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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460-0001



OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

J. Oliver Products, Inc.  
c/o Ms. Jane Miller  
Biologic Consulting, Inc.  
115 Obtuse Hill  
Brookfield, CT  
06804

AUG 11 2011

Subject: Amended Reregistration Label  
Product Name: Cyper AG II  
EPA Registration Number: 53883-137  
EPA Decision Numbers: 397173

Dear Ms. Miller:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the referenced product in connection with the **CYPERMETHRIN RED**, and has concluded that your submission is acceptable.

NOTE: This product is not being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label or durably marked on the container itself, and can be added by non-notification per PRN 98-10.

Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded.

- Basic CSF, dated April 27, 2010

A copy of your label stamped "Accepted" is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e).

If you have any questions about this letter, please contact Samantha Hulkower at 703-603-0683 or [hulkower.samantha@epa.gov](mailto:hulkower.samantha@epa.gov).

Sincerely Yours,

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Richard J. Gebken  
Product Manager (10)  
Insecticide Branch  
Registration Division (7504P)

*Enclosures:*

*Label stamped "Accepted"*  
*Acute Toxicity Review, dated November 10, 2009*  
*Product Chemistry Review, dated July '3, 2010*

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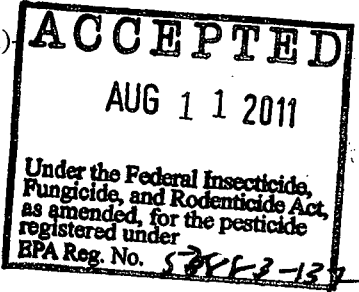
**Restricted Use Pesticide**  
Due to Acute Oral Toxicity and Eye Irritation and to  
Toxicity to fish, aquatic invertebrates, oysters and shrimp.

For retail sale to, and use only by Certified Applicators, or persons under their direct supervision, and only for those uses covered by the Certified Applicator's certification.

**Cyper AG II**  
 (Alt. name: Cyper Ag)

<b>Active Ingredient</b>	
*Cypermethrin** .....	30.6%
<b>Inert Ingredients***</b> .....	69.4%
<b>Total</b> .....	100.0%

\*(±) α-Cyano (3-phenoxyphenyl)methyl(±) *cis/trans* 3-(2,2-dichloroethenyl)-2,2 dimethylcyclopropanecarboxylate  
 \*\*Cis/trans ratio: Max. 55% (±) cis and min. 45% (±) trans  
 \*\*\*Contains xylene range aromatic solvents.  
 Contains 2.5 pounds cypermethrin per gallon.



**KEEP OUT OF REACH OF CHILDREN**  
**DANGER/PELIGRO**

See inside attached booklet for additional Precautionary Statements, First Aid and complete Directions for Use.

EPA Reg. No.: 53883-137

EPA Est. No. XXXXX-XX-XXX

Net Contents:

Manufactured By:  
 Control Solutions, Inc.  
 5903 Genoa-Red Bluff  
 Pasadena, TX 77507-1041

<b>FIRST AID</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact SafetyCall® International (866) 897-8050 for emergency medical treatment information.	
IF IN EYES	<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>
IF SWALLOWED	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person</li> </ul>
IF ON SKIN OR CLOTHING	<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>
IF INHALED	<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>
<p><b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage. Contains petroleum distillates. May pose an aspiration pneumonia hazard. Like the natural pyrethrins, the synthetic derivative is expected to have relatively minor toxicity in humans; in fact, any significant acute toxic effects are more likely from a carrier hydrocarbon solvent. Consequently, induction of vomiting may increase the likelihood of the most important toxic potential, chemical pneumonia, and so should either be avoided or done only under medical supervision. Ingestion of a large amount calls for gastric lavage, with care (Trendelenburg position, suction available, cuffed endotracheal tube if patient is unconscious) to avoid intrapulmonary aspiration. A saline cathartic (sodium or magnesium sulfate), 15-30 gm. Activated charcoal as a slurry in water. Digestible fats, oils or alcohol may increase absorption and so should be avoided. Skin contact (vapor or powder) may be followed by transient tingling or numbness, usually of the face, but this subsides without treatment.</p>	
<b>FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300</b>	

**PRECAUTIONARY STATEMENTS**  
**Hazards to Humans and Domestic Animals**

**DANGER**

Corrosive. Causes irreversible eye damage. May be fatal if swallowed. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Harmful if absorbed through the skin, inhaled or swallowed. Causes eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, may cause sensitization reaction in some individuals. Avoid contact with eyes or clothing.

Product should be opened and poured in a well-ventilated area.

**Personal Protective Equipment: (PPE)**

Some materials that are chemical-resistant to this product are made of Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton. If you want more options, follow the instructions for category E G on an EPA chemical resistance category selection chart.

Mixers, Loaders, Applicators, and other handlers must wear the following:

- Long-sleeve shirt and long pants
- Shoes and socks ~~and~~
- ~~In addition to the above, handlers using hand-held equipment must also wear~~ Chemical-resistant gloves and
- Goggles or face shield

See Engineering Controls for additional requirements.

**User Safety Requirements:**

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

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

**Engineering Controls:**

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(6)].

Human flagging is prohibited. Flagging to support aerial application is limited to use of Global Positioning System (GPS) or mechanical flaggers.

<p><b>User Safety Requirements</b></p> <p><b>Users should:</b></p> <ul style="list-style-type: none"> <li>• Wash hands with plenty of soap and water before eating, drinking, chewing gum, or using the toilet.</li> <li>• Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</li> <li>• Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.</li> </ul>
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**Environmental Hazards**

This pesticide is toxic to fish, aquatic invertebrates, oysters and shrimp. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters.

This pesticide is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops while bees are actively visiting the treatment area.

**Physical/ Chemical Hazards**

Combustible. Do not use or store near heat or open flame.

**DIRECTIONS FOR USE**

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

RESTRICTED USE PESTICIDE DUE to Toxicity to fish and aquatic invertebrates or retail sale to and use only by certified applicators or persons under the direct supervision and only for those uses covered by the certified applicator's certification.

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.

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## 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 used of this product that are covered by the Worker Protection Standard.

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

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

- Coveralls,
- shoes plus socks,
- chemical-resistant gloves made of any waterproof material.

### BUFFER ZONES

#### **Vegetative Buffer Strip**

Construct and maintain a minimum 10-foot-wide vegetative filter strip of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to, lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries; and commercial fish farm ponds).

Only apply products containing cypermethrin onto fields where a maintained vegetative buffer strip of at least 10 feet exists between the field and down gradient aquatic habitat.

For guidance, refer to the following publication for information o constructing and maintaining effective buffers: *Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services.* USDA, NRCS. 2000. Fort Worth, Texas. 21 pp. <http://www.in.csusda/v/technical/agronom/newconbuf.pdf>

#### **Buffer Zone for Ground Application (groundboom, overhead chemigation, or airblast)**

Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).

#### **Buffer Zone for ULV Aerial Application**

Do not apply within 450 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).

#### **Buffer Zone for Non-ULV Aerial Application**

Do not apply within 150 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds)."

**Resistance:** Cyper AG II contains a Group 3 insecticide (or acaricide). Insect/mite biotypes with acquired resistance to Group 3 may eventually dominate the insect/mite population if Group 3 insecticides/acaricides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by Cyper AG II or other Group 3 insecticides/acaricides . To delay insecticide (or acaricide) resistance consider:

- Avoiding the consecutive use of Cyper AG II or other Group 3 insecticides/acaricides that have a similar target site of action, on the same insect/mite species.
- Using tank-mixtures or premixes with insecticides/acaricides from a different target site of action Group as long as the involved products are all registered for the same use and have different sites of action.
- Basing insecticide/acaricide use on a comprehensive IPM program.
- Monitoring treated insect/mite populations for loss of field efficacy.

- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for insecticide/acaricide resistance management and/or IPM recommendations for the specific site and resistant pest problems.

~~Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. Consult your local or state agricultural authorities for details.~~

~~If resistance to this product develops in your area, this product, or other products with a similar mode of action, may not provide adequate control. If poor performance cannot be attributed to improper application or extreme weather conditions, a resistant strain of insect may be present. If you experience difficulty with control and resistance is a reasonable cause, immediately consult your local company representative or agricultural advisor for the best alternative method of control for our area.~~

### **Chemigation Use Directions**

Apply this product only through sprinkler, 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. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system.

Crop injury, lack of effectiveness, or illegal residues in the crop can result from nonuniform, distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. 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.

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, 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.

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 motor 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.

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

Cyper AG II should be applied continuously for the duration of the water application. Cyper AG II II should be diluted in sufficient volume to insure accurate application over the area to be treated. When using chemigation, a minimum of 0.5 inch per acre of irrigation water is recommended. Agitation is not required when a suitable diluent is used.

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## **USE INFORMATION GENERAL INSTRUCTIONS**

Use low rate under light to moderate infestation. Higher rates should be used under heavy insect pressure. The rate of application is variable according to insect pressure, timing of spray and field scouting.

### **Rotational Crops**

With the exception of the crops listed below, rotational crops may not be planted within 30 days after last application.

### **Tank-Mixture**

Cyper AG II may be applied in tank mixtures with other products approved for use on cotton, brassicas, bulb vegetables, head lettuce, and pecans. Observe all restrictions and precautions which appear on the labels of these products.

For improved control of aphids and mites on cotton, Cyper AG II II may be tank-mixed with Curacron® 8E. The tank-mixture is most effective when pest populations are first observed. Subsequent applications may be needed to maintain control.

### **Spray Drift Requirements**

~~All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers.~~

~~OBSERVE THE FOLLOWING PREAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS, MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.~~

### **Wind Direction and Speed**

Only apply this product if the wind direction favors on-target deposition.

Do not apply when wind velocity exceeds 15mph.

~~Risk of exposure to sensitive aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.~~

~~Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.~~

### **Temperature Inversion**

Do not make aerial or ground applications during temperature inversions.

Inversions are characterized by stable air and increasing temperatures with height above the ground. Mist or fog may indicate the presence of an inversion in humid areas. The applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

### **Droplet Size**

“Use only Medium or coarser spray nozzles (for ground and non-ULV aerial application) according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators should use a coarser droplet size”.



Use the largest droplet size consistent with good pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.

**Additional Requirements for Ground Applications**

Wind speed must be measured adjacent to the application site on the upward side, immediately prior to application.

For ground boom applications, apply using a nozzle height of no more than 4 feet above the ground or crop canopy.

For airblast applications, turn off outward pointing nozzles at row ends and when spraying the outer two rows. To minimize spray loss over the top in orchard applications, spray must be directed into the canopy.

**Additional Requirements for Aerial Applications**

The spray boom should be mounted on the aircraft as to minimize drift caused by wingtip or rotor vortices. The minimum practical boom length should be used and must not exceed 75% of the wing span or 90% rotor diameter.

Flight speed and nozzle orientation must be considered in determining droplet size.

Spray must be released at the lowest height consistent with pest control and flight safety. Do not release spray at a height greater than 10 feet above the canopy unless a greater height is required for aircraft safety.

When applications are made with a cross-wind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind.

**Maximum Usage When Applying Both Zeta-Cypermethrin and Cypermethrin Products to the Same Crop Within the Same Season.**

Crop	Maximum single application rate lbs a.i./A	Minimum re-treatment interval/days	Maximum annual application rate lbs a.i./A/year
Cotton	0.1	5	0.4
Head and Stem Brassica	0.1	7	0.6
Leafy Brassica Greens	0.1	7	0.4
Head lettuce	0.1	7	0.6
Bulb Vegetables	0.1	7	0.5
Pecans	0.1	7	0.5

**Cotton (14 day phi)**

PEST	DOSAGE		REMARKS
	LB/AI/A	FL.OZ./A	
Preemergent Use: Cutworms Foliar Use: Cutworms Tobacco Thrips Soybean (banded) Thrips	0.025 to 0.1	1.3 to 5	Use Cyper AG II II in the time period from 14 days prior to planting up to emergence of the crop. Apply as a broadcast spray by ground or air, banded (including T-brand) or infurrow spray using sufficient spray volume to achieve adequate coverage. Reduced volumes of water may be used with specialized equipment. Use a minimum of 1 gallon of water per acre by air. Use the higher rates of Cyper AG II when incorporating into the soil.
Foliar use: Boll Weevil Cabbage Looper Cotton Bollworm Cotton Fleahopper Cotton Leaf Perforator European Corn Borer Fall Armyworm Lygus Bugs Other Plant Bugs Pink Bollworm Saltmarsh Caterpillar Tarnished Plant Bug Tobacco Budworm White Flies* Yellow Striped Armyworm	0.04 to 0.1	2 to 5	Cyper AG II may be applied in water or refined vegetable oil. When water is used, apply a minimum of one gallon of finished spray per acre by air of five gallons of finished spray with ground equipment. When applying in water by air, one quart of emulsified oil may be substituted for one quart of water in the finished spray. When using oil, use a minimum of one quart per acre in the finished spray.  Cyper AG II may be injected into overhead sprinkler irrigation water provided 1) an anti-backflow check valve is present between the injection port and the water source, 2) a check valve is present in the line to prevent irrigation water from entering the chemical supply tank and 3) the irrigation injection system has interlocking on-off switches.  <del>For boll weevil control, apply Cyper AG II at a 3 to 4 day interval until pest numbers are reduced to acceptable levels.</del>  <del>A maximum of 0.6 lb. Active ingredient may be applied per acre per season.</del>
Foliar Use: Beet Armyworm**	0.06 to 0.1	3 to 5	<del>Do not graze or feed cotton for forage.</del>  *Aids in control. **For control of beet armyworms only in the high plains of Texas, Arizona, and California.
<b>Restrictions:</b> <ul style="list-style-type: none"> <li>Do not apply more than 0.4 lb. ai/A per year.</li> <li><u>The minimum retreatment interval is 5 days.</u></li> <li>Do not graze or feed cotton for forage.</li> <li>Do not make more than 10 synthetic pyrethroid applications (of one product or combinations of products) to cotton in one growing season.</li> </ul>			

**Head and Stem Brassica Vegetables including: Broccoli; Chinese Broccoli (gai lon, white flowering broccoli); Brussels Sprouts; Cauliflower; Cavolo broccolo, Kohlrabi; Cabbage; Chinese Cabbage (napa) (tight-heading varieties only) (1 day phi)**

PEST	DOSAGE		REMARKS
	LB/AI/A	FL.OZ./A	
Cutworms Corn Earworm Tobacco Budworm Lygus Bugs Saltmarsh Caterpillar Leafhoppers Flea Beetles Imported Cabbageworm Cucumber Beetles Aphids* Whiteflies*	0.05 to 0.1	2.5 to 5	Apply in water as necessary for insect control using a minimum of 15 gallons of finished spray per acre with ground equipment and 5 gallons per acre by air.  Lower rates of Cyper AG II should be used under light to moderate insect pressure. Higher rates should be used to control heavy to extremely heavy insect populations. Do not make applications less than 7 days apart.  A maximum of 0.6 lb. Active ingredient may be applied per acre per season.  In areas where arid climatic conditions persist, such as California and Arizona, higher than minimum recommended rates may be required.
Armyworms Loopers Stinkbugs Crickets Ground Beetles Onion Thrips Wireworm (adults)	0.075 to 0.1	3.75 to 5	Follow appropriate spray drift precautions listed for cotton, brassicas, lettuce, and onions.  *aids in control

**Leafy Brassica Greens including: Broccoli Raab (rapini), Chinese cabbage (bok choy); Chinese Mustard Cabbage (gai choy); Collards; Kale; Mizuna; Mustard Greens; Mustard Spinach; Rape Greens. (1 day phi)**

Pest	DOSAGE		Remarks
	LB/AI/A	FL.OZ./A	
Cutworms Corn Earworm Tobacco Budworm Lygus Bugs Saltmarsh Caterpillar Leafhoppers Flea Beetles Imported Cabbageworm Cucumber Beetles Aphids* Whiteflies*	0.05 to 0.1	2.5 to 5	Apply in water as necessary for insect control using a minimum of 15 gallons of finished spray per acre with ground equipment and 5 gallons per acre by air.  Lower rates of Cyper AG II should be used under light to moderate insect pressure. Higher rates should be used to control heavy to extremely heavy insect populations. Do not make applications less than 7 days apart.  A maximum of 0.4 lb. Active ingredient may be applied per acre per season.  In areas where arid climatic conditions persist, such as California and Arizona, higher than minimum recommended rates may be required.
Armyworms Loopers Stinkbugs Crickets Ground Beetles Onion Thrips Wireworm (adults)	0.075 to 0.1	3.75 to 5	Follow appropriate spray drift precautions listed for cotton, brassicas, lettuce and onions.  *aids in control

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**Lettuce, Head. (5 day phi)**

PEST	DOSAGE		REMARKS
	LB/AI/A	FL.OZ./A	
Corn Earworm Cucumber Beetles Cutworms Diamondback Moth Flea Beetles Imported Cabbageworm Leafhoppers Lygus Bugs Saltmarsh Caterpillar Tobacco Budworm	0.05 to 0.1	2.5 to 5	Apply in water as necessary for insect control using a minimum of 15 gallons of finished spray per acre with ground equipment and 5 gallons per acre by air.  Lower rates of Cyper AG II should be used under light to moderate insect pressure. Higher rates should be used to control heavy to extremely heavy insect populations.  A maximum of 0.6 lb. Active ingredient may be applied per acre per season.  In areas where arid climatic conditions persist, such as California and Arizona, higher than minimum recommended rates may be required.
Armyworms Crickets Loopers Onion Thrips Stinkbugs	0.075 to 0.1	3.75 to 5	Follow appropriate spray drift precautions listed for cotton, brassicas, lettuce, and onions.  <u>The minimum retreatment interval is 7 days.</u>

**Bulb Vegetables (Allium spp.) including: Garlic; Garlic, great-headed (elephant); Green Eschalots; Japanese Bunching Onions; Leeks; Onion, Dry Bulb and Green; Onion, Welch; Shallots, Dry Bulb and Green; Spring Onion or Scallions. (7 day phi)**

PEST	DOSAGE		REMARKS
	LB/AI/A	FL.OZ./A	
Onion Thrips	0.08 to 0.1	4 to 5	Apply Cyper AG II in a minimum of 20 gallons per acre with ground equipment or in a minimum of 3 gallons per acre by aircraft. Begin applications when pests appear. Do not make applications less than 7 days apart.
Aphids Armyworms Cutworms Leafminers Onion Maggot Adults Stink Bugs	0.04 to 0.1	2 to 5	To control Onion Thrips: Use higher rates as population increases and avoid rescue situations. Use of a crop oil concentrate at 16 fl. Oz/A is recommended.  A maximum of 0.5 lb. Active ingredient may be applied per acre per season.  Do not graze livestock in treated areas or cut treated crops for feed.  Follow appropriate spray drift precautions listed for cotton, brassicas, lettuce and onions.

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**Pecans (21 day phi)**

PEST	DOSAGE		REMARKS
	LB/AI/A	FL.OZ./A	
Black Pecan Aphid Hickory Shuckworm Pecan Nut Casebearer Pecan Weevil Yellow Pecan Aphid	0.06 to 0.10	3 to 5	<p>Applications at the lower rate should be made when pest populations are low. Rates should be increased as the pest pressure increases.</p> <p>Apply by ground equipment to the point of drip. Use 100 gallons of dilute spray per acre for smaller trees. For larger trees which require higher gallonage to achieve adequate coverage, apply in 200 to 300 gallons of water. In order to calculate the correct number of gallons of water needed to spray one acre of your trees to the point of drip, you may need to conduct a test. If you do not know how to conduct such a test with your equipment, you should request assistance from your equipment dealer.</p> <p>Do not apply more than <u>0.5 lb. ai/A</u> per year.</p> <p><u>The minimum retreatment interval is 7 days.</u></p> <p>Do not graze livestock in treated orchards or cut treated cover crops for feed.</p>

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### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Do not store below 10°F, (-12°). Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills.

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance.

**Container Disposal: Nonrefillable container.** Do not reuse or refill this container. Clean container promptly after emptying.

**For Containers equal to or less than 5 Gallons :** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**For Containers greater than 5 Gallons:** Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling if available. If recycling is not available: then dispose of container in a sanitary landfill or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Refillable Container. For Bulk containers:** Refill this container with pesticides only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the re-filler. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or re-circulate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

### Dealers Should Sell in Original Packages Only.

#### WARRANTY STATEMENT

Control Solutions, Inc. warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Control Solutions, Inc. To the extent allowed by law, Control Solutions, Inc. shall in no event be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. In addition to the foregoing, no purchaser of this product (other than an end user) shall be entitled to any reimbursement for any loss suffered as a result of any suspension or cancellation of the registration for this product by the U.S. Environmental Protection Agency. Except, as expressly provided herein, Control Solutions, Inc. makes no warranties, guarantees, or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, with regard to the product sold, including, but not limited to merchantability, fitness for a particular purpose, use or eligibility of the product for any particular trade usage. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damage resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise,

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shall be damages not exceeding the purchase price paid for this product or, at Control Solutions, Inc. election, the replacement of this product.

Ambush, Curacron, Cymbush, Karate and Warrior-Trademarks of Syngenta Crop Protection.  
Asana-Trademark of E.I. Dupont de Nemours and Co., Inc.  
Baythroid-Trademark of Bayer AG  
Scout-Trademark of Hoechst Roussel Agri-Vet Company  
Ammo, Capture, Pounce- Trademarks of FMC Corporation