



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

January 16, 2020

George Aux
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, NC 27419

Subject: PRIA Label Amendment – Adding new food uses on: carrot, roots; tropical and subtropical, small fruit, inedible peel, subCG 24A; leafy greens, sCG 4-16A; leaf petiole vegetable, sCG 22B; arugula; garden cress; upland cress; celtuce; fennel, Florence; edible-podded legume vegetable, sCG 6A; succulent shelled pea and bean, sCG 6B, dried shelled pea and bean sCG 6C except soybean
Product Names: Abamectin Technical, Abamectin Technical II, Avicta 400 FS, Agri-Mek SC Miticide/Insecticide
EPA Registration Numbers: 100-895, 100-1259, 100-1211, 100-1351
Petition No: 7F8642
Application Dates: 10/10/17, 2/20/18, 11/10/17
Decision Numbers: 537646, 538792, 538794, 537648, 538797, 538798, 537647, 538800, 538801, 537649, 555938, 555932, 537650

Dear Mr. Aux:

The applications referred to above, submitted under the Federal Insecticide, Fungicide and Rodenticide Act, as amended are acceptable under FIFRA sec 3 (c)(5). You must submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data. Note that the Agency is concurrently approving label mitigation language per the registration review interim decision for abamectin.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of these products must use this labeling unless subsequent changes have been approved. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40

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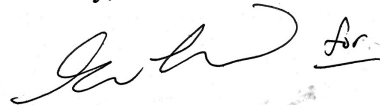
EPA Reg. No. 100-895, 100-1259, 100-1211, 100-1351

Decision No. 537646, 538792, 538794, 537648, 538797, 538798, 537647, 538800, 538801, 537649, 555938, 555932, 537650

CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of these products constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Marianne Lewis by phone at (703) 308-8043 or via email at lewis.marianne@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'M. Laws', with a small flourish at the end.

Meredith F. Laws, Chief
Invertebrate & Vertebrate Branch 3
Registration Division (7505P)
Office of Pesticide Programs

RESTRICTED USE PESTICIDE
DUE TO ACUTE ORAL AND ACUTE INHALATION TOXICITY.
FOR SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

ABAMECTIN | GROUP 6 | INSECTICIDE

Avicta® 400 FS

Seed Treatment

For Early-season Protection against damage from Nematodes in Carrot and Legume Vegetables

For early season protection against nematodes in cucurbits and tomatoes grown in greenhouses and indoor nurseries. For indoor use only.

For use by Syngenta Crop Protection-certified professional vegetable seed treatment facilities only. Do not use in hopper box, planter box, slurry box, or other farmer-applied applications.

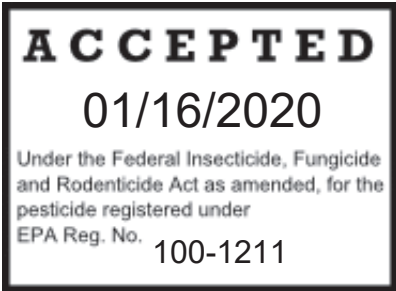
Active Ingredient:	
Abamectin (CAS No. 71751-41-2).....	37.0%*
Other Ingredients:	63.0%
Total:	100.0%

*Avicta 400 FS is a flowable concentrate for seed treatment containing 3.33 lb abamectin per gallon.

KEEP OUT OF REACH OF CHILDREN.



DANGER / POISON
PELIGRO / TOXICO



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 in booklet.

EPA Reg. No. 100-1211
EPA Est.

SCP

_____ gallons

Net Contents

Batch Code: _____

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • 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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • 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.
NOTE TO PHYSICIAN	
<p>Early signs of intoxication include dilation of pupils, muscular incoordination, and muscular tremors. Toxicity following accidental ingestion of this product can be minimized by early administration of chemical adsorbents (e.g., activated charcoal).</p> <p>If toxicity from exposure has progressed to cause severe vomiting, the extent of resultant fluid and electrolyte imbalance should be gauged. Appropriate supportive parenteral fluid replacement therapy should be given, along with other required supportive measures (such as maintenance of blood pressure levels and proper respiratory functionality) as indicated by clinical signs, symptoms, and measurements.</p> <p>In severe cases, observations should continue for at least several days until clinical condition is stable and normal. Since abamectin is believed to enhance GABA activity in animals, it is probably wise to avoid drugs that enhance GABA activity (barbiturates, benzodiazepines, valproic acid) in patients with potentially toxic abamectin exposure.</p> <p>Have the product container or label with you when calling a poison control center or doctor or going for treatment.</p>	
<p>HOT LINE NUMBER</p> <p>For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call 1-800-888-8372</p>	

[end of the 1st printed panel of final printed label]

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals



DANGER / POISON
PELIGRO / TOXICO

Fatal if swallowed. May be fatal if inhaled. Harmful if absorbed through skin. Causes moderate eye irritation. Do not breathe vapors. Avoid contact with skin, eyes, or clothing.

Personal Protective Equipment (PPE)

Workers involved with treating the seed (e.g. connecting and disconnecting hoses and transfer pumps, mixing, equipment calibration, etc.) must wear:

- Chemical-resistant gloves made of: barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, polyvinyl chloride (PVC) \geq 14 mils, or Viton® \geq 14 mils
- Protective eyewear
- Coveralls worn over long-sleeved shirt and long pants
- Chemical-resistant apron
- Shoes and socks
- A minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.

Workers involved with packaging the treated seed (e.g. bagging, bag sewing, filling seed containers) must wear:

- Chemical-resistant gloves made of: barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, polyvinyl chloride (PVC) \geq 14 mils, or Viton \geq 14 mils
- Protective eyewear
- Coveralls worn over long-sleeved shirt and long pants
- Shoes and socks
- A minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; OR a NIOSH-approved elastomeric particulate respirator with

any N, R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.

Workers involved with the clean-up and maintenance of the seed treatment equipment must wear:

- Chemical-resistant gloves (minimum length 12 inches) made of: barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, polyvinyl chloride (PVC) \geq 14 mils, or Viton \geq 14 mils Important: Tape down gloves to the sleeves of the coveralls.
- Protective eyewear
- Chemical-resistant, hooded coveralls worn over long-sleeved shirt and long pants
- Shoes and socks
- A minimum of a NIOSH-approved elastomeric half mask respirator with organic vapor (OV) cartridges and combination N, R or P filters; OR a NIOSH-approved gas mask with OV canisters; OR a NIOSH-approved powered air purifying respirator with OV cartridges and combination HE filters.

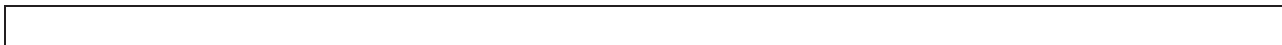
Multiple Task Workers must wear:

(Multiple task workers perform multiple tasks in one day such as mixing, product application, bagging/filling seed containers, bag sewing, and clean up.)

- Chemical resistant gloves made of: barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, polyvinyl chloride (PVC) \geq 14 mils, or Viton \geq 14 mils. [Important: when performing seed treatment equipment clean-up procedures, gloves must be at least 12 inches long and should be taped down to the sleeves of the coveralls.
- Protective eyewear
- Long-sleeved shirt and long pants
- When performing seed treatment equipment clean-up procedures, chemical-resistant, hooded coveralls over long-sleeved shirt and long pants are required.
- Shoes and socks
- A minimum of a NIOSH-approved elastomeric half mask respirator with organic vapor (OV) cartridges and combination N, R or P filters; OR a NIOSH-approved gas mask with OV canisters; OR a NIOSH-approved powered air purifying respirator with OV cartridges and combination HE filters.

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.



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 pesticide is toxic to fish and wildlife. Treated seeds exposed on the soil surface may be hazardous to wildlife. Cover or collect seeds spilled during loading. Do not contaminate water when disposing of equipment washwater or rinsate.

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.

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.

DIRECTIONS FOR USE RESTRICTED USE PESTICIDE

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

USE RESTRICTIONS:

- Only for use in Syngenta-certified professional seed treatment facilities. Do not use in hopper box, planter box, slurry box, or other farmer-applied applications.
- Avicta 400 FS must be used only in seed treatment equipment with closed transfer and application systems.
- 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 man 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 180.1001. Refer to the section on this label **SEED CONTAINER LABEL REQUIREMENTS** for language that must appear on the label that is attached to the container of treated seed.
- The maximum amount of Avicta 400 FS that can be used in a seed treatment facility in one day is limited to 50 gallons of product (166.5 lbs ai).
- Store treated seed away from food and feedstuffs.
- Do not allow children, pets, or livestock to have access to treated seeds.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or incorporate spilled treated seed. Excess or leftover seed may be double-sown around the headland or buried away from bodies of water in accordance with local requirements.

- Do not contaminate bodies of water when disposing of planting equipment wash water.
- Dispose of seed packaging or containers in accordance with local requirements.
- Do not re-use bags from treated seed to handle food or feed products.
- After the seeds have been planted, do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. **Exception:** Once the seeds are planted into soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with the soil/media substance.
- Treated seed of Carrots must be planted at a depth of at least 0.125 inches.
- Treated seed of Cucurbit Vegetables and Tomatoes must be planted at a depth of at least 0.5 inches.
- Treated seed of Legume Vegetables must be planted at a depth of at least 1 inch.
- Do not use foliage of legume vegetables grown from treated seed for animal feed.
- Do not exceed 0.17 lb of abamectin (77.1 g ai) per acre per year for cucurbit seed treatment.
- Do not exceed 0.17 lb of abamectin (77.1 g ai) per acre per year for tomato seed treatment.
- Do not exceed 0.31 lb of abamectin (141 g ai) per acre per year for legume vegetable seed treatment.
- Must only be mixed with other seed treatments that are approved by the EPA for use on these crops and are compatible with Avicta 400 FS.

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

RUNOFF PREVENTION

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

PRODUCT INFORMATION

Avicta 400 FS may be applied to the seed of Carrot, Cucurbit Vegetables, Legume Vegetables, and Tomato.

When Avicta 400 FS is applied as a seed treatment, it provides protection from various nematodes during the early stages of plant growth and development.

Avicta 400 FS:

- Apply to primed or unprimed seed using standard and commonly accepted vegetable seed treatment processes that have confirmed efficacy and seed safety (i.e. slurry application, film coating, encrusting, or pelleting). Uneven or incomplete seed coverage may not give the desired level of early season protection against nematode damage. Depending upon the seed size and shape, highly specialized batch seed treatment application equipment may be required to ensure uniform treatment of the seed, to ensure safety to the seed, and to meet quality standards.
- 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. Conduct germination tests on a representative sample of the seed lot before committing the total seed lot to a selected seed treatment. Because seed quality and seed storage conditions are beyond the control of Syngenta, no claims are made to guarantee the germination of carry-over seed or propagating material for all crops.
- 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 carry-over seed or propagating material for all crop seed when treated with Avicta 400 FS.

RESISTANCE MANAGEMENT

ABAMECTIN	GROUP	6	INSECTICIDE
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For resistance management, Avicta 400 FS contains a Group 6/abamectin insecticide. Any insect population may contain individuals naturally resistant to Avicta 400 FS and other Group 6 insecticides. The resistant individuals may dominate the insect population if this group of insecticides is used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

Abamectin belongs to the avermectin class of chemistry which affects nerves and muscles.

To delay insecticide resistance, take the following steps:

- Rotate the use of Avicta 400 FS or other Group 6 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):

- 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.
- Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
- When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
- Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
- 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 advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.

Syngenta encourages responsible product stewardship to ensure effective long term control of the insect pests on this label.

For additional information on Insect Resistance Management:


- Contact Syngenta representatives at 1-800-334-9481
- Contact your local Cooperative Extension Service specialist, pest control advisor, or certified crop advisor

Visit the Insecticide Resistance Action Committee (IRAC) on the web at:

<http://www.irac-online.org>

SEED CONTAINER LABEL REQUIREMENTS

The Federal Seed Act requires that containers containing treated seeds must be labeled with the following statements:

- “**Danger -- Poison** 

The U.S. Environmental Protection Agency requires the following statements on containers containing vegetable seed treated with Avicta (abamectin) 400 FS:

- Store treated seed away from food and feedstuffs.
- Do not allow children, pets, or livestock to have access to treated seeds.
- Wear long pants, long-sleeved shirt, shoes, socks, and chemical-resistant gloves made of: barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, polyvinyl chloride (PVC) \geq 14 mils, or Viton \geq 14 mils when handling treated seed.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or incorporate spilled treated seed. Excess or leftover seed may be double-sown around the headland or buried away from bodies of water in accordance with local requirements.
- 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.
- Do not contaminate bodies of water when disposing of planting equipment wash water.
- Dispose of seed packaging or containers in accordance with local requirements.
- Do not re-use bags from treated seed to handle food or feed products.
- This seed has been treated with x mg abamectin/seed.
- After the seeds have been planted, do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. **Exception:** Once the seeds are planted into soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no worker contact with the soil/media substance.
- Treated seed of Carrots must be planted at a depth of at least 0.125 inches.
- Treated seed of Cucurbit Vegetables and Tomatoes must be planted at a depth of at least 0.5 inches.
- Treated seed of Legume Vegetables must be planted at a depth of at least 1 inch.
- Do not use foliage of legume vegetables grown from treated seed for animal feed.
- Do not exceed 0.17 lb of abamectin (77.1 g ai) per acre per year for cucurbit seed treatment.
- Do not exceed 0.17 lb of abamectin (77.1 g ai) per acre per year for tomato seed treatment.
- Do not exceed 0.31 lb of abamectin (141 g ai) per acre per year for legume vegetable seed treatment.

MIXING AND APPLICATION INSTRUCTIONS

IMPORTANT: Always treat seed in a well-ventilated area. Refer to the **Precautionary Statements** section of this label for personal protective equipment requirements and other safety precautions.

Maximum Amount Allowed Per Day

The maximum amount of Avicta 400 FS that can be used in a seed treatment facility in one day is limited to 50 gallons of product (166.5 lbs ai).

Important:

1. Consult the Syngenta Seed Treatment Representative or the manufacturer of the application equipment you plan to use regarding application, equipment calibration, and operating instructions.
2. Avicta 400 FS is to be thoroughly recirculated/mixed in its original container before using.
3. Avicta 400 FS already contains an EPA-approved dye that will impart an unnatural color to the seed; adding additional dye or colorant to the seed treatment mixture is not required.
4. If carriers, colorants, or other materials are used when treating the seed, they must be EPA approved and known to be safe to the seed and compatible with Avicta 400 FS.
5. Thoroughly mix the recommended amount of Avicta 400 FS and other seed treatment products (i.e. fungicides, insecticides) with the amount of water required for the dilution rate and the slurry treater.
6. Prepare no more mixture than is needed for the immediate operation.
7. Store treated seed away from feed and foodstuffs.

Applying Avicta 400 FS with compatible fungicides and insecticides

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Mixing Avicta 400 FS with fungicides and insecticides in the seed treating system is permissible. These fungicides and insecticides must be approved by the EPA for application to the vegetable seed specified in this label and recommended by Syngenta for use with Avicta 400 FS. These products can either be applied to the seed in slurry mixtures or applied in sequence, and applied continuously or in batches.

A. Compatibility

Before mixing Avicta 400 FS with other seed treatment products conduct a compatibility test before use.

1. Using a clear glass container, thoroughly mix all intended seed treatments with the appropriate amount of water.
2. Allow the mixture to sit for one hour.
3. Remix and observe for incompatibility.

B. Tank Mixing Instructions

1. To dispense Avicta 400 FS into a mix tank, first attach a pump with fittings that match the fittings on the closed system container for Avicta 400 FS.
2. Recirculate the product. Recirculation time should be calculated based upon the ability of the pump to completely recirculate the volume of the tank 5-10 times within a 30-minute time period.
3. After the initial recirculation, a short recirculation period of 5 minutes per day is recommended.
4. Attach the dispensing hose to a dry-lock type of fitting that is permanently attached to the mix tank lid.
5. Add ½ of the required water to the mix tank and turn on the agitation. Mechanical agitation is preferred.
6. If using wettable powders and/or products in water-soluble packaging, add water-soluble packages first to clean water and allow them to completely disperse before adding Avicta 400 FS or other products.
7. Allow each tank mix partner to completely disperse before adding the next product.
8. Add the remaining amount of water and agitate.
9. Maintain agitation until the entire slurry mixture has been used.

Applying Avicta 400 FS Alone:

Although mixing Avicta 400 FS with fungicides and insecticides in the seed treating system is permissible, Avicta 400 FS may be applied alone as a slurry treatment to the seed specified in this label.

Mixing Instructions

1. First attach a pump with fittings that match the fittings on the closed system container for Avicta 400 FS.
2. Recirculate the product. Recirculation time should be calculated based upon the ability of the pump to completely recirculate the volume of the tank 5-10 times within a 30-minute time period.
3. After the initial recirculation, a short recirculation period of 5 minutes per day is recommended.
4. Attach the dispensing hose to a dry-lock type of fitting that is permanently attached to the mix tank lid.

5. Add $\frac{1}{2}$ of the required water to the mix tank and turn on the agitation. Mechanical agitation is preferred.
6. Add Avicta 400 FS.
7. Add the remaining amount of water and agitate.
8. Maintain agitation until the entire slurry mixture has been used.

Application Rate – Avicta 400 FS

Vegetable Seed	Use Rate (mg ai/Seed)
Carrot	0.016
<p>Cucurbit Vegetables Crop Group 9 grown in greenhouses and indoor nurseries</p> <p>Chayote Chinese Waxgourd Citron Melon Cucumber Gherkin Edible Gourd (includes Chinese okra, cucuzza, hechima, and hyotan) Momordica spp. (includes balsam apple, balsam pear, bitter melon, and Chinese cucumber) Muskmelon (includes cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, snake melon, and true cantaloupe) Pumpkin Summer Squash (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, and zucchini) Winter Squash (includes acorn squash, butternut squash, calabaza, hubbard squash, and spaghetti squash) Watermelon</p>	0.300 - 0.600
<p>Legume Vegetables</p> <p>Edible-Podded Legume Vegetables Crop Subgroup 6A Bean (Phaseolus spp.) (includes runner bean, snap bean, and wax bean) Bean (Vigna spp.) (includes asparagus bean, Chinese longbean, moth bean, yardlong bean) Jackbean (Canavalia ensiformis) Pea (Pisum spp.) (includes dwarf pea, edible-pod pea, snow pea, sugar snap pea) Pigeon pea (Cajanus cajan) Soybean (immature seed) (Glycine max) Sword bean (Canavalia gladiata)</p> <p>Succulent Shelled Pea and Bean Crop Subgroup 6B¹ Bean (Phaseolus spp.) (includes lima bean (green)) Bean (Vigna spp.) (includes blackeyed pea, cowpea, southern pea) Broad bean (fava bean) (Vicia faba) Pea (Pisum spp.) (includes English pea, garden pea, green pea) Pigeon pea (Cajanus cajan)</p> <p>Dried Shelled Pea and Bean (Except Soybean) Crop Subgroup 6C¹ Bean (Lupinus spp.) (includes grain lupin, sweet lupin, white lupin and white sweet lupin) Bean (Phaseolus spp.) (includes field bean, kidney bean, lima bean (dry), navy</p>	0.250

<p>bean, pinto bean, tepary bean) Bean (Vigna spp.) (includes adzuki bean, blackeyed pea, catjang, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean) Broad bean (dry) (fava bean) (Vicia faba) Chickpea (garbanzo bean) (Cicer arietinum) Guar (Cyamopsis tetragonoloba) Lablab bean (hyacinth bean) (Lablab purpureus) Lentil (Lens esculenta) Pea (Pisum spp.) (includes field pea) Pigeon pea (Cajanus cajan)</p>	
<p>Tomatoes grown in greenhouses and indoor nurseries</p>	<p>0.300 – 0.600</p>

CLEANING SEED TREATMENT EQUIPMENT

Do not use compressed air hoses to remove the dust from the seed treating equipment or the area around the equipment; use a central vacuum system or a HEPA filter portable vacuum cleaner.

STORAGE AND DISPOSAL

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

Pesticide Storage

Store in a cool, dry place.

Pesticide Disposal

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinse water 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.

Syngenta's authorized agent will pick up the empty container and handle its disposal. Contact Syngenta or its authorized agent to make arrangements for this service and store empty container in a secure area until pick up.

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 $\frac{1}{4}$ 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 contact Syngenta or its authorized agent for disposal.

Container Handling [greater than 5 gallons]

Non-refillable Container. Do not reuse or refill this container.

Syngenta's authorized agent will pick up the empty container and handle its disposal. Contact Syngenta or its authorized agent to make arrangements for this service and store empty container in a secure area until pick up.

Triple rinse the container as follows: Empty the remaining contents into application equipment or mix tank. Fill the container $\frac{1}{4}$ 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 side and tip it back and forth several times. Empty the rinsate into application equipment or mix tank or store rinsate for later disposal. Repeat this procedure two more times. Then contact Syngenta or its authorized agent for disposal.

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.

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

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For non-emergency (e.g. current product information) call
Syngenta Crop Protection at 1-800-334-9481.

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