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	Ар	plication	for Pesticide - Se	ction I			
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Name and Address of Appli	cant (Include ZIP Code)					RA Section 3(c)(3)	(b)(i), my
Syngenta Crop Protection, 1			product is similar o	or identical in comp	osition and lat	beiing to:	
Registrations & Regulatory . 410 Swing Road	Affairs						
PO Box 18300							
Greensboro NC 27409-830	x		EPA Reg. No.			<u> </u>	
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Amendment - Explain b	elow		· · · · · · · · · · · · · · · · · · ·	Final printed labels		NOTIFIC	TION
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PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

PAPERWORK REDUCTION ACT NOTICE: Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460.

INSTRUCTIONS: This form is to be used for all applications for new registration, end use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

- 1 Certification with Respect to Citation of Data (EPA Form 8570-29). [If not exempted by 40 CFR 152.81 (b) (4)];
- 2. Confidential Statement of Formula (EPA Form 8570-4);
- 3. Formulator's Exemption Statement (EPA Form 8570-27);
- 4. Five copies of draft labeling;
- 5 Three copies of any data submitted;
- 6. Authorization letter where applicable;
- 7. Matrices where applicable.

Submission of Labeling - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission. Submission of Data - Data submitted in support of this application must be submitted in accordance with PR Notice 86%.

<u>SPECIFIC INSTRUCTIONS</u>: Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A. for which you are submitting this application. For applications submitted in connection with Now Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

Block A - Check the appropriate action for which you are submitting this form.

SECTION I - This section must be completed, as applicable, for all registration actions.

- 1. Company/Product Number Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
- 2. EPA Product Manager If known, fill in the name and PM number of the EPA Product Manager.
- 3. Proposed Classification Specify the proposed classification of this product.
- 4. Product Name Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
- 5. Name and Address of Applicant The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
- 6. Expedited Review FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registrations, that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

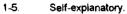
SECTION II - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

 Subject of submission - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

SECTION III - (Packaging and Container Information) - This Section must be completed for all applications submitted in connection with now registration or applicable amendments.

- 1. Type of Packaging Check the appropriate block if your product will be packaged in the indicated packaging types. Indicate the size of the individual packets and number per retail container.
- 2. Type of Retail Container Indicate type of container in which product will be marketed.
- 3. Location of Net Contents Indicate the location of the net contents information for your product.
- 4. Size(s) of Retail Container Specify the net contents of all retail containers for your product.
- 5. Location of Use Directions Indicate the location of the use directions for your product.
- 6. Manner in which label is affixed to product Indicated the method product label is attached to retail container.

SECTION IV (Contact Point) - This Section must be completed for all applications for Registration actions, i.e., now products registration, resubmission, "metoo," reregistration, etc.



6. EPA Use Only

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ABOUND[®] Flowable Fungicide

Broad spectrum fungicide for control of plant diseases

ACTIVE INGREDIENT:	
Azoxystrobin: methyl (E)-2-{2-[6-(2-cyanophenoxy)	
pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate*	22.9%
INERT INGREDIENTS:	<u>77.1%</u>
TOTAL	100.0%

Contains 2.08 lbs of active ingredient per gallon

*IUPAC

KEEP OUT OF REACH OF CHILDREN

CAUTION

See additional precautionary statements and directions for use inside booklet.

Reformulation is prohibited. See individual container labels for repackaging limitations.

EPA REG NO. 100-1098 EPA EST. NO.

Product of the UK for distribution by:

Syngenta

Syngenta Crop Protection, Inc. Greensboro, NC 27409 www.syngenta-us.com

SCP 100-XXXX

Net Weight / U.S. Standard Measure



NOTIFICATION APR 27 2001

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STATEMENT OF PRACTICAL TREATMENT

IF ON SKIN: Wash with plenty of soap and water. If symptoms persist, get medical attention.

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.

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

HARMFUL IF ABSORBED THROUGH SKIN. Avoid contact with eyes, skin, or clothing. Wear long-sleeved shirt and long pants, socks and shoes and chemical resistant gloves made of any waterproof material. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemically resistant to this product are listed below. If you want more options follow the instructions for Category A on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material
- Shoes plus socks

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the tollet.
- Remove clothing 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 dething.

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ENVIRONMENTAL HAZARDS

The active ingredient, Azoxystrobin, in this product can be persistent for several months or longer. Azoxystrobin has degradation products which have properties similar to chemicals which are known to leach through soil to ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow may result in ground water contamination.

This pesticide is toxic to freshwater and estuarine/marine fish and aquatic invertebrates. Do not apply directly to water except as specified on this label. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Notify state and/or Federal authorities and Syngenta immediately if you observe any adverse environmental effects due to use of this product.

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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 should 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, Inc. or Seller. All such risks shall be assumed by Buyer and User, and 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. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Syngenta, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall Syngenta or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. 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 limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Syngenta.

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DIRECTIONS FOR USE

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

Use of ABOUND Flowable Fungicide through airblast application equipment on grapes is prohibited in the following townships and boroughs of Erie Country, Pennsylvania: North East, Harborcreek, Lawrence Park, Erie, Presque Isle, Mill Creek, Fairview, Girard and Springfield.

This prohibition is intended to help eliminate phytotoxicity problems with apples observed in this geographic location.

FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR DISEASE CONTROL.

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.

AGRICULTURAL USES:

Commercial turf farm use (Not for use in California)

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 4 hours.

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 made of any waterproof material
- Shoes plus socks

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NON-AGRICULTURAL USES: Golf Courses (Not for use in California)

For use to control diseases on turf on golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. The area being treated must be vacated by unprotected persons.

Do not treat areas while unprotected humans or domestic animals are present in the treatment areas. Because certain states may require more restrictive reentry intervals, consult your State Department of Agriculture for further information.

Do not allow entry into treatment area until area that was treated with ABOUND[®] Flowable is dry.

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STORAGE AND DISPOSAL

PROHIBITIONS: Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

STORAGE: Store in original containers 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 acutely hazardous. 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 of the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL:

Plastic Containers: Triple rinse (or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or alternatives allowed by State and local authorities.

FOR BULK AND MINIBULK CONTAINERS:

CONTAINER DISPOSAL: Reseal container and offer for reconditioning, or triple rinse (or equivalent) and offer for recycling or reconditioning, or clean in accordance with manufacturer's instructions.

CONTAINER PRECAUTIONS: Before refilling, inspect thoroughly for damage, such as cracks, punctures, bulges, dents, abrasions and damaged or worn threads on closure devices.

REFILL ONLY WITH ABOUND® FLOWABLE. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than ABOUND Flowable will result in contamination and may weaken container.

After filling and before transporting, check for leaks.

Do not refill or transport damaged or leaking container.

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

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GENERAL INFORMATION

ABOUND Flowable Fungicide is a broad spectrum, preventative fungicide with systemic and curative properties recommended for the control of many important plant diseases. ABOUND Flowable may be applied as a foliar spray in alternating spray programs or in tank mixes with other registered, crop protection products. All applications should be made according to the use directions that follow.

GENERAL USE PRECAUTIONS

Do not graze or feed clippings from treated turf areas to animals. Crops in this label may be planted immediately after last treatment. Do not plant other crops within 45 days after last application.

ATTENTION

ABOUND Flowable is extremely phytotoxic to certain apple varieties.

AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees (and apple fruit).

DO NOT spray ABOUND Flowable where spray drift may reach apple trees.

DO NOT spray when conditions favor drift beyond area intended for application. Conditions which may contribute to drift include thermal inversion, wind speed and direction, sprayer nozzle/pressure combinations, spray droplet size, etc. Contact your State extension agent for spray drift prevention guidelines in your area.

DO NOT use spray equipment which has been previously used to apply ABOUND Flowable to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity to certain apple and crabapple varieties.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

INTEGRATED PEST (DISEASE) MANAGEMENT

ABOUND Flowable should be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required. Cultural practices known to reduce disease development should be followed. The SPECIFIC USE DIRECTIONS section in this label identifies specific IPM recommendations for each crop. Consult your local agricultural and turf authorities for additional IPM strategies established for your area. ABOUND Flowable may be used in State Agricultural Extension advisory (disease forecasting) programs which recommend application timing based on environmental factors favorable for disease development.

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RESISTANCE MANAGEMENT

A disease management program that includes alternation or tankmixes between ABOUND Flowable and other labeled fungicides that have a different mode of action is essential to prevent pathogen populations from developing resistance to ABOUND Flowable. ABOUND Flowable should not be alternated or tankmixed with fungicides to which resistance has already developed.

Continual use of ABOUND may allow less sensitive strains of pathogens to increase in the population and reduce the efficacy of ABOUND. Since ABOUND is a strobilurin fungicide, avoid alternation with other strobilurins, such as kresoxim-methyl and trifloxystrobin. Use of ABOUND in greenhouses will enhance the potential for fungicide resistance development.

Since pathogens differ in their potential to develop resistance to fungicides, the SPECIFIC USE DIRECTIONS section in this label provides resistance management strategies specific for each crop and disease. Consult your local or state agricultural authorities for resistance management strategies that are complementary to those in this label. ABOUND Flowable is not cross resistant with other classes of fungicides which have different modes of action.

SPRAYING/MIXING

ABOUND Flowable may be applied with all types of spray equipment commonly used for making ground and aerial applications. Do not apply ABOUND Flowable through any type of ultra low volume (ULV) spray system. Proper adjustments and calibration of spraying equipment to give good canopy penetration and coverage is essential for good disease control. The higher rates in the rate range and/or shorter spray intervals may be required under conditions of heavy infection pressure, highly susceptible varieties, or when disease conducive environmental conditions exist.

For ground applications, apply ABOUND Flowable in sufficient water volume for adequate coverage and canopy penetration. For aerial applications to non-orchard crops, apply ABOUND Flowable in a minimum of five gallons of water per acre. For aerial applications in orchard crops, apply ABOUND Flowable in a minimum of ten gallons of water per acre. Where feasible ground application should be used because it provides better canopy penetration and coverage.

To prepare spray solution, partially fill the spray tank with clean water and begin agitation. Add the specified amount of ABOUND Flowable to the tank, allowing time for good dispersion, then add an adjuvant, if recommended. If tankmixes are required, product should be added to the spray tank in the following order: ABOUND Flowable, other WG or dry flowable formulations, wettable powders and flowable (aqueous suspensions) products. Finish filling the tank to the desired volume to obtain the proper spray concentration. Maintain agitation throughout the spraying operation. Do not allow spray mixture to stand overnight or for prolonged periods. Make up only the amount of spray required for immediate use. Sprayers should be thoroughly cleaned immediately after application.

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SPRAY DRIFT MANAGEMENT

ATTENTION

ABOUND Flowable is extremely phytotoxic to certain apple varieties.

AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees (and apple fruit).

DO NOT spray ABOUND Flowable where spray drift may reach apple trees.

DO NOT spray when conditions favor drift beyond area intended for application. Conditions which may contribute to drift include thermal inversion, wind speed and direction, sprayer nozzle/pressure combinations, spray droplet size, etc. Contact your State extension agent for spray drift prevention guidelines in your area.

DO NOT use spray equipment which has been previously used to apply ABOUND Flowable to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity to certain apple and crabapple varieties.

AVOIDING SPRAY DRIFT IS THE RESPONSIBILITY OF THE APPLICATOR.

Do not apply when weather conditions favor drift from treated areas to non-target aquatic habitat.

DIRECTIONS FOR USE THROUGH SPRINKLER IRRIGATION SYSTEMS

Spray Preparation: Chemical tank and injector system should be thoroughly cleaned. Flush system with clean water.

Application Instructions: Apply ABOUND Flowable at rates and timings as described in this label.

Use Precautions for Sprinkler Irrigation Applications: Apply this product only through sprinkler irrigation systems including center pivot, lateral move, end tow, side [wheel] roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply this product through any other type of irrigation system.

Apply with center pivot or continuous-move equipment distributing ½ acre-inch or less during treatment. In general, use the least amount of water required for proper distribution and coverage. If stationary systems (solid set, handlines or wheel lines other than continuous-move) are used, this product should be injected into no more than the last 20-30 minutes of the set. Do not apply when winds are greater than 10-15 mph to avoid drift or wind skips. Do not apply when wind speed favors drift beyond the area intended for treatment. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform treated water. Thorough coverage of foliage is required for good control. Good agitation should be maintained during the entire application period.

If you have questions about calibration you should contact State Extension Service specialist, equipment manufacturers or other experts.

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The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoidoperated valve located on the intake side of the injection pump and connected to the system interlock to provent fluid from being withdrawn from the supply tank when the inigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

Specific Instructions for Public Water Systems:

1. "Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year."

2. "Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe."

3. "The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump."

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4. "The pesticide injection pipeline must contain a functional, normally closed, solenoidoperated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down."

5. "The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected."

6. "Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump)effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock."

7. "Do not apply when wind speed favors drift beyond the area intended for treatment."

TANK MIXES/COMPATIBILITY

ABOUND Flowable is compatible with many commonly used fungicides, liquid fertilizers, herbicides, insecticides and biological control products. If tank mixes are desired, observe all directions, precautions, and limitations on labeling of all products used. Consult compatibility charts or your local or state agricultural or turf authorities for compatibility information. Do not combine ABOUND Flowable in the spray tank with pesticides, surfactants or fertilizers, unless compatibility charts or your own prior use has shown that the combination is physically compatible, effective and non-injurious under your conditions of use. If physical compatibility is unknown, the following procedure should be followed: Pour the recommended proportions of the products into a suitable container of water, mix thoroughly and allow to stand at least twenty (20) minutes. If the combination remains mixed or can be re-mixed readily, the mixture is considered physically compatible.

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SOILBORNE/SEEDLING DISEASE CONTROL

ABOUND can provide control of many soilborne diseases if applied early in the growing season. Specific applications for soilborne diseases include in-furrow applications and banded applications applied over the row, either shortly after plant emergence or during herbicide applications or cultivation. These applications will provide control of pre- or post-emergence damping off and diseases that infect plants at the soil-plant interface.

For banded applications, apply ABOUND prior to infection as a directed spray to the soil, using single or multiple nozzles, adjusted to provide thorough coverage of the lower stems and the soil surface surrounding the plants. Band width should be limited to 7 inches or less. Apply ABOUND at a rate of 0.4-0.8 fl oz product (0.1-0.2 oz ai)/1000 foot of row.

For in-furrow applications, apply ABOUND as an in-furrow spray in 5-15 gallons of water at planting. Mount the spray nozzle so the spray is directed into the furrow just before the seed are covered. Use the higher rate when the weather conditions are expected to be conducive for disease development, if the field has a history of Pythium problems, or if minimum/low till programs are in place.

RATE PER 10	00 ROW FEET			PRODUC	PRODUCT PER ACRE (fl oz)			
fl oz product	oz ai	22" rows	30" rows	32" rows	34" rows	36" rows	38" rows	40" rows
0.4	0.1	9.5	7.0	6.5	6.1	5.8	5.5	5.2
0.6	0.15	14.3	10.5	9.8	9.2	8.7	8.3	7.8

IN-FURROW APPLICATION RATES

40" = 13,068 row ft, 38" = 13,754 row ft, 36" = 14,520 row ft, 34" = 15,374 row ft, 32" = 16,315 row ft, and 30" = 17,424 row ft, and 22" = 23,760 row ft/Acre

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DIRECTIONS FOR APPLICATION

Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
Almonds	Alternaria leaf and fruit spot (Alternaria alternata) Anthracnose (Colletotrichum acutatum) Brown Rot Blossom Blight (Monilinia laxa, M. fructicola) Leaf Blight (Seimatosporium lichenicola) Leaf rust (Tranzschelia discolor) Scab (Cladosporium carpophilum) Shothole (Wilsonomyces carpophilus)	6.2-15.4 (0.10-0.25)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, removal of plant debris in which inoculum overwinters and proper timing and placement of irrigation. Resistance Management: For blossom blight do not apply more than two sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. For all other almond diseases do not apply more than four sequential applications of ABOUND before alternation with a fungicide that has a different mode of action. Do not make more than six applications of ABOUND or other strobilurin fungicides per acre per year. Application Directions: ABOUND applications should begin prior to disease development and continue throughout the season following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage. For blossom blight begin applications at early bloom and continue through petal fall. For anthracnose, scab and shothole begin applications phor to disease development and continue at 10-14 day intervals throughout the season. Do not apply more than 2.88 quarts product/acre/season (1.5 lb, ai/A). Do not apply within 28 days of harvest.
Apricots	See Stone Fruit	·····	

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
Bananas Plantains	Black Sigatoka (<i>Mycosphaerella fijiensis</i>) Yellow Sigatoka (<i>Mycosphaerella musicola</i>)	5.5-8.3 (0.09-0.135)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes canopy management through removal of suckers, proper plant spacing, selection of varieties with disease tolerance, removal of plant debris in which inoculum overwinters, and good surface water drainage. Resistance Management: Do not apply more than two sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. Do not make more than eight applications of ABOUND or other strobilurin fungicides per acre per year. Application Directions: ABOUND applications should begin prior to disease development and continue throughout the season every 12-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage. Do not apply more than 2.08 quarts product/acre/season (1.08 lb ai/A). May be applied the day of harvest.
Post Harvest Applications	Crown Rot/Crown Mold (Colletotrichum musae, Fusarium pallidoroseum, Acremonium spp., Ceratocystis paradoxa, Glomerella cingulata), Penicillium spp.	300-400 ppm solution	Apply ABOUND as a single application spray of a 300-400 ppm solution to achieve good coverage, spray should be directed at the cut ends of the bananas. Alum (1% w/v) should be added to the spray solution. Application of the 300 ppm rate is appropriate for short distance transportation(e.g. within the USA), when a longer time in transport is expected (export) use the 400 ppm rate.

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remark
Barley	Kernel Blight (<i>Alternaria</i> spp.) Leaf Rust (<i>Puccinia hordei</i>)	6.2-12.3 (0.10-0.20)	Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes proper selection of varieties with disease tolerance, proper timing and placement of irrigation, removal of plant debris in which inoculum overwinters, plant residue management, and crop rotation. Resistance Management: Do not make more than two applications of ABOUND or other
	Net blotch (<i>Pyrenophora teres</i>) Barley Stripe (<i>Pyrenophora graminea</i>)	9.2-12.3 (0.15-0.20)	strobilurin fungicides per acre per year. Application Directions: ABOUND should be applied prior to disease development from jointing (Feekes 6 or Zadok's 31) up to late head emergence (Feekes 10.5 or Zadok's 59). Applications may be made by ground, air or chemigation. A crop bil concentrate adjuvant may be added at 1.0% V/V to optimize efficacy.
	Powdery Mildew (Erysiphe graminis f. sp. hordei)	12.3 (0.20)	Do not apply until after forage stage (Feekes 6 or Zadok's 31). Do not apply later than Feekes growth stage 10.5 (Zadok's growth stage 59). Do not harvest treated barley for forage, Do not apply within 14 days of harvest for hay. Do not apply within 45 days of harvest for grain and straw.
,	Stagonospora blotch (Stagonospora nodorum)		Do not apply more than 0.77 quarts product/acre/season (0.4 lb ai/A).
Beet, Sugar	See Root and Tuber Vegetable	5	

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
Bulb Vegetables Garlic Leek Onion, bulb	Foliar Diseases Cladosporium leaf blotch <i>(Cladosporium allii)</i>	6.2-12.3 (0.10-0.20)	Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of variaties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation.
Onion, green Welch onion Shallot Rust (Puccinia allii)		Resistance Management : Do not apply more than three sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. Do not make more than six applications of ABOUND or other strobilurin fungicides per crop per acre per year.	
	Downy mildew (Peronospora destructor)	9.2-15.4 (0.15-0.25)	Application Directions: For downy mildew control do not make more than one application of ABOUND before alternating with fungicides that have a different mode of action. Make preventative applications on a 5-7 day schedule. For all other diseases, ABOUND applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. If applications are made by air, the higher rates should be used for adequate control. An adjuvant may be added at recommended rates to improve coverage.
	Soilborne Diseases Rhizoctonia damping-off (Rhizoctonia solani)		For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section. Do not apply more than 2.88 quarts of product/crop/acre/season (1.5 lbs ai/A). May be applied the day of harvest.
Canola	Blackleg (<i>Leptosphaeria maculans</i>) Alternaria Blackspot	6.2-15.4 (0.10-0.25)	Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, certified seed, seed treatment and crop rotation.
	(<i>Alternaria</i> spp.) Sclerotinia stem rot		Resistance Management: Do not make more than three applications of ABOUND or other strobilurin fungicides per acre per year.
	(Sclerotinia sclerotiorum)		Application Directions: For blackleg, ABOUND applications of 6.2 fl oz of product/A should be made at the 2-4 leaf stage. For Alternaria or Sclerotinia, 9.2-15.4 fl oz product/A should be applied at 10-25% flowering (3-7 days following first flower). Use the higher rate under heavy disease pressure or when conditions are favorable for disease. For control of Alternaria alone, 8 0 fl oz product/A may be applied at pod stage (approximately 95% petal fall). Applications may be made by ground, air or chemigation.
			Do not make applications later than 95% petal fall (pod stage). Do not make more than two applications. Do not apply more than 27 fl oz product/acre/season (0.45 lb ai/A).
Cantaloupe	See Cucurbits		

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
Carrot	Early blight (Cercospora carotae) Late blight (Alternaria dauci) For additional diseases, see Root and Tuber Vegetables	9.2-20 3 (0.15-0.33)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation. Resistance Management: Do not apply more than three sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. Do not make more than six applications of ABOUND or other strobilurin fungicides per crop per acre per year. Application Directions: ABOUND applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage. For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION
	Rhizoctonia root rot (<i>Rhizoctonia solani</i>)		section. Do not apply more than 3.75 quarts of product/crop/acre/season (2.0 lbs ai/A). May be applied the day of harvest.
Celery	Early blight (Cercospora apii) Late blight (Septoria apicola) For additional diseases, see Leafy Vegetables	9.2-15.4 (0.15-0.25)	Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varie as with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation. Resistance Management: Do not apply more than three sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. Do not make more than six applications of ABOUND or other strobilurin fungicides per crop per acre per year. Application Directions: ABOUND applications should begin prior to disease development and
	Soilborne Diseases		continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigetion. An adjuvant may be added at recommended rates to improve coverage. For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION
	Rhizoctonia root rot (<i>Rhizoctonia solani</i>)		section. Do not apply more than 2.88 quarts of product/crop/aere/season (1.5 lbs ai/A). May be applied the day of harvest.
Cherry	See Stone Fruit		

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	- Remarks
Christmas Trees	Diplodia tip blight (Diplodia pinea) Lophodermium needlecast (Lophodermium pinastri) Swiss needlecast (Phaeocrytopus gaumannii)	6.2-15.4 (0.10-0.25)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance and removal of plant debris in which inoculum may overwinter. Resistance Management: Do not apply more than four sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. Do not make more than eight applications of ABOUND or other strobilurin fungicides per acre per year. Application Directions: ABOUND applications should begin prior to disease development and continue throughout the season at 7-21 day intervals following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage. Do not apply more than 3.75 quarts product/acre/season (2.0 lb. ai/A).
Cilantro	See Leafy Vegetables - coriande	r leaves	
Citrus Fruit Calamondin Citron Citrus hybrids Grapefruit Kumquat Lemon Lime Mandarin Orange (sour and sweet) Pummelo Satsuma mandarin Tangerine	Greasy spot (Mycosphaerella citri) Melanose (Diaporthe citri) Scab (Elsinoe fawcettii) Albinism (Alternaria alternata pv citri) Post bloom fruit drop (PFD) (Colletotrichum acutatum) Alternaria leaf and fruit spot (Alternaria citri)	12.4-15.4 (0.20-0.25)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, removal of plant debris in which inoculum overwinters, and proper timing of irrigation. Resistance Management: Do not apply more than three sequential applications of ABOUND before alternation with a fungicide that has a different mode of action. Do not make more than six applications of ABOUND or other strobilurin fungicides per acre per year. Application Directions: ABOUND applications should begin prior to disease development and continue throughout the season on 7-21 day intervals following the resistance management guidelines. Under conditions that favor severe disease epidemics, the higher application rates should be used. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage. Do not apply more than 2.88 quarts product/acre/season (1.5 lb ai/A). May be applied the day of harvest.

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
Corn Field Pop Sweet (Includes Seed	Rust (<i>Puccinia sorghi</i>)	6.2-9.2 (0.10-0.15)	Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation, and water management practices.
Production)	Anthracnose leaf blight (<i>Colletotrichum graminicola</i>) Gray leaf spot (<i>Cercospora zeae-maydis</i>) Northern corn leaf blight (<i>Setosphaeria turcica</i>) Northern corn leaf spot (<i>Cochiliobolus carbonum</i>)	9.2-15.4 (0.15-0.25)	Resistance Management: Do not apply more than two sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. Do not make more than eight applications of ABOUND or other strobilurin fungicides per crop per acre per year. Application Directions: For gray leaf spot, apply ABOUND at the onset of disease. A second application may be required 14 days later if disease pressure persists. For all other diseases, ABOUND applications should begin prior to disease development and may continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.
	Soilborne Diseases Rhizoctonia root and stalk rot (<i>Rhizoctonia solani</i>)		For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section. Do not apply more than 3.75 quarts of product/crop/acre/season (2.0 lbs ai/A). Do not apply within 7 days of harvest.

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
Cotton	Southern blight (Sclerotium rolfsii) Rhizoctonia seedling blight (Rhizoctonia solani) Pythium seedling blight (Pythium aphanadermatum)	Banded 0.4-0.8 fl oz product per 1000 row feet (0.1-0.2 oz ai per 1000 row feet) In-Furrow 0.4-0.8 fl oz product per 1000 row feet (0.1-0.2 oz ai per 1000 row feet)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper water management. Application Directions: For banded applications, apply ABOUND prior to infection as a directed spray to the soil, using single or multiple nozzles, adjusted to provide thorough coverage of the lower stems and the soil surface surrounding the plants. Band width should be limited to 7 inches or less. Apply ABOUND at a rate of 0.4-0.8 fl.oz product (0.1-0.2 oz ai)/1000 foot of row. For in-furrow applications, apply ABOUND as an in-furrow spray in 5-15 gallons of water at planting. Mount the spray nozzle so the spray is directed into the furrow just before the seed are covered. Use the higher rate when the weather conditions are expected to be conducive for disease development, if the field has a history of Pythium problems, or if minimum/low till programs are in place. See GENERAL INFORMATION section for table illustrating total fluid ounces per acre with various row spacings. Make only one application per use season.
Cucumbers	See Cucurbits		

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
Cucurbits Cantaloupe Chayote Chinese- waxgourd Cucumber Gourds Honeydew Melons Momordica spp. (bitter melon, balsam apple) Muskmelon Watermelon Pumpkin Squash Zucchini	Anthracnose (Colletotrichum lagenarium) Belly Rot (Rhizoctonia solani) Downy Mildew (Psuedoperonospora cubensis) Gummy Stem Blight (Didymella bryoniae) Leaf spots (Alternaria spp., Cercospora spp.) Myrothecium canker (Myrothecium roridum) Powdery Mildew (Sphaerotheca fuliginea, Erysiphe cichoracearum)	6.2-15.4 (0.10-0.25)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation. Resistance Management: Do not apply more than two sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. Do not make more than six applications of ABOUND or other strobilurin fungicides per crop per acre per year. Application Directions: For both downy and powdery mildew control, do not make more than one application of ABOUND before alternating with fungicides that have a different mode of action. Make preventative applications on a 5-7 day schedule. For belly rot control, the first application should be made at the 1-3 leaf crop stage with a second application just prior to vine tip over or 10-14 days later whichever occurs first. For all other diseases, ABOUND applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage. ABOUND should not be tank mixed with Malathion, Kelthane®, Thiodan®, Phaser®, Lannate®, Lorsban®, M-PEDE® or Botran®.
	Soilborne diseases Rhizoctonia root rot (<i>Rhizoctonia solani</i>)		For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section. Do not apply more than 2.88 quarts of product/crop/acre/season (1.5 lbs ai/A). Do not apply within 1 day of harvest.
Gourds	See Cucurbits	<u> </u>	

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Muscadines (Plasmopara viticola) (0.16-0.25) management strategy that includes canopy management through pruning and thinning, presention of variaties with disease tolerance, proper timing and placement of irrigation and removal of plant debris in which inoculum overwinters. Phomopsis Cane and Leaf Spot (Phomopsis viticola) Resistance Management Do not apply more than two sequential applications of ABOUID before alternating with a fungicide that has a different mode of action. Do not make more six applications of ABOUND or other strobilurin fungicides per acre per year. Application Directions: ABOUND applications should begin prior to disease developme continue throughout the season every 10-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may that recommender rates. Do not apply more than 2.88 quarts product/acre/season (1.5 lb ai/A). Do not apply more than 2.88 quarts product/acre/season (1.5 lb ai/A). Do not apply within 14 days of harvest. ACUID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees (and i fruit). DO NOT spray when conditions favor drift beyond area intended for application. Condition which may contribute to drift include thermai inversic, wind speed and direction, sprayer nozzle/pressure combinations, spray droplet size, etc. Contact your State extension agen spray drift prevention guidelines in your area.	Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
cause unacceptable phytotoxicity to certain apple and crabapple varieties.		(<i>Plasmopara viticola</i>) Phomopsis Cane and Leaf Spot (<i>Phomopsis viticola</i>) Powdery Mildew (<i>Uncinula necator</i>) Black Rot		Resistance Management: Do not apply more than two sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. Do not make more than six applications of ABOUND or other strobillurin fungicides per acre per year. Application Directions: ABOUND applications should begin prior to disease development and continue throughout the season every 10-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates. Do not apply more than 2.88 quarts product/acre/season (1.5 lb ai/A). Do not apply within 14 days of harvest. ATTENTION ABOUND is extremely phytotoxic to certain apple varieties. AVOID SPRAY DRIFT. Extreme care must be used to prevent injury to apple trees (and apple fruit). DO NOT spray ABOUND where spray drift may reach apple trees. DO NOT spray when conditions favor drift beyond area intended for application. Conditions which may contribute to drift include thermal inversion wind speed and direction, sprayer nozzle/pressure combinations, spray droplet size, etc. Contact your State extension agent for spray drift prevention guidelines in your area. DO NOT use spray equipment which has been previously used to apply ABOUND to spray apple trees. Even trace amounts can cause unacceptable phytotoxicity. Even trace amounts can cause unacceptable phytotoxicity.

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
Leafy Vegetables Amaranth Arugula Cardoon Celery Celtuce Chervil Chrysanthemum-	Foliar Diseases Alternaria leaf spot (Alternaria sonchi, A. spp.) Cercospora leaf spot (Cercospora spp.) Anthracnose	6.2-15.4 (0.10-0.25)	Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation.Resistance Management: Do not apply more than three sequential applications of ABOUND (following application directions) before alternating with a fungicide that has a different mode of action. Do not make more than six applications of ABOUND or other strobilurin fungicides per
edible Coriander leaves (Cilantro) Corn salad Cress Dandelion Dock	(Microdochium panattonianum, C. dematium) Septoria leaf spot (Septoria petroselini) White rust		crop per acre per year. Application Directions: For both downy and powdery mildew control, do not make more than one application of ABOUND before alternating with fungicides that have a different mode of action. Make preventative applications on a 5-7 day schedule. For all other diseases, ABOUND applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by
Endive Fennel Lettuce, head and leaf Orach Parsley Purslane	(Albugo occidentalis Downy mildew (Bremia lactucae) Powdery mildew	12.3 - 15.4 (0.20 - 0.25)	ground, air or chemigation. An adjuvant may be add ed at recommended rates to improve coverage. ATTENTION: Applications of ABOUND to spinach and lettuce foliage have contributed to foliar phytotoxicity under certain circumstances. Proceed with caution with regard to tankmixes and adjuvants when treating spinach and lettuce with ABOUND. ABOUND must not be tank mixed on leaf lettuce with AMBUSH® WP, Pounce® WP, Aliette , Warrior® T, or any other product that may
Radicchio Rhubarb Spinach Swiss Chard	(Eyrisiphe cichoracearum) Soilborne Diseases Webb blight, Bottom rot, Crater rot, Root rot		increase the penetration of ABOUND into the leaf sur ace, such as, but not limited to silicone wetters. For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section.
	(Rhizoctonia solani)		Do not apply more than 2.88 quarts of product/crop/acre/season (1.5 lbs ai/A). May be applied the day of harvest.
Lettuce	See Leafy Vegetables		
Melons	See Cucurbits		
Muskmelons	See Cucurbits		
Nectarines	See Stone Fruit		
Onions	See Bulb Vegetables		
Peach	See Stone Fruit	<u>_</u>	

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
Peanuts	Early Leaf spot (Cercospora arachidicola) Late Leaf spot (Cercosporidium personatum) Pythium Pod Rot (Pythium myriotylum) Rust (Puccinia arachidis) Web biotch (Phoma arachidicola) Soilborne Diseases Rhizoctonia Peg and Pod Rot (Rhizoctonia Solani) Stem Rot/White Mold (Sclerotium rolfsii)	6.2-24.6 (0.10-0.40)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, proper timing and placement of irrigation, crop rotation and crop re≲idue management. Resistance Management: For control of peanut leaf spot diseases, do not make more than two applications of ABOUND or other strobilurin fungicides per acre per year. Application Directions: ABOUND should be applied at approximately 60 and 90 days after planting as a foliar application. This application regime may be applied earlier in the season if environmental conditions favor disease development. These two applications of ABOUND will provide season-long protection against the soil borne diseases labeled and will also provide control of early and late leaf spot for a 10-14 day period after each spray. For control of Pythium a rate of 24.6 fl oz is generally required. Additional applications of other labeled fungicides on a leaf spot diseases. Applications may be made by ground air or chemigation. An adjuvant may be added at recommended rates to improve coverage. For control of seedling diseases and early-season soilborne diseases use an in-furrow application (see directions and rates under GENERAL INFORM/ TION section). Do not apply more than 1.54 quarts product/acre/season (0.8 lbs ai/acre/season). Do not apply within 14 days of harvest.
Pecans	Anthracnose (Glomerella cingulata) Scab (Cladosporium caryigenum)	6.2-12.3 (0.10-0.20)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with tolerance to disease and removal of plant debris in which inoculum overwinters. Resistance Management: Do not apply more than four sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. Do not make more than six applications of ABOUND or other strobilurin fungicides per acre per year. Application Directions: ABOUND applications should begin prior to disease development and continue throughout the season on 7-21 day intervals following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage. Do not apply more than 2.31 quarts product/acre/season (1.2 lb ai/A). Do not apply within 45 days of harvest.

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Сгор	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remark
Pistachios	Alternaria Late Blight (Alternaria alternata) Botryosphaeria panicle and shoot blight (Botryosphaeria dothidea) Septoria leaf spot (Septoria pistaciarum)	6.2-15.4 (0.10-0.25)	Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance and removal of plant debris in which inoculum overwinters. Resistance Management: Do not apply more than four sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. Do not make more than six applications of ABOUND or other strobilurin fungisides per acre per year. Application Directions: ABOUND applications should begin prior to disease development and continue throughout the season on 7-21 day intervals following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates. Do not apply more than 2.88 quarts product/acre/season (1.5 lb ai/A). Do not apply within 28 days of harvest.
Plums	See Stone Fruit		

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Rem ark S
Potatoes	Early Blight (<i>Alternaria solani</i>) Late Blight (<i>Phytophthora infestans</i>) Black dot (<i>Colletotrichum coccodes</i>) Powdery mildew (<i>Erysiphe cichoracearum</i>) (<i>Erysiphe cichoracearum</i>) Silborne Diseases Black scurf (<i>Rhizoctonia solani</i>) Silver scurf (Helminthosporium solani)	6.2-20.3 (0.10-0.33)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes removal of plant Jebris, in which inoculum overwinters, selection of varieties with tolerance to disease, clean certified seed, seedpiece treatment, and disease forecasting. Resistance Management: Do not make more than one application of ABOUND before alternating with a fungicide that has a different mode of action, such as BRAVO. Make applications on a 5-7 day schedule. Do not alternate or tank mix with fungicides to which resistance has developed. Do not make more than six applications of ABOUND or other strobilurin fungicides per acre per year. Application Directions: For both early and late blight, maintain the alternation program described above. Early blight - For a 7-day application schedule use ABOUND 6.2 fl oz product/A, if the interval is increased to 14 days use the 12.3 fl oz product/A rate. Late blight - Apply ABOUND at 6.2 fl oz product/A on a 7 day schedule. Initiate late blight applications in a preventative schedule. For all other disease increase the ABOUND rate to 12.3 to 15.4 fl oz product/A and use a 5-day schedule. For all other diseases, ABOUND applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. Addition of a spreader/sticker may improve coverage. Do not make more than six applications of ABOUND per acre per year for all diseases. For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section. Do not apply within 14 days of harvest.
Prunes	See Stone Fruit		
Pumpkins	See Cucurbits		
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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks.
Rice	Sheath/Stem Diseases Sheath Blight (<i>Rhizoctonia solani</i>)	6.2-18.5 (0.10 - 0.30)	Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of variaties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation, and sound water management practices.
	Aggregate Sheath Spot (<i>Rhizoctonia oryzae-</i> sativae) Crown (Black) Sheath Rot (Gaeumannomyces		Resistance Management : When ABOUND is being applied for panicle blast on continuous rice acreage (no rotation to other crops) no more than four sequential applications of ABOUND should be made over multiple years before alternating with a fungicide with a different mode of action Do not make more than three applications of ABOUND or other strobilurin fungicides per acre per year.
	graminis var. graminis) Sheath Spot (Rhizoctonia oryzae)		Application Directions: ABOUND should be applied prior to disease development. Applications may be made by ground, air or chemigation. For aerial application, volumes should be 5-10 GPA. An adjuvant may be added at recommended rates to improve coverage.
	Stem Rot (Sclerotium oryzae) Foliar Diseases Brown Leaf spot		For stem/sheath diseases including sheath blight, stem rot, black sheath rot, aggregate sheath spot and sheath spot apply when disease is less than 4 inches above water line usually between panicle differentiation (PD) +5 days to PD+10 days or at initial sign of disease. Under heavy disease pressure and conditions favorable for disease development, a second application may be applied.
	(Cochliobolus miyabeanus) Leaf Smut (Entyloma oryzae) Narrow Brown Leaf spot		For foliar and panicle diseases, apply ABOUND prior to disease development. ABOUND must be applied as a preventative treatment for blast control and applied prior to favorable conditions for blast development. For panicle blast an application should be applied at mid-boot to boot-split but prior to full head emergence. A second application should be applied when panicles are approximately 60-90% emerged from the boot (7-14 days later).
	(<i>Cercospora oryzae</i>) Panicle Diseases Kernel Smut (<i>Tilletia barclayana</i>)		Do not treat rice fields used for aquaculture of fish and crustacea. Do not apply when weather conditions favor drift from treated areas to non-target aquatic habitat. Applicators should use care in making applications near non-target aquatic habitats.
	Panicle Blast (<i>Pyricularia grisea</i>)		Do not apply more than 1.34 quarts of product/acre/season (0.7 lbs ai/A). Do not apply within 28 days of harvest. Do not allow release of irrigation or flood water for at least 14 days after the last application.

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
Roses	Black Spot (<i>Diplocarpa rosae</i>) Downy Mildew (<i>Peronospora sparsa</i>) Powdery Mildew (<i>Sphaerotheca pannosa</i>) Rust (<i>Phragmidium mucronatum, P. tuberculatum, and other Phragmidium spp.</i>) Septoria Leaf Spot (<i>Septoria rosea</i>) Alternaria Leaf Spot (<i>Alternaria alternata</i>)	3.1-15.4 (0.05-0.25)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, winter and/or spring pruning, plant residue management and proper timing and placement of irrigation. Resistance Management: Do not make more than four (4) sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. Do not make more than eight applications of ABOUND or other strobilurin fungicides per acre per year. Application Directions: ABOUND applications should begin prior to disease development and continue throughout the season on 7-21 day intervals following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage. Plant Safety: ABOUND has been shown to be safe when applied to roses. However, all varieties of roses have not been evaluated for safety. Small scale variety safety testing must be conducted to insure plant safety prior to large scale application. In addition, do not tankmix ABOUND with other fungicides, insecticides, herbicid<i>es</i>, fertilizer, etc. unless local experience indicates that the tankmix is safe to roses. Do not apply more than 3.75 quarts product/acre/serison (2.0 lb, ai/A).

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
Soybeans	Aerial blight (<i>Rhizoctonia solani</i>) Anthracnose (<i>Colletotrichum truncatum</i>) Alternaria leaf spot (<i>Alternaria</i> spp.) Brown spot (<i>Septoria glycines</i>) Cercospora blight and leaf spot (<i>Cercospora kikuchii</i>) Frogeye leafspot (<i>Cercospora sojina</i>) Pod and Stem blight (<i>Diaporthe phaseolorum</i>)	6.2-15.4 (0.10-0.25) 12.3-15.4 (0.20-0.25)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation. Resistance Management: No more than two applications of ABOUND or other strobilurin fungicides should be made per growing season. Do not alternate or tank mix with fungicides to which resistance has developed in the pathogen population. Application Directions: ABOUND applications should begin prior to disease development. Use the high rates under conditions favorable for severe disease pressure, dense plant canopies, or when susceptible varieties are planted. Contact Extension personnel for local economic thresholds and timings for specific diseases in your area. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.
	Soilborne Diseases Southern blight (Sclerotium rolfsii)		For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section. Do not apply more than 2.88 quarts of product/crop/acre/season (1.5 lbs ai/A) Do not make more than one application at 15.4 fl oz product/acre or 0.25 lbs ai/A to soybean
			forage and hay. Do not apply within 14 days of harvest of soybeans (bean). May be applied the day of harvest to soybean forage and hay.
Spinach	See leafy Vegetables		
Squash	See Cucurbits		

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
Stone Fruit Apricot Cherry, sweet Cherry, tart Nectarine Peach Plum Plumcot Prune	Scab (Cladosporium carpophilum) Alternaria Spot and Fruit Rot (Alternaria alternata) Anthracnose (Colletotrichum pruicola, C. gloeosporioides) Leaf Rust (Tranzschelia discolor) Powdery Mildew (Sphaerotheca parnnosa, Podosphaera clandestina) Shothole (Wilsonomyces carpophilus) Brown Rot Blossom blight and Fruit rot (Monilinia fructicola, M. Iaxa)	6.2-15.4 (0.10-0.25) 12.3-15.4 (0.20-0.25)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, removal of plant debris in which inoculum overwinters and pruning to provide sunlight and aeration into the canopy. Resistance Management: For blossom blight do not apply more than two sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. For all other diseases do not apply more than four sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. For all other diseases do not apply more than four sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. Do not alternate or tank mix with fungicides to which resistance has developed in the pathogen population. Do not make more than six applications of ABOUND or other strobilurin fungicides per acre per year for all diseases. Do not make more than 4 applications of ABOUND or other strobilurin fungicides per acre per year for all diseases. Do not make more than 4 applications of ABOUND or other strobilurin fungicides per acre per year at 15.4 fl oz product/A (0.25 lb ai/A). Application Directions: For brown rot blossom blight, - Begin applications at early bloom and continue through petal fall. Do not apply more than two applications of ABOUND before alternating with fungicides that have a different mode of action. For brown rot on fruit, ABOUND may be applied to fruit up to the day of harvest. Do rot apply more than two applications at petal fall and continue at 7-14 day intervals. For all other diseases, begin applications at petal fall and continue at 7-14 day intervals. For all other diseases, begin applications at petal fall and continue at 7-14 day intervals. For all other diseases, begin applications at petal fall and continue at 7-14 day intervals. For all other diseases, begin applications at petal fall

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remark5
Tomatoes	Anthracnose (Colletotrichum coccodes) Black Mold	3.1-6.2 (0.05-0.10)	Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes proper selection of varieties with disease tolerance, removal of plant debris in which inoculum overwinters, plant residue management, crop rotation and proper timing and placement of irrigation.
	(Alternaria alternata) Buckeye Rot (Phytophthora spp.) Early Blight (Alternaria solani) Powdery Mildew (Oidiopsis sicula) Septoria Leaf spot (Septoria lycopersici) Target spot (Corynespora cassiicola) Late Blight (Phytophthora infestans)	3.1-6.2 (0.05 - 0.10)	 Resistance Management: When ABOUND is being applied for the control of early blight, Septoria leaf spot and/or anthracnose, no more than four sequential applications of ABOUND should be made before alternating with a fungicide ti at has a different mode of action. When ABOUND is being applied for the control of late blight, no more than two sequential applications of ABOUND should be made before alternating with a fungicide that has a different mode of action. When ABOUND should be made before alternating with a fungicide that has a different mode of action. If late blight should occur during an early blight spray program, switch immediately to the late blight spray program beginning with a fungicide that has a different mode of action. Do not make more than six applications of ABOUND or other strobilurin fungicides per acre per year Application Directions: ABOUND applications should begin prior to disease development and continue throughout the season following the resistance management guidelines. For late blight ABOUND should be applied at 5-7 day intervals, do not make more than one application of ABOUND before alternating with fungicides that have a different mode of action. For all other tomato diseases ABOUND should be applied on 7-21 day intervals. Applications may be made by ground, air or chemigation. ABOUND should not be applied until 21 days after transplanting or 35 days after seeding. ABOUND should not be applied within +/-6 days of a postemergence broadcast application of Sencor. Do not apply with an adjuvant due to the potential for phytotoxicity. Do not apply more than 1.15 quarts product/acre/season (0.6 lb ai/A) May be applied the day of harvest.

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
Tree Nuts Almonds (see specific use instructions) Beechnut Brazil nut Butternut Cashew Chestnut Chinquapin Filbert Hickory Macadamia Pecan Walnut	Alternaria leaf and fruit spot (Alternaria alternata) Anthracnose (Colletotrichum acutatum, Glomerella cingulata) Late blight (Alternaria alternata) Scab (Cladosporium carpophilum) Septoria leaf spot (Septoria pistaciarum)	6.2-12.3 (0.10-0.20)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varielies with disease tolerance, removal of plant debris in which inoculum overwinters and proper timing and placement of irrigation. Resistance Management: For blossom blight do not apply more than two sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. For all other diseases do not apply more than four sequential applications of ABOUND before alternating with a fungicide sequential applications of ABOUND before alternating with a fungicide sequential applications of ABOUND before alternating with a fungicide sequential applications of ABOUND before alternating with a fungicide sequential applications of ABOUND before alternating with a fungicide sequence of action. Do not make more than six applications of ABOUND or other strobilurin fungicides per acre per year. Application Directions: ABOUND applications should begin prior to disease development and continue throughout the season following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.
Pistachios (see specific use instructions)	Shothole (Wilsonomyces carpophilus) Blossom Blight (Monilinia Iaxa, M. fructicola)	12.3 (0.20)	For blossom blight begin applications at early bloom and continue through petal fall. For all other diseases begin applications prior to disease development and continue at 7-21 day intervals throughout the season. Do not apply more than 2.31 quarts product/acre/season (1.2 LB ai/A). Do not apply within 45 days of harvest.

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Стор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
Vegetable — Leaves of Root and Tuber Group Beet,garden and sugar Burdock Carrot Cassava, bitter and sweet Celeriac (celery root) Chervil turnip-rooted Chicory Dasheen (taro) Parsnip Radish Radish, oriental (daikon) Rutabaga Salsify, black	Foliar Diseases Alternaria leaf spot (Alternaria spp., A. Alternata) Ascochyta leaf spot (Ascochyta cynarae) Powdery mildew (Erysiphe polygoni, Leveillula taurica) Rust (Uromyces betae, Puccinia helianthi) Cercospora leaf spot (Cercospora betae, C. pastinaceae) White rust (Albugo tragopogonis)	6.2-20.3 (0.10-0.33)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation. Resistance Management: Do not apply more than two sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. Do not make more than six applications of ABOUND or other strobilurin fungicides per crop per acre per year. Application Directions: For powdery mildew control, do not make more than one application of ABOUND before alternation with fungicides that have a different mode of action. Make preventative applications on a 5-7 day schedule. For all other diseases, ABOUND applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.
Sweet potato Tanier Turnip Yam, true	Soilborne Diseases Aphanomyces root rot (Aphanomyces cochlioides) Circular spot, Southern blight (Sclerotium rolfsii)		For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section.
	Rhizoctonia stem canker, Crown rot <i>(Rhizoctonia solani)</i> Pythium root rot <i>(Pythium aphanadermatum)</i>		Do not apply more than 3.75 quarts of product/crop/acre/season (2.0 lbs ai/A). May be applied the day of harvest.

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
Vegetables — Root Subgroup Beet, garden and sugar Burdock Carrot Celeriac Chervil turnip-rooted Chicory Ginseng Horseradish Parsley, turnip-rooted Parsnip Radish Radish, oriental Rutabaga Salsify Salsify, Spanish Skirret Turnip	Foliar Diseases Alternaria leaf spot (Alternaria spp., A. Alternata) Ascochyta leaf spot (Ascochyta cynarae) Rust (Uromyces betae, Puccinia helianthi) White rust (Albugo tragopogonis) Cercospora leaf spot (Cercospora betae, C. pastinaceae) Powdery mildew (Erysiphe polygoni, Leveillula taurica)	6.2-20.3 (0.10-0.33)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation. Resistance Management: Do not apply more than two sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. Do not make more than six applications of ABOUND or other strobilurin fungicides per crop per acre per year. Application Directions: For powdery mildew control do not make more than one applications of ABOUND before alternation with fungicides that have a different mode of action. Make preventative applications on a 5-7 day schedule. For all other diseases, ABOUND applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.
	Soilborne Diseases Aphanomyces root rot (Aphanomyces cochlioides) Circular spot, Southern blight (Sclerotium rolfsii)		For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section. The use of MSO in microherbicide banded applications may cause phytotoxicity on sugarbeets if ABOUND is added to the mixture.
	Rhizoctonia stem canker, Crown rot <i>(Rhizoctonia solani)</i> Pythium root rot <i>(Pythium aphanadermatum)</i>		Do not apply more than 3.75 quarts of product/crop/acre/season (2.0 lbs ai/A). May be applied the day of harvest.

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Сгор	Target Diseases	Use Rate fl oz product/A (Ib ai/A)	Remarks
Vegetables — Tuberous and Corm Subgroup	Foliar Diseases Alternaria leaf spot (Alternaria spp., A. Alternata)	6.2-20.3 (0.10-0.33)	Integrated Pest (Disease) Management : ABOUND should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation.
Arracacha Arrowroot Artichoke, Chinese and Jerusalem	Ascochyta leaf spot (Ascochyta cynarae)		Resistance Management: Do not apply more than two sequential applications of ABOUND before alternating with a fungicide that has a different mode of action. Do not make more than six applications of ABOUND or other strobilurin fungicides per crop per acre per year.
Canna Cassava, edible, bitter and sweet Chayote (root) Chufa Dasheen (Taro) Ginger Leren Potato Sweet Potato	Powdery mildew (Erysiphe polygoni, Leveillula taurica) Rust (Uromyces betae, Puccinia helianthi) Cercospora leaf spot (Cercospora betae,		Application Directions: For powdery mildew control, do not make more than one application of ABOUND before alternation with fungicides that have a different mode of action. Make preventative applications on a 5-7 day schedule. For all other diseases, ABOUND applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rates to improve coverage.
Tanier Turmeric Yam, bean Yam, true	C. pastinaceae) White rust (Albugo tragopogonis)		
	Soilborne Diseases Aphanomyces root rot (Aphanomyces cochlioides) Circular spot, Southern blight (Sclerotium roffsii)		For soilborne/seedling disease control, see directions and rates under GENERAL INFORMATION section.
	Rhizoctonia stem canker, Crown rot <i>(Rhizoctonia solani)</i> Pythium root rot		Do not apply more than 3.75 quarts of product/crop/acre/season (2.0 lbs ai/A). Do not apply within 14 days of harvest.
	(Pythium aphanadermatum)		
<u>Natermelon</u>	See Cucurbits		

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Сгор	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Wheat	Leaf Rust (<i>Puccinia recondita</i> f.sp. <i>tritici</i>) Stripe Rust (<i>Puccinia striiformis</i>) Stem Rust (<i>Puccinia graminis</i>) Septoria Leaf and Glume Blotch (<i>Septoria tritici,</i> <i>Septoria nodorum</i>) Tan Spot (<i>Pyrenophora tritici-repentis</i>) Powdery Mildew (<i>Erysiphe graminis</i>)	4.0-12.3 (0.07-0.20)	 Integrated Pest (Disease) Management: ABOUND should be integrated into an overall disease management strategy that includes proper selection of varieties with disease tolerance, proper timing and placement of irrigation, removal of plant debris in which inoculum overwinters, plant residue management, and crop rotation. Resistance Management: Do not make more than two applications of ABOUND or other strobilurin fungicides per acre per year. Application Directions: ABOUND should be applied prior to disease development from jointing (Feekes 6 or Zadok's 31) up to late head emergence (Feekes 10.5 or Zadok's 59). Applications may be made by ground, air or chemigation. A crop ail concentrate adjuvant may be added at 1.0% V/V to optimize efficacy. Do not apply until after forage stage (Feekes 6 or Zadok's 31). Do not apply later than Feekes growth stage 10.5 (Zâdok's growth stage 59). Do not apply more than 0.77 quarts product/acre/seeson (0.4 lb ai/A). Do not apply within 14 days of harvest for fara.
Zucchini	See Cucurbits		

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Fluid Ounces Product/A	Lb ai/A	Treated Acres/Gal Product
2	0.03	64.0
3	0.05	42.7
4	0.07	32.0
5	0.08	25.6
6	0.10	21.3
7	0.11	18.3
8	0.13	16.0
9	0.15	14.2
10	0.16	12.8
11	0.18	11.6
12	0.20	10.7
13	0.21	9.8
14	0.23	9.1
15	0.24	8.5
16	0.26	8.0
17	0.28	7.5
18	0.29	7.1
19	0.31	6.7
20	0.33	6.4
21	0.34	6.1
22	0.36	5.8
23	0.37	5.6
24	0.39	5.3

ABOUND Flowable Fungicide Rate Conversion Chart

Amount of ABOUND Flowable Fungicide to Mix 100 Gallons for Post-Harvest Applications

ABOUND Flowable Use Rate	100.0 gals Spray Solution
300 ppm	1 pint
400 ppm	1.3 pints

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TURF

Golf Course turf (Not for use in California)

Commercial Turf farms (Not for use in California)ABOUND Flowable Fungicide is recommended for control of anthracnose, brown patch, cool weather brown patch (yellow patch), Fusarium patch, gray leaf spot, gray snow mold (Typhula blight), leafspot, melting out, necrotic ring spot, pink patch, pink snow mold, Pythium blight, Pythium root rot, red thread. Rhizoctonia large patch, southern blight, spring dead spot, summer patch, take-all patch, and Zoysia patch on golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

Integrated Pest (Disease) Management: Sound turf management resulting in healthy, vigorous turf is the foundation of a good IPM program. Cultural practices such as proper choice of turf variety, nutrient management, proper cutting height, thatch management, and proper watering, drainage, and moisture stress management should be integrated with the use of fungicides to increase turf vigor and reduce the susceptibility to disease. Immunoassay detection kits and extension service diagnostic services can assist in the early and accurate identification of causal organisms and corresponding selection of the proper fungicide when required.

Resistance Management: Some turf disease pathogens are known to have developed resistance to products used repeatedly for their control. ABOUND Flowable should be applied in a tank mix or alternation program with other registered fungicides that have a different mode of action and to which pathogen resistance has not developed. Do not apply more than two sequential ABOUND Flowable applications for *Pythium* spp. control. For all other diseases when *Pythium* spp. Is not present, do not apply more than three sequential applications of ABOUND.

Application Directions: ABOUND should be applied prior to disease development. Mix ABOUND Flowable with the required amount of water and apply as a dilute spray application in 2-4 gallons of water per 1000 square feet (87-174 gallons per acre). Repeat applications at specified intervals for as long as required. For spot treatments, use 0.4 fl oz ABOUND per 1 to 2 gallons of water. Do not apply more than 9.6 quarts product/acre/year (7.1 fl oz product/1000 square feet/year. Applications may be made by ground only.

Rate Ranges: Use the shortest specified application interval and/or use the higher specified rate when prolonged favorable disease conditions exist.

Dollar Spot: ABOUND Flowable Fungicide does not control dollar spot. ABOUND Flowable Fungicide is compatible in tank mixes with many other fungicides that control dollar spot. Always tank mix ABOUND Flowable Fungicide with another fungicide that controls dollar spot when this disease is present. Follow directions under TANKMIXES/COMPATIBILITY above.

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DIRECTIONS FOR APPLICATION FOR TURF DISEASES

	Use Rate	Application Interval	
Target Diseases	(fl oz product per 1000 sq ft)	(days)	Remarks*
Anthracnose	0.38-0.77	14-28	Apply when conditions are favorable
(Colletotrichum graminicola)			for disease development.
Brown Patch	0.38-0.77	14-28	Apply when conditions are favorable
(Rhizoctonia solani)			for disease development.
Cool Weather Brown Patch	0.38-0.77	28	Nake one or two applications in fall
Yellow Patch			or when conditions are favorable for
(Rhizoctonia cerealis)			disease development.
Fusarium Patch	0.38-0.77	14-28	Apply when conditions are favorable
(Microdochium nivale)		L	for disease development.
Gray Leaf Spot	0.38-0.77	14-28	Begin applications before disease is
(Pyricularia grisea)		3	present and continue applications
			while conditions are favorable for
			disease development.
Gray Snow Mold	1.35	single	Make a single application of 1.35 fl
Typhula blight	0.77	application	oz or two applications of 0.77
(Typhula incarnata, T.	0.77	14	spaced 14 days apart in late fall just
ishikariensis)			before snow cover. Tankmixing with another snow mold fungicide may
		}	enhance control under severe
			disease pressure.
Leafspot	0.38-0.77	14-21	Apply when conditions are favorable
(Bipolaris sorokiniana)	0.00 0.17		for disease development.
Melting Out	0.38-0.77	14-21	Apply when conditions are favorable
(Drechslera poae)		1	for disease development
Necrotic Ring Spot	0.38-0.77	14-28	Apply when conditions are favorable
(Leptosphaeria korrae)			for disease development.
Pink Patch	0.38-0.77	14-28	Apply when conditions are favorable
(Limonomyses roseipellis)			for disease development.
Pink Snow Mold	1.35	single	Make a single application of 1.35 fl
(Microdochium nivale)		application	oz or two applications of 0.77
	0.77	14	spaced 14 days apart in late fall just
			before snow cover. Tankmixing with
			another snow mold fungicide may
			enhance control under severe
	0.00.0.77	40.44	disease pressure.
Pythium Blight	0.38-0.77	10-14	Begin applications before disease is
Pythium Root Rot			present. During periods of prolonged favorable conditions, treat
(Pythium aphanidermatum, Pythium spp.)	1		on the 10 day application interval.
r yunum spp.)	í	{	For use on newly seeded as well as
		ļ	established turf.
Red Thread	0.38-0.77	14-28	Apply when conditions are favorable
(Laetisaria fuciformis)			for disease development.

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Target Diseases	Use Rate (fl oz product per 1000 sq ft)	Application Interval (days)	Remarks*
Rhizoctonia Large Patch (<i>Rhizoctonia solani</i>)	0.38-0.77	28	Make one or two applications in fall or when conditions are favorable for disease development.
Southern Blight (Sclerotium rolfsii)	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Spring Dead Spot (Leptosphaeria korrae) or (Gaeumannomyces graminis var. graminis) or (Ophiosphaerella herpotricha)	0.38-0.77	28	Make one or two applications in fall or when conditions are favorable for disease development.
Summer Patch (Magnaporthe poae)	0.38-0.77	14-28	Apply when conditions are favorable for disease development.
Take-all patch (Gaeumannomyces graminis var. avenae)	0.38-0.77	28	Make two applications, 28 days apart in the spring and two applications 28 days apart in the fall.
Zoysia Patch (Rhizoctonia solani and/or Gaeumannomyces incrustana)	0.38-0.77	28	Make one or two applications in late fall before snow cover or when conditions are favorable for disease development. Do not apply on top of snow.

Do not apply more than two sequential applications of ABOUND for control of Pythium spp. For all other diseases, do not apply more than four sequential applications of ABOUND.

Fluid Ounces Product Per 1000 Sq. Ft.	Ounces A.I. Per 1000 Sq. Ft	Fluid Ounces Product Per Acre	Pints of Product Per Acre
0.4	0.104	17.4	1.1
0.5	0.130	21.8	1.4
0.6	0.156	26.1	1.6
0.7	0.182	30.5	1.9
0.77	0.200	33.5	2.1
1.35	0.35	58.8	3.7

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	Spray Volume (gallons/1000 square feet)				
ABOUND Flowable Use Rate	2.0 gals	3.0 gals	4.0 gals		
0.4 fl oz	20 fl oz	13 fl oz	10 fl oz		
0.5 fl oz	25 fl oz	17 fl oz	13 fl oz		
0.6 fl oz	30 fl oz	20 fl oz	15 fl oz		
0.7 fl oz	35 fl oz	23 fl oz	18 fl oz		
0.77 fl oz	38.5 fl oz	25.7 fl oz	19.3 fl oz		
1.35 fl oz	67.5 fl oz	45 fi oz	33.75 fl oz		

Amount of ABOUND Flowable Fungicide to Mix 100 Gallons for Turf Applications

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