

100-1145

01/22/2002

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
100-1145

Date of Issuance:  
JAN 22 2002

NOTICE OF PESTICIDE:  
 Registration

Reregistration  
(under FIFRA, as amended)

Term of Issuance:  
Time-limited registration;  
Expires January 31, 2003

Name of Pesticide Product:  
Axle® 2E

Name and Address of Registrant (include ZIP Code):

Syngenta Crop Protection, Inc.  
P. O. Box 18300  
Greensboro, NC 27419

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA Sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA Sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Follow the terms of registration established for Mefenoxan Technical, EPA Reg. No. 100-791.
3. Submit the results of one year corrosion characteristics study to the Agency.
4. Make the following labeling changes before you release the product for shipment:
  - a. Add the phrase "EPA Registration Number 100-1145."
  - b. On page 11, revise statement number 8 to read "... solution has cleared the last sprinkler head."

Signature of Approving Official:

Mary L. Waller, Product Manager (21)  
Fungicide Branch, Registration Division

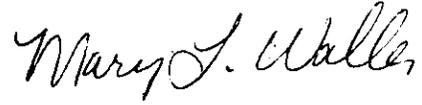
Date:

JAN 22 2002

- 4. Submit one copy of your final printed label before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA Sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Sincerely,



Mary L. Waller  
Product Manager 21  
Fungicide Branch  
Registration Division

Enclosure

Axle® 2E Label

Axle® 2E

FUNGICIDE

For the control of certain diseases in various crops caused by the Oomycete class of fungi

One Gallon  
U. S. Standard Measure

Active Ingredients\*

(R)-2-[(2,6-dimethylphenyl)-methoxyacetyl-amino]-propionic acid methyl ester .....	24.3%
Related Compounds .....	0.8%
Other Ingredients:	74.9%
Total	100.0%

Contains petroleum distillate

\*Contains 2 lbs. active ingredient per gallon.

EPA Reg. No. 100-RRLL

EPA Est. \_\_\_\_\_

**KEEP OUT OF REACH OF CHILDREN.**

**WARNING/AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional precautionary statements and directions for use inside booklet.

Product of Switzerland  
Formulated in the USA

SCP

(One Gallon \_\_\_\_\_)

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated:  
JAN 22 2002**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under EPA Reg. No.

100-1145

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not give <b>any</b> liquid to the person.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>NOTE TO PHYSICIAN</b>	
Contains petroleum distillate – vomiting may cause aspiration pneumonia. Treat symptomatically.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>HOT LINE NUMBER</b>	
For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call <b>1-800-888-8372</b>	

**PRECAUTIONARY STATEMENTS**

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**Hazards to Humans and Domestic Animals**

**WARNING/AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Causes substantial but temporary eye injury. Do not get in eyes. Wear safety glasses, goggles or face shield. Wash thoroughly with soap and water after handling. Harmful if swallowed or absorbed through skin. Avoid contact with skin, or clothing. Remove contaminated clothing and wash before reuse.

**Personal Protective Equipment**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical resistant gloves such as barrier laminate or viton (> 14 mils)
- Shoes plus socks
- Protective eye wear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering Control Statements**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### **User Safety Recommendations**

#### **Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

### **Environmental Hazards**

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Apply only as specified on this label. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment wash water or rinsate.

This chemical is known to leach through soil into 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.

### **Physical or Chemical Hazards**

Do not use or store near heat or open flame.

**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 the 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.

## DIRECTIONS FOR USE

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

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

### AGRICULTURAL USE REQUIREMENTS

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

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

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 such as barrier laminate or viton ( $\geq 14$  mils)
- Shoes plus socks
- Protective eye wear

**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.

**Do not enter or allow others or pets to enter the treated area until sprays have dried.**

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

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**STORAGE AND DISPOSAL**

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Do not use, pour, spill, or store near heat or open flame.

**Pesticide Disposal**

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Wastes resulting from the use of this product are acutely toxic. Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of federal law. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to federal, state, or local procedures. For guidance in proper disposal methods, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

**Container Disposal**

Do not reuse empty container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke.

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

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**GENERAL INFORMATION**

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Axle 2E is a systemic fungicide for use on selected crops to control certain diseases caused by members of the Oomycete class of fungi. Other fungicides must be used to control diseases caused by other classes of fungi.

**THIS PRODUCT IS NOT TO BE USED IN FOLIAR APPLICATIONS, UNLESS SPECIFIED ON THIS LABEL OR IN SOLUTIONS USED TO DIP PLANTS. DO NOT USE IN NURSERIES, TURF, OR LANDSCAPE PLANTINGS, UNLESS SPECIFIED IN THIS LABEL.**

**Note:** Axle 2E is a systemic fungicide having a specific mode of action and could be subject to development of insensitive strains of fungi. Development of insensitivity cannot be predicted. Therefore, Syngenta cannot assume liability for crop damage resulting from insensitive strains of fungi. If treatment is not effective following the use of Axle 2E as recommended, an insensitive strain of fungi may be present. If the treatment is ineffective due to the presence of a Axle 2E insensitive strain of fungi, neither Axle 2E nor any other fungicide with similar action will effectively control that disease. Consideration should then be given to the prompt use of other types of suitable fungicides. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance on your particular crop and disease control situation.

Do not make foliar applications to field grown tobacco or other crops, unless specified since this practice may encourage more rapid development of insensitivity.

**THIS LABEL IS FOR FIELD USE ONLY AND IS NOT INTENDED FOR USE ON TRANSPLANT TRAYS, GREENHOUSES, LATH HOUSES, FLOAT HOUSES, HYDROPONIC PRODUCTION, OR IN BEDDING PLANT STRUCTURES.**

Where rate ranges are specified on this label, use the higher rate when heavy disease pressure is expected and the lower rate when disease pressure is expected to be light, unless otherwise noted.

**ATTENTION: UNDER CONDITIONS CONDUCIVE TO EXTENDED INFECTION PERIODS, ADDITIONAL FUNGICIDE APPLICATIONS BEYOND THE NUMBER ALLOWED BY THIS LABEL MAY BE NEEDED. UNDER THESE CONDITIONS, USE ANOTHER FUNGICIDE REGISTERED FOR THE SPECIFIC CROP/DISEASE.**

Primary conditions conducive to extension of infection periods include: (1) a cool and wet environment for Pythium seedling disease, (2) long growing seasons,

(3) a cool and humid environment for downy mildew, and (4) use of susceptible varieties.

To avoid spray drift, do not apply under windy conditions. Avoid spray overlap, as crop injury may result.

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### APPLICATION METHODS

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Apply Axle 2E by ground or air in sufficient water or liquid fertilizer to provide uniform coverage of the soil surface. Apply in a minimum of 20 gals./A for ground applications and 5 gals./A by air. Refer to the specific crop directions for use for application recommendations.

For banded applications, the area actually treated is the area covered by the band, not total cropland area planted. Some row-crop recommendations are based on treating in-the-row and these rates generally are specified as amounts (fl. oz.) of product per certain row length (often 1,000 ft.). Others express rates as amount per treated acre which means the total area treated with the pesticide. If rates are expressed as amount per treated acre and banded applications are used, the amount of pesticide used per acre will be proportionately less. The following formula can be used to calculate the amount of Axle 2E needed per acre of crop when banded applications are made.

Calculate the amount of Axle 2E needed for band treatment by the formula:

$$\frac{\text{band width in inches}}{\text{row spacing in inches}} \times \text{broadcast rate per acre} = \text{amount needed per acre of field}$$

### Application Through Irrigation Systems

Axle 2E, alone or in combination with other pesticides which are registered for application through irrigation systems, may be applied through irrigation systems. Apply this product only through center pivot, solid set, hand move, moving wheel, micro-sprinkler, or drip irrigation systems. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. 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. 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.

### Operating Instructions

1. 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.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated 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.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. 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.
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.

### Application Instructions

Axle 2E must be applied on the schedule specified in the specific crop use recommendations, not according to the irrigation schedule.

With the exception of avocados and citrus, Axle 2E has not been sufficiently tested when applied through irrigation systems to assure consistent product performance for all labeled uses. The following calibration and application techniques are provided for user reference, **but do not constitute a warranty of fitness for application through sprinkler or drip irrigation equipment.** Users must check with state and local regulatory agencies for potential use restrictions before applying any agricultural chemical through sprinkler or drip irrigation equipment.

**Note:** Do not inject Axle 2E at full strength or deterioration of valves and seals may occur. Use a dilution ratio of at least 15 parts water to 1 part Axle 2E in the mix tank. Axle 2E is corrosive to many seal materials. Leather seals are best.

EPDM or silicone rubber seals can be used, but should be replaced once a year. Do not use Viton, Buna-N, Neoprene, or PVC seals.

### **Center Pivot Irrigation Equipment**

**Notes:** (1) Use only with drive systems which provide uniform distribution. (2) Do not use end guns when chemigating Axle 2E through center pivot irrigation systems because of non-uniform application. (3) Plug the first nozzle closest to well head to protect water source.

1. Determine the size of the area to be treated.
2. Determine the time required to apply 1/4 inch of water over the area to be treated when the system and injection equipment are operated at normal pressures as recommended by the equipment manufacturer. Run the system at 80-95% of the manufacturer's rated capacity.
3. Using water, determine the injection pump output when operated at normal line pressure.
4. Determine the amount of Axle 2E required to treat the area covered by the irrigation system.
5. Add the required amount of Axle 2E and sufficient water to meet the injection time requirements to the solution tank.
6. Make sure the system is fully charged with water before starting injection of the Axle 2E solution. Time the injection to last at least as long as it takes to bring the system to full pressure.
7. Maintain constant solution tank agitation during the injection period.
8. Continue to operate the system until the Axle 2E solution has cleared the sprinkler head.

### **Solid Set, Hand Move, and Moving Wheel Irrigation Equipment**

1. Determine the acreage covered by the sprinklers.
2. Fill injector solution tank with plain water and calibrate the flow rate of the system to deliver the contents of the tank over a 20 to 30-minute time interval.
3. Determine the amount of Axle 2E required to treat the area covered by the irrigation system.
4. Add the required amount of Axle 2E into the same quantity of water used to calibrate the injection period.

5. Operate the system at the same pressure and time interval established during the calibration.
6. Inject Axle 2E at the beginning of the irrigation cycle in 1/2-1 inch of water or as a separate application to maximize the effectiveness of the fungicide. Do not apply in excess of 1 inch of water.
7. Stop injection equipment after treatment is completed. Continue to operate the system until the Axle 2E solution has cleared the last sprinkler head.

### **Micro Sprinkler or Drip Irrigation Systems**

#### **General Instructions**

1. Each run of the irrigation system must be calibrated separately to determine the time it takes water to move through the system and to make sure all emitters in the system are putting out the same amount of water.
2. Only pressure injection or venturi equipment is recommended.
3. Determine the area to be treated in each irrigation run.
4. Measure the output of each of the emitters or drip tubes closest to and farthest from the injector site.
5. For calibration, substitute a concentrated detergent (such as Wisk) or a soluble fertilizer for the Axle 2E in the injector tank. The detergent will bubble as it leaves the emitters. The time period over which bubbles occur should be checked for both the closest and farthest emitters. If these times are not within 2 minutes of each other, adjust the dilution ratio and/or the injection rate.
6. If a soluble fertilizer is used, measure the time intervals with a salt bridge. If a drip system is being calibrated, substitute soluble fertilizer for the Axle 2E in the injector and measure the time intervals with a salt bridge.

#### **Step-by-Step Instructions**

1. Before starting to calibrate, operate the system until all the emitters are putting out at equal flow rates or until the system is operating at full pressure.
2. Make up an indicator solution of detergent or fertilizer, using the same ratio to be used when mixing Axle 2E.

3. Set the injector to apply the indicator solution at the injection rate to be used in the actual Axle 2E application.
4. Attach a 5-inch length of flexible tubing over the emitter closest to the injection point, another length over the emitter farthest away. Both emitters should be monitored to determine the time intervals that the indicator solutions are observed.
5. Begin injecting the indicator solution. Direct the flow from the tubes at the emitters into a small container. Begin timing when the indicator solution is first detected, stop timing when the indicator solutions are no longer detected.
6. If the period of detection of the indicator solution between the 2 emitters are within 2 minutes of each other, comparable coverage will be obtained. If they are not, make adjustments by increasing the dilution ratio, using more water per part of Axle 2E, or adjust the injector to a slower flow rate.
7. Once the system is calibrated, dilute the needed amount of Axle 2E with water in the mix tank using a minimum of 15 parts water to 1 part Axle 2E in the solution tank.
8. Do not begin to inject Axle 2E into the system until all emitters are producing equal flow rates, or until the system is at full pressure.
9. Inject the Axle 2E into the system at the beginning of the irrigation set in 1/2-1 inch of irrigation water. Do not apply in excess of 1 inch of water.

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### **MIXING PROCEDURES**

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Add 1/4-1/2 of the required amount of water to the spray tank, add the proper amount of Axle 2E, then add the rest of the water. When tank mixing other products with Axle 2E, follow the proper sequence of adding products to the spray tank. Wettable powders or water-dispersible granules should be added to the water in the tank first, followed by flowable products, with emulsifiable concentrates, such as Axle 2E, added last. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

Axle 2E is usually compatible with Balan®, Bravo®, Dasanit® + Di-Syston®, Dithane® M-22, Dithane M-45, Dasanit + Namacur®, Dasanit, D•z•n®, Enide®, Furadan®, Lorsban®, Manzate®, Manzate 200, Mocap®, Mocap Plus 4-2EC, Paarlan®, Quadris®, Terraclor® 2E, Terraclor 75WP, and Tillam®.

To assure the compatibility of Axle 2E with these and other labeled products, pour the products into a small container of water in the correct proportions as specified on the product labels. After thorough mixing, let stand for 5 minutes. If

the combination remains mixed, or can be remixed readily, the mixture is compatible.

**BEFORE TANK MIXING AXLE 2E WITH OTHER REGISTERED PRODUCTS FOR ANY USE ON THIS LABEL, READ THE LABEL OF THE TANK MIX PARTNER TO BE CERTAIN IT IS LABELED FOR USE ON THE PARTICULAR CROP AND THAT USE PATTERNS ARE COMPATIBLE WITH THOSE OF AXLE 2E.**

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## **CROP USE DIRECTIONS**

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### **ALFALFA\***

\*Including birdsfoot trefoil

Axle 2E applied to the soil at planting will provide control of damping-off caused by *Pythium* spp. and root rots caused by *Phytophthora* spp.

#### **Stand Establishment**

Apply ½-1 pt./A as a broadcast surface spray at planting in a minimum of 20 gals. of water. If inter-seeding alfalfa into existing stands for renovation, apply ½ pt./A as a broadcast surface spray at planting in a minimum of 20 gals. of water.

If alfalfa seed was previously treated with the Axle 2E active ingredient as a seed dressing, an application of Axle 2E at ½ pt./A is recommended at planting. However, always use the higher rate (1 pt./A) in areas where disease pressure is expected to be heavy.

**Note:** To avoid possible illegal residues, do not feed green forage or cut hay for 60 days following application.

### **APPLES (BEARING AND NONBEARING TREES)**

Use of Axle 2E will aid in the control of crown, collar, and root rot caused by *Phytophthora* spp. when used in conjunction with good cultural practices and rootstocks that are most tolerant to these diseases. Axle 2E applications should be made before symptoms appear, especially in areas of the orchard favorable for disease development. Axle 2E will not revitalize trees showing moderate to severe disease symptoms.

**Broadcast Spray or Banded Applications:** Apply 4 qts. per treated acre as a broadcast spray (3 fl. oz./1,000 sq. ft.) in sufficient water to obtain thorough coverage. The treated area is based on the area under the tree canopy or the area of the sprayed row. Soil surface sprays of Axle 2E will not be effective until the fungicide is moved into the root zone by rainfall or irrigation. Applications

should be made in early spring before growth starts and in the fall after harvest before the ground freezes.

**Drench:** Mix 1 pt. of Axle 2E with 100 gals. of water. Apply the amount of diluted mixture indicated in the table below around the trunk of each tree. Applications should be made in early spring before growth starts and in the fall after harvest before the ground freezes. On new plantings, delay the first application until 2 weeks after planting.

**Note:** To determine trunk diameter, measure the trunk 12 inches above the soil line.

Trunk Diameter	Qts. of Diluted Mixture Per Tree
< 1 inch	1 qt.
1-3 inches	2 qts.
3-5 inches	3 qts.
> 5 inches	4 qts.

**Notes:** (1) Do not dip roots of trees in or spray bare roots with solutions containing Axle 2E or crop injury may occur. (2) Do not graze or feed cover crops in treated orchards, or illegal residues may occur.

**ASPARAGUS**

Axle 2E will control crown rot and spear rot caused by *Phytophthora* spp.

Apply 2 pts./A as a broadcast spray in a minimum of 10 gals. of water over the beds.

**Cutting Beds:** Apply 30-60 days before the first cutting. For additional control, make another application prior to one day before the beginning of harvest.

**New Plantings:** Apply after planting seedlings or after covering one-year-old crowns.

**Note:** Do not apply Axle 2E within one day of harvest, or possible illegal residues may result.

## AVOCADOS

### Root Rot — *Phytophthora cinnamomi*

Begin applications at the start of the growing season or at transplanting. Two additional applications should be made at 3-month intervals. Applications are not needed during the months of November through February. Axle 2E may be applied as a sleeve drench at the time of transplanting, as a soil surface spray under sprinkler irrigation systems, as a directed spray under drip emitters, or injected into the irrigation water.

**Sleeve Drench:** Mix ½ fl. oz. of Axle 2E with 18 gals. of water. At the time of transplanting, drench the roots inside the sleeve with 2 qts. of Axle 2E solution per tree.

**Note:** The sleeve drench will not replace the soil surface applications for long-term control of root rot.

**Sprinkler Irrigation:** Apply as a soil surface spray under the canopy of the tree in sufficient water to obtain uniform coverage. See the following table for the amount of Axle 2E to use based on the diameter of the tree canopy. Start applications at the beginning of the growing season or at transplanting and continue at 3-month intervals.

**Drip Irrigation:** Apply the recommended amount of Axle 2E (see table) to the soil directly under the drip emitter at each tree. If there is more than one emitter per tree, distribute the total amount of Axle 2E needed among the emitters.

**Injection into Irrigation Water (Sprinkler or Drip Irrigation Only):** Inject Axle 2E into the irrigation water at a rate of 1-2 fl. oz./1,000 gals. (1.9-3.75 ppm active ingredient) at each irrigation. If Axle 2E is not applied at each irrigation, use the table below to determine how much Axle 2E should be injected into the irrigation water. If Axle 2E is to be used more frequently than every 3 months, adjust the rates so that no more than the specified amount is applied during each 3-month period. See the **General Information** section of this label for further instructions and precautions when making applications through irrigation systems.

Diameter of Tree Canopy (Ft.)	Amount of Axle 2E Per Ten Trees Per 3 Months
2	¼ - ½ fl. oz.
5	1 ½ - 3 fl. oz.
10	6 ½ - 13 fl. oz.
15 or wider	14 ½ - 29 fl. oz.

**Notes:** (1) For best results, use Axle 2E as soon as soil tests indicate the presence of *Phytophthora*. (2) For new plantings, the use of *Phytophthora* resistant rootstocks with Axle 2E is recommended. Mature trees in moderate to advanced stages of decline cannot be cured with Axle 2E. (3) Do not apply more than 3 gals./A of Axle 2E per year. (4) Do not make an application within 28 days of harvest, or illegal residues may result.

**BERRIES**

**Blueberries**

Use of Axle 2E will aid in the control of root rot caused by *Phytophthora* spp. when used in conjunction with good cultural practices to minimize disease. Axle 2E will not revitalize plants showing moderate to severe root rot symptoms.

**Established Plantings:** Apply ½ pt./1000 linear ft. of row (7.2 pts./A broadcast basis) in a 3-ft. band over the row before the plants start growth in the spring. One additional application may be made to coincide with periods most favorable for root rot development.

**New Plantings:** Apply 7.2 pts./A broadcast to the soil at or after the time of planting. A second application should be made to coincide with periods most favorable for root rot development. For banded applications, an 18-inch band over the row is recommended. Use the formula in the **General Information** section of the label to calculate the amount needed per acre.

**Note:** On new plantings, do not apply more than 1.8 gals./A broadcast during the 12 months before bearing harvestable fruit, or possible illegal residues may result.

**Cranberries**

Use Axle 2E as a soil application for control of *Phytophthora* root rot of cranberries caused by *Phytophthora* spp.

Apply Axle 2E at 2 - 3½ pts./A as a broadcast soil application for control of *Phytophthora* root rot of cranberries. Three applications per crop season are recommended. Make the first application in the fall after harvest. Make the

second application in the spring followed by a third application up to, but no later than, 45 days before harvest.

Apply Axle 2E using ground or chemigation equipment. Sufficient water should be used to allow movement of Axle 2E into the root zone. Use a minimum of 20 gals. of water per acre when applying by ground equipment. Refer to the **Application Through Irrigation Systems** section of the label for instructions and precautions when making applications through irrigation systems.

**Notes:** (1) Do not apply Axle 2E to cranberries by air. (2) To avoid possible illegal residues, do not apply within 45 days before harvest, and do not apply more than 10 ½ pts./A per growing season.

### **Raspberries**

Axle 2E is a soil-applied systemic fungicide for use in the control of *Phytophthora* root rot.

Apply ½ pt./1,000 linear ft. of row to the soil surface in a 3-ft. band over the row. Make 1 application in the spring and another in the fall after harvest. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre.

**Note:** Do not apply Axle 2E within 45 days before harvest, or illegal residues may result.

### **Strawberries**

Axle 2E provides control of red stele (*Phytophthora fragariae*), vascular collapse (*P. cactorum*), and leather rot (*P. cactorum*) when used as directed. Applications may be made using ground application equipment or through drip irrigation systems.

**New Plantings:** Apply Axle 2E at 2 pts. per treated acre in sufficient water to move the fungicide into the root zone of the plants. Make 1 application after transplanting followed by an additional application 30 days before the beginning of harvest or at fruit set. A third application may be made during the harvest season, depending on environmental conditions and disease pressure. For banded applications, use the formula in the **General Information** section of this label to determine the amount of Axle 2E needed per acre. When applying Axle 2E through drip irrigation systems, use the same amount as would be applied in a banded application to cover the root zone of the plants. Observe the precautions concerning application of Axle 2E through irrigation systems in the **General Information** section of this label.

**Established Plantings:** Apply Axle 2E at 2 pts. per treated acre in sufficient water to move the fungicide into the root zone of the plants. Make 1 application in the spring after the ground thaws and before first bloom. A second application

may be applied after harvest in the fall. For supplemental control of leather rot, an application may be made during the growing season at fruit set. For banded applications, use the formula in the **General Information** section of this label to determine the amount of Axle 2E needed per acre. When applying Axle 2E through drip irrigation systems, use the same amount as would be applied in a banded application to cover the root zone of the plants. Observe the precautions concerning application of Axle 2E through drip irrigation systems in the **General Information** section of this label.

**Notes:** (1) To avoid illegal residues, do not use more than a total of 3 qts. of Axle 2E per treated acre per year. (2) For control in areas with low annual rainfall, a surface application of Axle 2E needs to be moved into the root zone by rainfall, overhead irrigation, or mechanical incorporation.

## **CITRUS**

Includes grapefruits, lemons, limes, oranges, tangelos, tangerines, citrus citron, kumquats, satsuma mandarin, and hybrids of these.

Use Axle 2E on citrus for control of citrus foot rot, root rot, trunk cankers, and brown rot caused by *Phytophthora* spp. Axle 2E can be applied as a topical canker application and as a soil application, as a spray or through sprinkler or drip irrigation systems. If trees are on a drip irrigation system, distribute the amount of Axle 2E needed per tree (see tables) to the soil directly under the drip emitters at each tree. If there is more than one emitter per tree, distribute the total amount of Axle 2E needed among the emitters.

**Note:** Where nematodes are a problem, best results can be achieved if effective EPA-registered nematicides are used. Nematicides can be used in combination or in sequence with Axle 2E applications.

*Precaution: For best Phytophthora control, a combination of cultural practices and resistant varieties is recommended. The use of Axle 2E is not recommended in FL for use on the highly susceptible sweet orange rootstock.*

### **Citrus in Nurseries (AZ, CA, FL, and PR Only)**

Make the first application of Axle 2E at the time of planting. Make repeat applications at 3-month intervals during the period when trees are actively growing. For banded applications, use a band wide enough to cover the root systems of the plants. Do not apply Axle 2E solutions to bare roots.

**Soil Drench:** Apply 2-3 fl. oz./100 gals. of water as a drench over the row at a rate of 100-250 gals./1,000 ft. of row. The width of the drench treatment should be wide enough to cover the root systems of the plants. Follow with a 1/2-1 inch irrigation over the treated area.

**Soil Surface Spray:** Apply 2-4 qts. per treated acre in a broadcast or banded surface spray to seedbeds, liners, or bedded stock in sufficient water to obtain thorough coverage. If applications are banded, the treated area should be wide enough to cover the root systems of the plants. For banded application, use the formula in the **General Information** section of this label to determine the amount of Axle 2E needed per acre. Follow the applications with a 1/2-1 inch irrigation over the treated area.

**Note:** Do not use Axle 2E for disease control in greenhouse nurseries.

**Citrus Resets or New Plantings (AZ, CA, FL, and PR Only)**

Make the first application of Axle 2E to citrus resets or new plantings at the time of transplanting. Make up to 2 additional applications per year at 3-month intervals or when root growth flushes occur.

**Water Ring Drench:** Mix 2-3 fl. oz./100 gals. of water. Apply 5 gals. of the mix around the base of each tree within the watering ring.

**Soil Surface Spray (AZ and CA Only):** Apply 2-4 qts. per treated acre (1 1/2-3 fl. oz./1,000 sq. ft.) in sufficient water to obtain uniform coverage of the soil surface. Apply spray to the soil surface beneath the tree canopy or apply through irrigation water. If natural rainfall is not expected within 3 days of a soil surface application, irrigate with 1/2-1 inch water over the treated area. See instructions below for application through irrigation water.

**Soil Surface Spray (FL and PR Only):** Apply 2 qts. per treated acre (1 1/2 fl. oz./1,000 sq. ft.) under the canopy of the tree. Applications may be made through low volume irrigation systems at the rate of 1 pt. per grove acre for trees less than 5 years old. Two to three applications per year are recommended. Applications may be made on a spring + summer, summer + fall, or spring + summer + fall schedule.

**Established Plantings**

**Soil Application (FL and PR Only):** Apply 2 pts. per treated acre to groves that have a Phytophthora propagule count of 10-20 per cubic centimeter (cc) of soil as a feeder root rot disease maintenance treatment. Applications may be made through low volume irrigation for trees 5 years or older at the rate of 1 pt. per grove acre. Two to three applications per year are recommended. Applications may be made on a spring + summer, summer + fall, or spring + summer + fall schedule. **For groves with extremely high propagule counts (above 20 per cc of soil), apply 2 qts. per treated acre for one year (2-3 applications) to reduce the population.**

**Soil Surface Spray (AZ and CA Only):** For best results, begin Axle 2E applications during the spring root-flush period. One or two additional applications per year can be made at 3-month intervals or to coincide with

flushes of root growth. Use the following table to determine the proper rate based on tree size and the number of applications per year. For applications based on broadcast rates, use Axle 2E at 2-4 qts./A (1½-3 fl. oz./1,000 sq. ft.) when 3 applications are planned and at 6 qts./A (4½ fl. oz./1,000 sq. ft.) when 2 applications are planned. Apply in sufficient water to provide uniform coverage or apply through irrigation water. See the following instructions for application through irrigation water.

Diameter of Tree Canopy (Ft.)	Fl. Oz. of Axle 2E Per Ten Trees	
	2 applications per yr.	3 applications per yr.
5	0.76	0.50
10	3.76	2.50
15	7.50	5.00
20	15.00	10.00

**Trunk Spray for Control of Gummosis Caused by *Phytophthora* spp.:** In AZ, CA, and TX, add 2 qts. of Axle 2E to 3 gals. of water and spray the surface of the trunks using enough spray to thoroughly wet the cankers. In FL, add 2 qts. of Axle 2E to 10 gals. of water and spray the surface of the trunks using enough spray to thoroughly wet the cankers. Axle 2E may be applied up to 3 times per year.

**Notes:** (1) To avoid possible illegal residues, do not make trunk and soil applications to the same tree in the same cropping season. (2) Do not apply more than 3 gals. of Axle 2E per treated acre per year.

**Application Through Irrigation Water (Sprinkler or Drip Irrigation Only):** See comments and precautions in the **General Information** section of this label. Inject Axle 2E into the irrigation water at rates specified in the tables above.

**COLE CROPS**

Axle 2E applied as a soil application at planting will control damping-off caused by *Pythium* spp. and basal stem rot caused by *Phytophthora* spp. Applications may be made preplant incorporated or as a soil surface spray after planting.

**Preplant Incorporated Application:** Apply 2-4 pts. per treated acre as a broadcast soil application in sufficient water or liquid fertilizer to provide uniform coverage and incorporate in the top 2 inches of soil. For control of *Pythium* damping-off only use ½-1 pt./A. For banded applications, a 7-inch band is recommended. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre.

**Surface Application:** Apply 2-4 pts. per treated acre at planting in sufficient water or liquid fertilizer to provide uniform coverage. For banded applications, a 7-inch band is recommended. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre. If natural rainfall is not expected before the seeds start germinating, Axle 2E should be incorporated mechanically before planting or be moved into the seed zone after planting with ½-1 inch sprinkler irrigation.

**Notes:** (1) Do not use Axle 2E for disease control in greenhouse or field-grown vegetable bedding plants. (2) Do not dip plants in solutions containing Axle 2E, or crop injury may occur. (3) Do not use Axle 2E as a transplant water treatment. (4) Axle 2E may be tank mixed with Terraclor 75WP to control club root (*Plasmodiophora brassicae*) or wirestem/black root (*Corticium solani*). Before applying, observe all precautions, limitations, rates, and directions for use, including the need for incorporation on the Terraclor 75WP label.

## COTTON

### Seed Rots and Seedling Diseases of Cotton Caused by *Pythium* spp.

Apply 2-4 fl. oz./13,000 linear ft. of row (0.15-0.3 fl. oz./1,000 linear ft.) as an in-furrow spray in 5-15 gals. of water or liquid fertilizer at planting. Mount the spray nozzle so the spray is directed into the furrow over the seed just before the seeds are covered.

For control of both *Pythium* and *Rhizoctonia*, add Quadris at a rate of 5.2-7.8 fl. oz./13,000 linear ft. of row (0.4-0.6 fl. oz./1000 linear ft.) as a tank mix with Axle 2E.

**Note:** When Axle 2E is applied with Quadris, observe all precautions and restrictions that appear on the Quadris labels.

## CLOVER

Axle 2E applied to the soil at planting will provide control of damping-off caused by *Pythium* spp. and root rots caused by *Phytophthora* spp.

### Stand Establishment

Apply ½-1 pt./A as a broadcast surface spray at planting in a minimum of 20 gals. of water.

If seed was previously treated with Axle active ingredient as a seed dressing, an application of Axle 2E at ½ pt./A is recommended at planting. Use the higher rate (1 pt./A) in areas where disease pressure is expected to be heavy.

**Note:** To avoid possible illegal residues, do not feed green forage or cut hay for 90 days following application.

## CUCURBIT VEGETABLES

Includes balsam pear (bitter melon), Chinese waxgourd (Chinese preserving melon), citron melon, cucumber, gherkin, edible gourds, cantaloupe, casaba, crenshaw, honeydew melon, honey balls, mango melon, muskmelon, Persian melon, pumpkin, summer squash, winter squash, watermelon, and cucurbit hybrids only.

Axle 2E applied at planting will provide control of damping-off and cottony leak caused by *Pythium* spp. Applications may be made as a soil surface spray at planting or as a preplant incorporation.

**Preplant Incorporated Application:** Apply 2-4 pts. per treated acre as a broadcast soil application in sufficient water or liquid fertilizer to provide uniform coverage and incorporate in the top 2 inches of soil. For banded applications, a 7-inch band is recommended. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre.

**Surface Application:** Apply 2-4 pts. per treated acre at planting in sufficient water or liquid fertilizer to provide uniform coverage. For banded applications, a 7-inch band is recommended. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre. If natural rainfall is not expected before the seeds start germinating, Axle 2E should be incorporated mechanically before planting or be moved into the seed zone after planting with ½-1 inch sprinkler irrigation.

**Notes:** (1) Do not use Axle 2E for disease control in greenhouse or field-grown vegetable bedding plants. (2) Do not dip plants in solutions containing Axle 2E, or crop injury may occur. (3) Do not use Axle 2E as a transplant water treatment.

## DECIDUOUS FRUITS AND NUTS IN ORCHARDS (NONBEARING)\*

\*For bearing DF&N, see **Directions for Use** under the **Apples and Stone Fruits, Walnuts, and Almonds** sections of this label.

### Phytophthora Diseases

Use of Axle 2E will aid in the control of crown, collar, and root rot of deciduous fruit and nut trees caused by *Phytophthora* spp. when used in conjunction with good cultural practices and rootstocks that are most tolerant to the disease. Applications should be made before symptoms appear, especially in areas favorable for disease development. Axle 2E will not revitalize trees showing moderate to severe disease symptoms.

On new plantings, make the first application at the time of planting (See **Notes** below). Additional applications should be made at 3-month intervals during the

time when conditions are favorable for disease development. For established plantings, make the first application in the spring before growth starts.

Apply 4 qts. per treated acre (3 fl. oz./1,000 sq. ft.) in sufficient water to obtain uniform coverage of the soil under the canopy of the trees. For banded applications, use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre. Soil surface sprays of Axle 2E will not be effective until the fungicide is moved into the root zone by rainfall or irrigation.

**Notes:** (1) Unless labeled for bearing tree crops, do not apply to plantings that will bear harvestable fruit within 12 months of the last application, or possible illegal residues may result. (2) To avoid injury, do not use Axle 2E to dip or spray tree roots. Do not concentrate it around the tree trunks. (3) Do not apply to trees under stress. (4) For intense plantings (2-3 times the normal planting rate) make applications on a per area basis, i.e., per acre or 1,000 sq. ft. Do not calculate the amount of Axle 2E on a per tree basis. (5) In CA, do not apply Axle 2E to newly planted trees within 90 days of planting. (6) Do not apply more than 3 gals. of Axle 2E per treated acre per year.

### **GINSENG**

Axle 2E applied to the soil before early spring growth will control the early stages of Phytophthora root rot in ginseng caused by *Phytophthora cactorum*.

Apply Axle 2E at 1½ pts./A as a drench in 100-400 gals. of water uniformly to the soil surface in the spring before the plants begin growing.

**Note:** Do not make more than one application of Axle 2E per crop.

### **GRASSES\***

\*Any grass, Graminae family (either green or cured) except the following. Do not apply to sugarcane; to any of the following that will be fed to or grazed by livestock: barley, buckwheat, corn, millet (pearl or proso), oats, popcorn, rice, rye, sorghum, teosinte, triticale, wheat, or wild rice; or to any enclosed pasture grasses and grasses grown for hay or silage, such as bermudagrass, bluegrass, bromegrass, or fescue.

Axle 2E applied to the soil at planting will provide control of seeding diseases caused by *Pythium* spp.

### **For Stand Establishment**

Apply up to 2 pts./A as a broadcast surface spray at planting in a minimum of 20 gals. of water. Use ½-1 pt./A if grass seed was previously treated with a Axle active ingredient seed treatment. Use the higher rate of 1-2 pts./A in areas where there has been a history of *Pythium* disease.

**Note:** To avoid possible illegal residues (1) Do not graze, feed green forage, or cut for hay for 60 days following application. (2) Do not apply to range grasses.

## HOPS

Axle 2E applied as a soil drench followed by foliar applications with Kocide® 101 or a comparable copper fungicide registered for use on hops for control of downy mildew caused by *Pseudoperonospora humuli*.

**Soil Drench:** Apply 1 pt. of Axle 2E per acre of hops in a minimum of 20 gals. of water or liquid fertilizer to the soil surface over the crowns after pruning, but before training. Early application before shoots are 6 inches long is preferable.

**Foliar Spray:** When primary infection (spikes) persist after a soil drench treatment and/or there is the first evidence of secondary (foliar) infection, foliar sprays of Axle 2E in combination with contact copper fungicides may be used. Apply 1 pt. of Axle 2E per acre in a tank mix combination with 2 lbs. of Kocide 101 per acre (or an equivalent rate of a comparable copper fungicide registered for use on hops). Apply with ground equipment in a minimum of 50 gals. of water per acre.

**Notes:** To avoid possible illegal residues, (1) Do not make more than 3 applications of Axle 2E per season (1 soil drench + 2 foliar sprays), and (2) Do not make the last application within 45 days before harvest; (3) Do not apply foliar sprays of Axle 2E without a copper fungicide registered for use on hops. (4) Observe and follow all precautions and restrictions that appear on the Kocide 101 label or any contact copper fungicide label.

## LEAFY VEGETABLES\*

\*Includes celery, garden cress, upland cress, endive, fennel, lettuce (head and leaf), parsley, rhubarb, spinach, and Swiss chard.

Axle 2E applied as a soil application will control damping-off caused by *Pythium* spp. in leafy vegetables and white rust (*Albugo occidentalis*) and downy mildew in spinach. Applications may be made banded over the row, preplant incorporated, or injected with liquid fertilizer.

**Preplant Incorporated Application:** Apply 2-4 pts. per treated acre as a soil application in sufficient water or liquid fertilizer to provide uniform coverage and incorporate in the top 2 inches of soil. For banded applications, a minimum of a 7-inch band is recommended. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre.

**Surface Application:** Apply 2-4 pts. per treated acre at planting in sufficient water or liquid fertilizer to provide uniform coverage. For banded applications, a minimum of a 7-inch band is recommended. Use the formula in the **General**

**Information** section of this label to calculate the amount of Axle 2E needed per acre. If natural rainfall is not expected before the seeds start germinating, Axle 2E should be incorporated mechanically before planting or be moved into the seed zone after planting with ½-1 inch sprinkler irrigation.

**White Rust and Downy Mildew Control (Spinach Only):** In addition to the preplant incorporated or surface application described above, apply ½ pt. of Axle 2E per acre shanked in 21 days after planting or after the first cutting. One other application may be shanked in after the next cutting. A total of 2 supplemental applications may be used on a 21-day interval. Use sufficient mechanical or bypass agitation to keep the Axle 2E mixed with the water or fertilizer.

**Notes:** (1) The additional applications of Axle 2E noted above and made after each cutting by shanking the fungicide into the beds along with liquid fertilizer provide continuing control of white rust. However, white rust can only be controlled in a preventative disease control program that begins with an application of Axle 2E to the soil at planting. **If Axle 2E is not used at planting, do not use Axle 2E at any other time throughout the season.** Do not apply Axle 2E in foliar applications or make curative applications in situations where white rust infections are already established. The use of Axle 2E in curative applications greatly increases the risk of the fungus population developing insensitivity to this active ingredient. The development of insensitivity will destroy the effectiveness of Axle 2E in controlling white rust. (2) Do not harvest spinach within 21 days of a Axle 2E application. (3) Do not use Axle 2E for disease control in greenhouse or field-grown vegetable bedding plants. (4) Do not use Axle 2E as a transplant water treatment. (5) Do not apply more than 5.5 pts. of Axle 2E per acre per growing season in spinach. (6) Do not exceed a total of 1.4 lbs. mefenoxam active ingredient per acre per growing season.

#### **LEGUME VEGETABLES (SUCCULENT OR DRIED)**

Includes field beans, French beans, kidney beans, lima beans, mung beans, navy beans, pinto beans, runner beans, snap beans, wax beans, broad beans (fava beans), chickpeas (garbanzo beans), lentils, lupines (sweet, white sweet, white, and grain), garden peas, field peas, sugar peas, southern peas (blackeyed peas, crowder peas, cowpeas, catjang), and edible soybeans.

**Pythium Damping-Off and Root Rot:** Axle 2E applied at planting will control damping-off and root rot caused by *Pythium* spp. Applications may be made preplant incorporated, or as a soil surface spray after planting.

**Preplant Incorporated Application:** Apply 1-2 pts. per treated acre as a broadcast soil application in sufficient water or liquid fertilizer to provide uniform coverage and incorporate in the top 2 inches of soil. For banded applications, a 7-inch band is recommended. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre.

**Surface Application:** Apply 1-2 pts. per treated acre at planting in sufficient water or liquid fertilizer to provide uniform coverage. For banded applications, a 7-inch band is recommended. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre. If natural rainfall is not expected before the seeds start germinating, Axle 2E should be incorporated mechanically before planting or be moved into the seed zone after planting with ½-1 inch sprinkler irrigation.

**Notes:** (1) Do not use Axle 2E for disease control in greenhouse or field-grown vegetable bedding plants. (2) Axle 2E may be tank mixed with Terraclor 2E or 75WP to control Rhizoctonia root and stem rot or white mold (*Sclerotinia sclerotiorum*) in snap and dry beans. Observe all precautions, limitations, rates, and directions for use on the respective Terraclor label before applying.

### **ONIONS - DRY BULB\*, GREEN\*\*, AND ONIONS GROWN FOR SEED**

\*Includes garlic, onions (dry bulb), and shallots (dry bulb).

\*\*Includes green onions, leeks, spring onions or scallions, Japanese bunching onions, green shallots, or green shallots.

Axle 2E applied at planting will control damping-off caused by *Pythium* spp. Applications may be made preplant incorporated or as a soil surface spray after planting.

**Preplant Incorporated Application:** Apply 1-2 pts. per treated acre as a broadcast soil application in sufficient water or liquid fertilizer to provide uniform coverage and incorporate in the top 2 inches of soil. For banded applications, a 7-inch band is recommended. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre.

**Surface Application:** Apply 1-2 pts. per treated acre at planting in sufficient water or liquid fertilizer to provide uniform coverage. For banded applications, a 7-inch band is recommended. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre. If natural rainfall is not expected before the seeds start germinating, Axle 2E should be incorporated mechanically before planting or be moved into the seed zone after planting with 1/2-1 inch sprinkler irrigation.

**Note:** Do not use Axle 2E for disease control in greenhouse or field-grown vegetable bedding plants.

### **PAPAYA (HAWAII ONLY)**

Axle 2E aids in the control of Phytophthora root rot of papaya in new plantings in the field.

**Papaya in the Field – New Plantings:** Make the first application of Axle 2E at the time of transplanting to the field or within one week of transplanting. Apply 1¾-3½ qt./A of soil treated (1¼-2½ fl. oz./1,000 sq. ft.) as a soil surface spray in sufficient water to obtain thorough coverage of the soil under the canopy of the trees. After application, immediately irrigate with 1/8-1/4 inch of water. Repeat 2-4 weeks if conditions are favorable for disease. Use the table below as a guide for treating individual trees.

**Notes:** To avoid possible illegal residues, (1) Do not apply more than 2 applications per year in the field to newly transplanted stock, and (2) Do not apply within 3 months of harvest.

Diameter of Tree Canopy (Ft.)	Fl. Oz. of Axle 2E Per Ten Trees
3	0.10-0.20
4	0.20-0.38
6	0.38-0.76
8	0.76-1.26

**PEANUTS**

Axle 2E is a soil-applied systemic fungicide for use in control of seedling and pod diseases of peanuts caused by *Pythium* spa.

**Seedling Diseases:** Apply ½ pt./A as an in-furrow application or in a 7-inch band at the time of planting. For in-furrow applications, position the spray so the fungicide is mixed with the soil covering the seed. Avoid spraying the seed directly with the spray solution, or crop injury may occur.

**Pod Rot:** Apply 1-2 pt./A at early pod set or pegging through overhead irrigation systems. See the **General Information** section of this label for further instructions and precautions when making applications through irrigation systems.

**Notes:** Where pathogens other than *Pythium* spp. are present, use fungicides that control those diseases in combination with Axle 2E.

**PEPPERS AND EGGPLANT**

Soil applications of Axle 2E will control damping-off caused by *Pythium* spp. and crown rot caused by *Phytophthora capsici*. Axle 2E must be applied to the soil before the plants are infected with *Phytophthora* to obtain satisfactory disease control.

Apply 2 pts. per treated acre preplant or at planting in sufficient water (20-50 gals.) or liquid fertilizer to provide uniform coverage. For direct-seeded peppers,

apply preplant or prior to emergence. If rainfall is not expected before the plants begin growth, Axle 2E should be incorporated mechanically before planting or be moved into the root zone after planting with ½-1 inch of sprinkler irrigation water. For banded applications, a 12 to 16-inch band is recommended. After the initial application, 2 supplemental post-directed applications at 2 pts. per treated acre should be made at 30-day intervals. The spray should be directed at the base of the plants and cover 6-8 inches of soil on either side of the plants. Such applications must be incorporated mechanically or by sprinkler irrigation to move the Axle 2E into the root zone. Axle 2E may be applied with liquid fertilizer shanked in as a band treatment to either side of the plant. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre.

*Precautions: (1) Axle 2E may cause some yellowing of the pepper leaves. (2) Plants already infected with Phytophthora cannot be cured with Axle 2E applications. (3) The foliar blight phase of Phytophthora cannot be controlled with foliar applications of Axle 2E. (4) Do not use Axle 2E for disease control in greenhouse or field-grown vegetable bedding plants. (5) In areas where there is a history of late Phytophthora infections, an application of another EPA-registered fungicide labeled for Phytophthora control is recommended 17-21 days following the last Axle 2E application.*

**Notes:** To avoid possible illegal residues, (1) Do not apply within 7 days of harvest, and (2) Do not apply more than 6 pts. of Axle 2E per acre of crop per season.

**PINEAPPLE**

Axle 2E, applied as a "seed piece" dip, provides effective control of heart rot disease of pineapple caused by *Phytophthora* spp.

Apply Axle 2E as a crown dip before planting at the rate of 1-2 pts./100 gals. of water. Use 75-100 gals. of dip solution per planted acre, depending on crown size, plant density, and dipping techniques.

**Note:** If there is a crop failure within one year of planting treated crowns, do not harvest plant material for animal feed.

**ROOT AND TUBER VEGETABLES\***

Includes artichoke (Jerusalem), beet (sugar\*\* and table), carrot, cassava, chicory, dasheen (taro); ginger, ginseng\*\*\*, horseradish, parsnip, potato, radish, rutabaga, salsify, sweet potato, tanager, turnip, and yams.

\*See Notes at end of section.

\*\*See separate section for **Sugar Beets**.

\*\*\*See separate section for **Ginseng**.

Axle 2E applied to the soil at planting will provide control of diseases caused by *Pythium* and *Phytophthora* spp. Applications may be made preplant incorporated or as a soil surface spray after planting.

**Preplant Incorporated Application:** Apply 2-4 pts. per treated acre as a broadcast soil application in sufficient water or liquid fertilizer to provide uniform coverage and incorporate in the top 2 inches of soil. For banded applications, a 7-inch band is recommended. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per dose.

**Surface Application:** Apply 2-4 pts. per treated acre at planting in sufficient water or liquid fertilizer to provide uniform coverage. For banded applications, a 7-inch band is recommended. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre. If natural rainfall is not expected before the seeds start germinating, Axle 2E should be incorporated mechanically before planting or be moved into the seed zone after planting with ½-1 inch sprinkler irrigation.

## POTATOES

Axle 2E will provide effective control of Pythium leak caused by *Pythium* spp., pink rot caused by *Phytophthora erythroseptica*, and Pythium seedling disease caused by *Pythium* spp.

Apply 0.84 oz. product per 1,000 linear feet of row on a 6-8" band at planting in a minimum of three gallons of water per acre. Make application directly over the seed piece(s) prior to row closure or use markout application method (incorporated). A foliar application of an Axle tank mix with mancozeb at tuber initiation may be warranted:

1. When conditions are conducive for disease development.
2. When variety planted is susceptible or moderately susceptible (pink rot/Pythium leak).
3. In areas with a long growing season.

Axle 2E may be impregnated on dry fertilizer provided the 0.84 oz./1,000 linear feet of row is observed and placement is in a 6-8" band incorporated with the planted hill. Axle 2E may be applied with Platinum™, Quadris®, and Admire®. Axle 2E may be applied in combination with liquid fertilizers.

**Precautions:** (1) **DO NOT** use the "dribble" application method with Admire, (2) **APPLY** mixture through approved pumping systems only, (3) **DO NOT** combine Axle 2E with any chemistry other than those compounds listed above or modify application directions.

**Notes:** (1) Do not use Axle 2E for disease control in greenhouse or field-grown vegetable bedding plants. (2) To avoid development of insensitivity within the pathogen population, do not apply Axle 2E to potatoes after flowering.

## SOYBEANS

Axle 2E is a soil-applied systemic fungicide for use in the control of Phytophthora root and stem rot and Pythium damping-off. Axle 2E may be applied broadcast, banded, or in the seed furrow before the seeds are covered. The seed furrow applications will provide more consistent results if rain is not expected before the seeds germinate.

For best results against Phytophthora root and stem rot, use Axle 2E with soybean varieties that have some tolerance to the races of Phytophthora present in the field. The higher rate of Axle 2E should be used in areas with a history of heavy Phytophthora damage. Under heavy late season Phytophthora pressure, Axle 2E may not provide complete control.

**Surface Applications:** For full season control, apply 2½ pts. per treated acre in sufficient water or liquid fertilizer to provide uniform coverage at the time of planting. For banded applications, a 7-inch band is recommended. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre. For early- to mid-season control, apply ¾ - 1½ pts. per treated acre.

**In-Furrow Applications:** For full season control, apply 0.56 fl. oz./1,000 linear ft. of row as an in-furrow spray in 5-10 gals. of water or liquid fertilizer at planting. Position the spray so the fungicide is mixed with the soil covering the seed. Avoid spraying the seed directly with the spray solution, or crop injury may occur. Use sufficient water or liquid fertilizer to provide uniform coverage. Use the following table to determine the amount of Axle 2E needed per acre based on row spacing. For early- to mid-season control, apply 0.15-0.3 fl. oz./1,000 linear ft. of row.

Suggested Rates Per Acre According to Row Spacing				
Row Spacing	Linear Ft. of Soybean Row Per Acre	Fluid Ounces of Axle 2E Needed Per Acre Rate Desired		
		0.15 fl. oz.	0.30 fl. oz.	0.56 fl. oz.
38 in.	13,756	2.00	4.00	7.50
36 in.	14,520	2.26	4.50	8.00
30 in.	17,424	2.75	5.50	9.50
24 in.	21,780	3.25	6.50	12.0
20 in.	26,136	4.00	8.00	14.0

**Note:** Axle 2E is specific for Pythium and Phytophthora and will not control other diseases that may attack soybeans.

**STONE FRUITS\*, WALNUTS, AND ALMONDS**

\*Including apricots, cherries (sweet, tart), nectarines, peaches, plums (Chickasaw, Damson, Japanese), prunes.

Use of Axle 2E will aid in the control of crown, collar, and root rot caused by *Phytophthora* spp. when used in conjunction with good cultural practices and rootstocks that are most tolerant to the disease. Axle 2E applications should be made before symptoms appear, especially in areas favorable for disease development. Axle 2E will not revitalize trees showing moderate to severe disease symptoms.

On new plantings, make the first application of Axle 2E two weeks after planting. Additional applications should be made at 2 to 3-month intervals or during periods most favorable for root, crown, or collar rot development.

For established plantings, the application should be made in the spring before the plants start growth. Additional applications should be made at 2 to 3-month intervals or to coincide with periods most favorable for root, crown, or collar rot development.

Apply 4 qts. per treated acre (3 fl. oz./1,000 sq. ft.) in sufficient carrier to obtain thorough coverage of the soil under the canopy of the trees. Sufficient surface area should be treated in nurseries to cover the root zone of the plants. Up to 3 applications can be made per year. For banded applications, use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre. Soil surface sprays of Axle 2E will not be effective until the fungicide is moved into the root zone by rainfall or irrigation.

**Precautions:** (1) Do not dip the roots of trees in Axle 2E solutions, spray the roots, or concentrate it around the tree trunks, or injury may occur. (2) Do not apply it to trees under stress. (3) For intense plantings (2-3 times the normal planting rate) make applications on a per area basis, i.e., per acre or 1,000 sq. ft. Do not calculate the amount of Axle 2E on a per tree basis. (4) In CA, do not apply Axle 2E to newly planted trees within 90 days of planting.

**Notes:** To avoid possible illegal residues, (1) Do not graze livestock in treated areas, and (2) Do not graze or feed cover crops grown in treated orchards.

## SUGAR BEETS

Axle 2E will provide control of diseases caused by *Pythium* spp. Applications may be made preplant incorporated or as a surface spray at planting.

**Preplant Incorporated Application:** Apply 2-4 pts. per treated acre as a broadcast soil application in sufficient water or liquid fertilizer and incorporate in the top 2 inches of soil. For banded applications, a 7-inch band is recommended. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre.

**Surface Application:** Apply 2-4 pts. per treated acre at planting in sufficient water or liquid fertilizer to provide uniform coverage. For banded applications, a 7-inch band is recommended. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre. If natural rainfall is not expected before the seeds begin germinating, Axle 2E should be incorporated mechanically before planting or be moved into the seed zone after planting with ½-1 inch sprinkler irrigation.

## TOBACCO

Axle 2E is a soil-applied systemic fungicide for use in the field before transplanting for control of black shank (*Phytophthora parasitica*, var. *Nicotianae*) and blue mold (*Peronospora tabacina*), on all types of tobacco. For control of anthracnose and other tobacco diseases, use fungicides that control those diseases.

**Notes:** (1) Do not use Axle 2E for disease control in greenhouse crops or tobacco plant beds. (2) Do not dip plants in solutions containing Axle 2E, or crop injury may occur. (3) Do not use Axle 2E for disease control in floathouse, floatbed production facilities, hydroponic production, or greenhouse facility. (4) Do not use Axle 2E as a transplant water treatment. (5) Do not use Axle 2E as a foliar spray to field planted tobacco.

### Field Planted Tobacco

**Blue Mold:** Apply Axle 2E as a broadcast soil application prior to transplanting and incorporate in the top 2-4 inches of soil. For flue-cured tobacco, use 1-2 pts.

per treated acre, depending on disease pressure and length of control desired. Under low disease pressure or for early season control in flue-cured tobacco, use 1 pt. per treated acre. For burley and other tobacco types, use 2 pts. per treated acre.

For **prolonged control** of blue mold in field planted tobacco, make a supplemental application of 1 pt./A of crop as a soil application at lay-by or the last cultivation. Position the nozzles so that the spray is deposited under the plants and is covered by soil by the cultivator. Do not make this application if more than 2 pts./A of Axle 2E was applied prior to transplanting or if no Axle 2E was applied prior to transplanting.

**Black Shank:** Use Axle 2E as a broadcast soil application prior to transplanting and incorporate in the top 2-4 inches of soil. Apply Axle 2E using conventional ground application equipment in sufficient water or fertilizer to provide uniform coverage. Use the following table to determine the amount of Axle 2E needed per acre depending on the anticipated black shank severity.

Type of Tobacco	Disease Severity in Field	Rate of Axle 2E Per Acre Prior to Transplanting
Flue-Cured	Low to Moderate (Less than 6% Disease)	2 pts.
	High (More than 6% Disease)	2 qts.*
Burley and Other**	Low to Moderate (Less than 6% Disease)	2 qts.
	High (More than 6% Disease)	3 qts.

\*FL and GA — Use 3 qts. per treated acre of Axle 2E in fields with heavy black shank levels (greater than 6%).

\*\*PA — Do not use Axle 2E for black shank control.

For **prolonged control** of black shank in field planted tobacco, **one** of the following is recommended: (1) Make a preplant incorporated **and** a supplemental lay-by application (last cultivation). Apply the supplemental application at last cultivation at the rate of 1-2 pts./A as a soil treatment. Position the nozzles so that the spray is deposited under the plants and is covered with

soil by the cultivator. Do not make this application if more than 2 pts./A of Axle 2E was applied prior to transplanting; or (2) Make a preplant incorporated **plus 2** supplemental soil applications at first cultivation and last cultivation (lay-by).

Apply Axle 2E at 2 pts./A just prior to transplanting **followed** by a second application of 2 pts./A at the first cultivation **followed** by a third application of 2 pts./A at lay-by or the last cultivation.

*Precautions: (1) For best results against black shank, use Axle 2E with tobacco varieties that have high resistance to black shank and use crop rotation. In fields where there is a history of severe black shank, use the highest rate and plant a variety that is resistant to the race of Phytophthora present in the field. (Burley L8 hybrids are only resistant to Phytophthora Race 0.) (2) Axle 2E is not recommended for use in high black shank areas on highly susceptible flue-cured varieties. (3) Failure to adequately control nematodes in fields treated with Axle 2E may result in poor control of black shank.*

**No-till Tobacco:** For black shank and blue mold on all types of tobacco, apply Axle 2E to the field prior to transplanting and incorporate in the top 2-4 inches of soil. Apply 1-2 pts. per treated acre as a preplant, broadcast, or banded soil application. For banded applications, use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre. A supplemental lay-by soil application may be made 30-35 days after planting at 1 pt./A. Do not make the lay-by application if more than 2 pts./A of Axle 2E was applied prior to transplanting or if no Axle 2E was applied prior to transplanting.

## **TOMATOES**

Soil applications of Axle 2E at planting will provide control of damping-off caused by *Pythium* spp. Soil applications applied 4-12 weeks before harvest under the vines will control fruit and root rot caused by *Pythium* spp. and *Phytophthora* spp.

**Damping-Off (*Pythium* spp.):** Apply 2-4 pts. per treated acre in sufficient water or liquid fertilizer to provide uniform coverage of the seed zone when applied before or at the time of planting. If rainfall is not expected before the seeds start to germinate, Axle 2E should be incorporated mechanically before planting, during the planting operation, or be moved into the seed zone after planting with ½-1 inch sprinkler irrigation. For banded applications, a 7-inch band is recommended. Use the formula in the **General Information** section of this label to calculate the amount of Axle 2E needed per acre.

### **Root and Fruit Rot (*Phytophthora* spp. and *Pythium* spp.)**

To aid in the control of root and fruit rot of tomatoes, 1 or 2 additional applications may be made during the growing season, depending on the severity of the conditions for disease infection.

Apply 2 pts. per treated acre beginning 4-6 weeks after planting. A second application may be made as needed at up to 4 weeks before harvest, but before the last irrigation. Axle 2E may be applied as a directed soil surface spray under the vines or it may be injected into the beds with liquid fertilizer. If less than the full bed is treated, use the formula in the **General Information** section to determine the amount of Axle 2E needed per acre. If Axle 2E is injected into the beds with liquid fertilizer, base calculations on a 7-inch band.

If soil surface sprays are used, the Axle 2E must be incorporated into the soil with  $\frac{1}{2}$ -1 inch of rainfall or sprinkler irrigation.

Axle 2E may be applied with water or liquid fertilizer. Use the test in the **General Information** section to check for compatibility with various fertilizers.

**Notes:** (1) To avoid possible illegal residues, do not apply more than 6 pts. per treated acre per season. (2) Keep Axle 2E suspended in the fertilizer solution with bypass or mechanical agitation. Refer to the **General Information** section for drip irrigation instructions. (3) Do not use Axle 2E for disease control in greenhouse or field-grown vegetable bedding plants. (4) Do not use Axle 2E as a transplant water treatment.

#### **ROTATION (PLANTBACK) RESTRICTION**

Do not plant any crop which is not registered for use with the Axle 2E active ingredient in soil previously treated with this active ingredient for a period of 12 months, unless a shorter interval is specified on the following list.

#### **REPLANTING**

If replanting is necessary, additional applications of Axle 2E may be made, provided that the total amount of active ingredient in Axle 2E applied does not exceed the maximum allowed for the specific crop.

Rotation Crop	Planting Time From Last Axle 2E Application	
Alfalfa (including birdsfoot trefoil), Almonds, Apples, Asparagus, Avocados	0 days	
Blueberries,		
Citrus, Clover, Cole Crops, Cotton, Cranberries, Cucurbit Vegetables		
Deciduous Fruits and Nuts*		
Eggplant		
Garlic, Ginseng, Grapes Grasses**		
Hops		
Leafy Vegetables (Excluding Brassica), Legume Vegetables (beans and peas — succulent and dried)		
Onions (dry bulb, green, and seed)		
Papaya, Peanuts, Peppers, Pineapples, Potatoes		
Raspberries, Root and Tuber Vegetables		
Soybeans, Spinach, Stone Fruits, Strawberries, Sugar Beets		
Tobacco, Tomatoes		
Walnuts		
Cereal Grains (other than Corn)		14 days
Corn		9 months
Crops <b>Not Intended</b> for Food or Feed		0 days
All Other Crops <b>Intended</b> for Food or Feed	12 months	

\*These crops and other perennial crops may be planted immediately following last application of Axle 2E, provided they will not bear harvestable fruit within 12 months.

\*\*Any grass, Gramineae family (either green or cured) except the following. Do not apply to sugarcane; to any of the following that will be fed to or grazed by livestock: barley, buckwheat, corn, millet (pearl or proso), oats, popcorn, rice, rye, sorghum, teosinte, triticale, wheat, or wild rice; or to any enclosed pasture grasses or grasses grown for hay or silage such as bermudagrass, bluegrass, bromegrass, or fescue.

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Syngenta Crop Protection at 1-800-334-9481.

Product of Switzerland  
Formulated in the USA

Syngenta Crop Protection, Inc.  
Greensboro, North Carolina 27409  
[www.syngenta-us.com](http://www.syngenta-us.com)

SCP

(Back Cover)

Axle® 2E

FUNGICIDE

For the control of certain diseases in various crops caused by the Oomycete class of fungi

One Gallon  
U. S. Standard Measure

Active Ingredients\*

(R)-2-[(2,6-dimethylphenyl)-methoxyacetyl-amino]-propionic acid methyl ester .....	24.3%
Related Compounds .....	0.8%
<hr/>	
Other Ingredients:	74.9%
Total	100.0%

Contains petroleum distillate

\*Contains 2 lbs. active ingredient per gallon.

See directions for use in attached booklet.

**AGRICULTURAL USE REQUIREMENTS**

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

EPA Reg. No. 100-\_\_\_\_\_

EPA Est. \_\_\_\_\_

**KEEP OUT OF REACH OF CHILDREN.**

**WARNING/AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional precautionary statements and directions for use inside booklet.

**Precautionary Statements**

**Hazards to Humans and Domestic Animals**

Causes substantial but temporary eye injury. Do not get in eyes. Wear safety glasses, goggles or face shield. Wash thoroughly with soap and water after handling. Harmful if swallowed or absorbed through skin. Avoid contact with skin or clothing. Remove contaminated clothing and wash before reuse.

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not give <b>any</b> liquid to the person.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>NOTE TO PHYSICIAN</b>	
Contains petroleum distillate – vomiting may cause aspiration pneumonia. Treat symptomatically.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>HOT LINE NUMBER</b>	
For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident) Call <b>1-800-888-8372</b>	

**Environmental Hazards**

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Apply only as specified on this label. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical is known to leach through soil into 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.

**Physical or Chemical Hazards**

Do not use, pour, spill, or store near heat or open flame.

**Storage and Disposal**

**Container Disposal**

Do not reuse empty container. Triple rinse (or equivalent), and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke.

See label booklet for proper disposal of pesticide wastes.

**Chemigation**

Refer to supplemental labeling in attached booklet for use directions on chemigation. Do not apply this product through any type of irrigation system, unless the supplemental labeling on chemigation is followed.

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SCP (One Gallon \_\_\_\_\_)