas (Crop Subgroups 6-22E and 6-22F):
  - Treated seed must be planted into the soil at a minimum depth of 1 inch.
  - **DO NOT** exceed 0.03 lb ai/A/year (34 g ai/ha/year) of isocycloseram when planting treated seed.

7.0 SEED CONTAINER LABEL REQUIREMENTS

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

- This seed has been treated with isocycloseram insecticide.
- **DO NOT** use for food, feed, or oil purposes.

This seed has been treated with Equento 400FS (EPA Reg. No. 100-1708) containing isocycloseram. Any seed treated with Equento 400FS 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 fuel or ethanol production purposes.
- Store treated seed away from food and feedstuffs.
- **DO NOT allow children, pets, or livestock to have access to treated seed.**
- Wear long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seed.
- Do not plant treated seed by broadcasting on the soil surface. Ensure that all planted seeds are thoroughly incorporated by the planter during planting, additional incorporation may be required to thoroughly cover exposed seeds.
- 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:
    - Collect excess treated seed for reuse for planting.
    - Bury excess treated seed (only allowed if totaling 1 lb 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.
    - Dispose of excess treated seed by placing them in a landfill in accordance with applicable laws in your state.
    - Excess treated seed may be returned to the supplier if permitted by the state.
- **DO NOT** contaminate water bodies when disposing of planting equipment washwaters.
- Dispose of seed packaging or containers in accordance with local requirements.
- Pollinators can be exposed to dust from treated seed when it is carried by air or when it is deposited onto flowering crops, flowering weeds, or water. **Avoid** planting treated seed in dry and windy conditions close to areas where pollinators may be active and **avoid** planting if pollinators are foraging downwind. **Control** nearby flowering weeds before planting to ensure pollinators are not attracted to the site. **Avoid** releasing dust that may have accumulated in bags and bulk seed containers during transport. **Aim** to keep any dust in the treated seed bag by not shaking the bags when filling the planting machines. Loading operations should occur at least 10 yards inside the field to be planted, **avoiding** proximity to apiaries/beehives, hedges, water sources of flowering crops and weeds. When using vacuum pneumatic sowing machines, the exhaust air should be re-directed to the soil and released close to the soil surface. Use of downward deflectors may decrease off-site movement of dust. 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.

- For Cereals, Small Grain:
  - Treated seeds must be planted into the soil at a minimum depth of 1 inch.
  - **DO NOT** exceed 0.019 lb ai/A/year (22 g ai/ha/year) of isocycloseram when planting treated seed.
- For Dried Shelled Beans and Peas (Crop Subgroups 6-22E and 6-22F):
  - Treated seeds must be planted into the soil at a minimum depth of 1 inch.
  - **DO NOT** exceed 0.03 lb ai/A/year (34 g ai/ha/year) of isocycloseram when planting treated seed.
- In the event of crop failure or harvest of a crop grown from seed treated with Equento 400FS, crops may be re-planted according to the following schedule:

Immediate Plantback
Brassica Head and Stem Vegetable Crop Group 5-16 Brassica Leafy Greens Crop Subgroup 4-16B, Except Watercress Bulb Vegetable Crop Group 3-07 Cereals, Small Grain: Barley, Buckwheat, Oats, Pearl Millet, Proso Millet, Rye, Teosinte, Triticale, and Wheat Corn: Field, Pop, and Seed Cotton Cucurbit Vegetables Crop Group 9 Fruiting Vegetables Crop Group 8-10 Leafy Greens Crop Subgroup 4-16A Peanut Potato Pulses, Dried Shelled Bean, except Soybean, Crop Subgroup 6-22E Pulses, Dried Shelled Pea, Crop Subgroup 6-22F Rapeseed, Canola Varieties only Soybean Tuberous and Corm Vegetables Crop Subgroup 1C
120-day Plantback
All other crops

8.0 CROP USE DIRECTIONS

8.1 Cereals, Small Grain

Not Registered for Use by California

CROPS	INSECTS CONTROLLED	USE RATE	
		fl oz/100 lb seed (lb ai/100 lb seed)	*mg ai/1000 seed
Cereals, Small Grain Barley, Buckwheat, Oats, Pearl Millet, Proso Millet, Rye, Teosinte, Triticale, Wheat **Forage, Fodder and Straw of Small Grain Cereals** Barley, Buckwheat, Oats, Pearl Millet, Proso Millet, Rye, Teosinte, Triticale, Wheat	Wireworm spp. White Grubs Including European Chafer	0.3 (0.0075)	Wheat[1]: 2.83 Barley[2]: 2.83 Oats[3]: 2.07 Rye[4]: 2.18 Triticale[5]: 2.67
*Based on an average seed weight of: 1. 12,000 wheat grains/lb 2. 12,000 barley grains/lb 3. 16,400 oat grains/lb 4. 15,600 rye grains/lb 5. 12,750 triticale grains/lb			
Resistance Management: • Refer to **Section 3.1**.			
USE RESTRICTIONS			
• **DO NOT** exceed 0.019 lb ai/A/year (22 g ai/ha/year) of isocycloseram when planting treated seed.			

8.2 Pulses, Dried Shelled Bean (Except Soybean) Crop Subgroup 6-22E and Pulses, Dried Shelled Pea Crop Subgroup 6-22F

Not Registered for Use by California

CROPS	INSECTS CONTROLLED	USE RATE	
		fl oz/100 lb seed (lb ai/100 lb seed)	*mg ai/1000 seed
Pea (*Pisum* spp.; including, but not limited to dry pea, field pea, green pea, yellow pea, wrinkled pea, marrowfat pea, and garden pea) Chickpea Grass pea Lentil Pigeon pea Cultivars, varieties, and/or hybrids of these commodities African yam bean American potato bean **Bean** (*Lupinus* spp.; including, but not limited to Andean lupin, blue lupin, grain lupin, sweet lupin, white lupin, white sweet lupin, and yellow lupin)	Wireworm spp. *Suppression only:* Seedcorn maggot	0.2 – 0.4 (0.005 – 0.01)	Chickpea[1]: 25.20 – 50.40 Field Pea[2]: 11.78 – 23.55 Lentil[3]: 2.14 – 4.28 Dry Bean[4]: 18.14 – 36.29 Cowpea[5]: 7.08 – 14.17 Lima bean[6]: 25.06 – 50.12 Navy bean[7]: 12.53 – 25.06

CROPS	INSECTS CONTROLLED	USE RATE	
		fl oz/100 lb seed (lb ai/100 lb seed)	*mg ai/1000 seed
Bean (*Phaseolus* spp.; including, but not limited to black bean, cranberry bean, dry bean, field bean, French bean, garden bean, great northern bean, green bean, kidney bean, lima bean, navy bean, pink bean, pinto bean, red bean, scarlet runner bean, tepary bean, and yellow bean) **Bean** (*Vigna* spp.; including, but not limited to adzuki bean, asparagus bean, blackeyed pea, catjang bean, Chinese longbean, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, and yardlong bean) Broad bean (fava bean) Guar bean Goa bean Horse gram Jackbean Lablab bean Morama bean Sword bean Winged pea Velvetbean Cultivars, varieties, and/or hybrids of these commodities	Wireworm spp. *Suppression only:* Seedcorn maggot	0.2 – 0.4 (0.005 – 0.01)	Chickpea[1]: 25.20 – 50.40 Field Pea[2]: 11.78 – 23.55 Lentil[3]: 2.14 – 4.28 Dry Bean[4]: 18.14 – 36.29 Cowpea[5]: 7.08 – 14.17 Lima bean[6]: 25.06 – 50.12 Navy bean[7]: 12.53 – 25.06

*Based on an average seed weight of:
1. 900 chickpeas/lb
2. 1,930 field peas/lb
3. 10,600 lentils/lb
4. 1,250 dry beans/lb
5. 3,200 cowpeas/lb
6. 907 Lima beans/lb
7. 1,814 navy beans/lb

Resistance Management:
- Refer to **Section 3.1**.

USE RESTRICTIONS

- **DO NOT** exceed 0.03 lb ai/A/year (34 g ai/ha/year) of isocycloseram when planting treated seed.

9.0 STORAGE AND DISPOSAL

STORAGE AND DISPOSAL

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

Pesticide Storage

Store in a cool, dry, secure place. Store in original container only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to the label.

Pesticide Disposal

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. 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 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 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 ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill 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 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.

Equento®, PLINAZOLIN®, the ALLIANCE FRAME, the SYNGENTA Logo, and the PURPOSE ICON are Trademarks of a Syngenta Group Company.

Viton™ is a trademark of The Chemours Company FC, LLC

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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 1708A-L2 1125
4237593

ISOCYCLOSERAM	GROUP 30	INSECTICIDE

Equento® 400FS

Insecticide

A seed treatment product for protection against damage from certain insects of cereals (small grain), dried shelled peas, beans, lentils, and chickpea.

PLINAZOLIN® technology*

Active Ingredient:	
Isocycloseram**	34.8%
Other Ingredients:	65.2%
Total:	100.0%

**PLINAZOLIN technology denotes the Syngenta trademark for the active ingredient isocycloseram*

**CAS No. 2061933-85-3

Equento 400FS is a flowable concentrate for seed treatment containing 3.34 lb isocycloseram per gallon.

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 additional Precautionary Statements and Directions for Use inside booklet.

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. 100-1708 EPA Est. 100-NE-001

Product of United Kingdom

PRODUCT ID: 81537

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

SYNGENTA 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

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

Pollinator Precautions: Isocycloseram is highly toxic to bees and other pollinating insects exposed to direct treatment, or to residues in/on blooming crops or weeds.

Non-Target Organism Advisory: This pesticide is toxic to fish and highly toxic to aquatic invertebrates. Do not contaminate water when disposing of equipment washwaters.

Physical or Chemical Hazards: Do not mix or allow contact with oxidizing agent. Hazardous chemical reaction may occur.

Storage And Disposal

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

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

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

SCP 1708A-L2 1125 4237593

(01) 9 07 02941 00775 1

15 gallons

Net Contents

syngenta®