
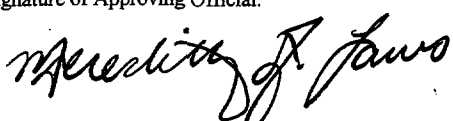


70506-193

09/24/2007

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 <p style="text-align: center;">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505P) Ariel Rios Building 1200 Pennsylvania Ave., NW Washington, D.C. 20460</p>	EPA Reg. Number: 4581-393	Date of Issuance: SEP 24 2007
	Term of Issuance:	
	Name of Pesticide Product: PENNCAP-M Microencapsulated Insecticide	
<p>NOTICE OF PESTICIDE:</p> <p style="text-align: center;"> <input type="checkbox"/> Registration <input checked="" type="checkbox"/> Reregistration (under FIFRA, as amended) </p>		
<p>Name and Address of Registrant (include ZIP Code): Cerexagri, Inc. 630 Freedom Business Center, Suite 4022 King of Prussia, PA 19406</p>		
<p>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.</p>		
<p>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.</p> <p>Based on your response to the Methyl Parathion Reregistration Eligibility Document (RED), EPA has reregistered the product listed above. This action is taken under the authority of section 4(g)(2)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act, as amended. Reregistration under this section does not eliminate the need for continual reassessment of pesticides. EPA may require submission of data at any time to maintain the registration of your product.</p> <p>Any generic data requirements that may have been identified in the RED as confirmatory data for the active ingredient contained in the subject product will continue to be tracked and assessed in the Agency's continual reassessment of pesticides.</p> <p>The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable provided that you make the changes listed below and submit one (1) copy of your revised final printed labeling incorporating these changes before you release the product for shipment. Products released for shipment after 12 months from the date of this Notice or after the next printing of the label, whichever occurs first, must bear the new revised labeling.</p> <p>A stamped copy of the label is enclosed for your records.</p> <p>1. Clarify the PPE for ground and aerial application to distinguish one from the other by revising the PPE as cited below.</p>		
Signature of Approving Official: 	Date: SEP 24 2007	

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a. Revise the text "Mixers, loaders, applicators using engineering controls must wear: __" to read as follows; "Mixers and loaders for aerial application using engineering controls and all applicators using engineering controls must wear: __."

b. Revise the text "Mixers and loaders not using engineering controls and handlers performing tasks , such as spill clean-up, for which engineering controls are not feasible must wear:" to read as follows: "Mixers and loaders for ground application must wear: ""

c. Place the text "handlers performing tasks, such as spill clean-up, for which engineering controls are not feasible must wear: "" in a separate paragraph and revise it to read as follows: "handlers performing tasks, such as spill clean-up, for which engineering controls are not feasible must wear the PPE cited above for mixes and loaders for ground application".

d. Revise the heading "Engineering controls for Mixers and Loaders" to read as follows: "Engineering Controls for Mixers and Loaders for Aerial Application."

e. Revise the heading "Engineering Controls for Applicators" to read as follows: "Engineering Controls for All Applicators."

2. The Note to Physician statement on page 3 slightly contradicts the Note to Physician statement appearing in the First Aid section (page 1). One or the other must be revised so they are consistent.

3. Reinstate the warning signs that appear on page 3 of the previous submitted label.

4. Remove all the added reentry language appearing in the Agricultural Use Requirements box that does not appear in the RED. This includes all labeling following the notification statement (Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.) With the exception of the Certified crop advisors statement, such language does not appear on the label previously submitted and reviewed for reregistration of the subject product (label designated with " rev date 04/22/05").

5. Remove the added text "unless appropriate PPE for early entry is worn" which appears in the REI statement for each of the listed crops. Such language does not appear on the previous label and is not acceptable.

6. Add the restriction "Silk Fly Only" to the crop column for the silk fly use so that it reads as follows: Corn (Sweet); Silk Fly Only.

7. Revise/Add the preharvest intervals (PHI) and the minimum spray intervals for the listed crops to be consistent with those appearing in the methyl parathion RED use table and remove all conflicting statements. Refer to item 21 of the August 9, 2007 list of label corrections. The crops for which revisions/additions to the PHI and/or minimum spray intervals are needed are cited below.

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Corn (other than sweet); 14-day spray interval
Sweet corn; 14-day spray interval and 12 days PHI
Cotton; 5 day interval and 14 day PHI
Soybeans; 7 day interval and 30 day PHI
Wheat, oats, barley, onions and white potatoes; 7 day interval

8. Correct the added warranty and disclaimer statements as cited below to avoid misleading and/or overly broad statements. Refer to the Agency document entitled Guidance on Warranty Statements dated October 17, 2006. This document is located on the Agency's website at <http://www.epa.gov/pesticides/regulating/labels/warranty.pdf>.

Add the text, "to the extent consistent with applicable law" immediately preceding the text "THE EXCLUSIVE REMEDY OF THE USER OR BUYER" and the text "THE EXCLUSIVE LIABILITY ___".

You are advised that use of the subject product in certain portions of California, Oregon and Washington is subject to the January 22, 2004 Order for injunctive relief in Washington Toxics Coalition, et al. v. EPA, C01- 0132C, (W.D. WA). For further information, please refer to the following EPA website: <http://www.epa.gov/espp/wtc/uselimitation.htm>

SLNs

Based on the registrant's response to the acephate IRED, EPA has reregistered the use of methyl parathion for the Special Local Need (SLN) registrations associated with this parent product. A copy of the label for each of the SLNs is attached.

Enclosures: Stamped label
Labels for EPA SLN Nos. AL000001, AR000006, CA000001, LA040013,
MS000009 and TX990012

cc: State Pesticide Regulatory Agencies for the States (copy of Notice and SLN label);
AL, AR, CA, LA, MS and TX

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RESTRICTED USE PESTICIDE
 Due to residual effects to avian species and bees.
 For retail sale to, and use only by Certified Applicators or persons under the direct supervision of a Certified Applicator, and only for those uses covered by the Certified Applicator's certification.

PENNCAP-M[®] Microencapsulated Insecticide

ACTIVE INGREDIENTS

O,O-Dimethyl O-p-nitrophenyl phosphorothioate*	20.9%
Related Isomers.....	1.1%
OTHER INGREDIENTS:	78.0%
TOTAL	100.0%

*Methyl Parathion (Contains 2 pounds Methyl Parathion and Related Isomers per Gallon).
 U.S. Patent Nos. 3,429,827; 3,577,515; 3,959,464

**ACCEPTED
 with COMENTS
 in EPA Letter Dated:
 SEP 24 2007
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 As amended, for the pesticide
 Registered under EPA Reg. No.
 4581-393**

**KEEP OUT OF REACH OF CHILDREN
 AVISO WARNING**

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.)

FIRST AID	
ORGANOPHOSPHATE	
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious or convulsing person.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 – 20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. Contact the Rocky Mountain Poison Center at 1-866-767-5089 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
This product contains methyl parathion, an organophosphate that inhibits cholinesterase. If symptoms of cholinesterase inhibition are present, Atropine by injection is antidotal. 2-PAM is also antidotal, but should be administered only in conjunction with atropine. Morphine is contraindicated.	

EPA Registration No. 4581-393

EPA Establishment No. 5905-AR-1

Net Contents: _____

CEREXAGRI, INC.
 630 Freedom Business Center, Suite 402
 King of Prussia, PA 19406

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)**

WARNING

MAY BE FATAL IF INHALED. HARMFUL IF SWALLOWED. HARMFUL IF ABSORBED THROUGH SKIN. Do not breathe vapors or spray mist. Avoid contact with eyes, skin, or clothing. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

If you feel sick in any way, STOP work and get help right away. See First Aid section on main container label.

The Rocky Mountain Poison Center is available for recommendations regarding poisoning management, emergency treatment, and other information regarding the toxicity of methyl parathion. The toll free number for the Rocky Mountain Poison Center is 1-866-767-5089.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of any waterproof material. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Mixers, loaders, and applicators using engineering controls must wear:

- Long-sleeved shirt and long pants,
- Shoes plus socks,
- In addition, mixers and loaders must wear chemical-resistant gloves and a chemical-resistant apron.

See Engineering Controls for additional requirements.

Mixers and loaders not using engineering controls and handlers performing tasks, such as spill clean-up, for which engineering controls are not feasible must wear:

- Coveralls over long-sleeved shirt and long pants,
- Chemical-resistant gloves,
- Chemical-resistant footwear plus socks,
- Chemical-resistant headgear if overhead exposure,
- Chemical-resistant apron if exposed to the concentrate, and
- A respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter.

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 for Mixers and Loaders

Mixers and loaders for all aerial applications must use a closed system that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4)], for dermal protection and must:

- Wear the PPE listed above for mixers, loaders using engineering controls,
- Wear protective eyewear if the system operates under pressure, and
- Be provided, must have immediately available, and must use in an emergency, such as a broken package, spill, or equipment breakdown the following: coveralls and chemical-resistant footwear and a respirator specified in the PPE section above.

Engineering Controls for Applicators

Use of human flaggers is prohibited.

Applicators must use an enclosed cab that meets the definition in the Worker Protection Standard for agricultural pesticides [40 CFR 170.240(d)(5)] for dermal protection. In addition, such applicators must:

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- Wear long-sleeved shirt and long pants,
- Wear shoes plus socks,
- Either wear the type of respirator specified in the PPE section above or use an enclosed cab that is declared in writing by the manufacturer or by a government agency to provide at least as much respiratory protection as the type of respirator specified in the PPE section above.
- Be provided, must have immediately available, and must use in an emergency when they must exit the cab in the treated area: coveralls, chemical-resistant gloves, chemical-resistant footwear, a respirator as specified in the PPE section above, and chemical-resistant headgear if overhead exposure,
- Take off any PPE that was worn in the treated area before reentering the cab, and
- Store all such PPE in a chemical-resistant container, such as a plastic bag, to prevent contamination of the inside of the cab.

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

USER SAFETY RECOMMENDATIONS:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Note to Physician: The active ingredient of PENNCAP-M is an organophosphate cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine. Morphine is contraindicated.

GENERAL INFORMATION

PENNCAP-M is a flowable formulation consisting of a water suspension of polymeric-type microcapsules which contain methyl parathion. It is applied by air or ground equipment by diluting it with an amount of water suitable for the specific crop and type of spraying equipment. For air application, use at least 2 gallons total spray per acre unless specified otherwise.

Mixing Instructions - First fill the tank with 1 to 1 1/2 gallons of water for each gallon of PENNCAP-M to be used. Start mechanical or hydraulic agitation. Slowly add the required amount of PENNCAP-M, agitate a few minutes; continue agitating and add the remaining volume of water. This procedure should be followed to insure proper mixing of PENNCAP-M.

For Tank Mixes: After pre-mixing PENNCAP-M and water as described above, fill the tank 1/2 to 3/4 full. Add tank mix products in the following order:

1. Wettable powders
2. Dry flowable or Wettable dry granules
3. Flowables
4. Emulsifiable concentrates
5. Fertilizer products

Add the remaining volume of water.

Mixtures of PENNCAP-M with emulsifiable concentrates, organic solvents, or some surfactants may cause increased toxicity and shorter residual effectiveness. This effect is more pronounced with concentrated sprays and extended periods between mixing and application.

DO NOT USE SCREEN OR NOZZLES FINER THAN 50 MESH. STIR OR SHAKE BEFORE USING.

PENNCAP-M will not control organophosphate resistant insects.

Rainfall soon after application may decrease effectiveness of PENNCAP-M. Applications are not recommended if rainfall is expected within 6 hours of application.

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ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to birds and mammals. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not mix, load, or otherwise handle in areas prone to runoff or movement into aquatic environments. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high-water mark. Keep out of lakes, ponds, and streams. Do not contaminate water when disposing of equipment wastewater or rinsate.

This product 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 or weeds if bees are visiting the treatment area. Refer to and follow the more specific and applicable precautions in the directions for certain crops. Information for protecting bees may be obtained from your local Extension Service.

SPRAY DRIFT

A variety of factors including weather conditions, (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

- All aerial and ground application equipment must be properly maintained and calibrated using water as carrier. Do not apply this product in any carrier other than water.
- Use the largest droplet size consistent with good pest control. Small droplets are more prone to spray drift and can 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.
- Do not apply at wind speeds greater than 10 mph at the application site.
- Apply as close to target plants as practical to obtain a good spray pattern for adequate coverage.
- For aerial applications, do not apply at heights greater than 10 feet (consistent with flight safety).
- For aerial applications, the spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum boom length should be used and must not exceed 75% of wingspan or rotor diameter.
- For ground applications, do not apply at heights greater than 4 feet.

DIRECTIONS FOR USE

This is a Restricted Use Pesticide.

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

This product may not be reformulated or used under a State Special Local Need Registration for any uses not specified on this labeling other than walnuts or sweet potatoes.

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.

Application by Backpack Sprayer or other Hand-held Sprayer is Prohibited.

AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow workers entry into treated areas during the restricted-entry interval (REI). The REI for each crop is listed in the directions for use associated with that crop.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

Under specified conditions, the WPS allows workers to enter pesticide treated areas during a REI to perform certain agricultural tasks. Under WPS, the following exceptions to the REI may apply to chemicals requiring worker notification.

- No contact early entry (40 CFR 170.112(b))
- Short term tasks with no hand labor (40 CFR 170.112(c))
- Tasks during an agricultural emergency (40 CFR 170.112(d))

For complete information on requirements for these early entry exceptions, please refer to "The Worker Protection Standard for Agricultural Pesticides – How to Comply: What Employers Need to Know," dated July 1993 (EPA735-B-93-001), and to the EPA website at <http://www.epa.gov/pesticides/safety/workers/workers.htm>.

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 worn over long-sleeved shirt and long pants,
- Chemical-resistant gloves made from any waterproof material,
- Chemical-resistant footwear plus socks,
- Chemical-resistant headgear if there is potential for overhead exposures.

When performing certain limited contact activities requiring early reentry, as described in the US EPA Interim Registration Eligibility Decision (IRED) document for methyl parathion, at a minimum workers are required to wear the following PPE:

- Coveralls worn over personal clothing
- Chemical-resistant gloves made from any waterproof material,
- Chemical-resistant footwear plus socks.

In addition, certified crop advisors and persons performing crop advising tasks under a qualified crop advisor's direct supervision are exempt from certain specified provisions of the WPS. For complete information on crop advisor exemptions under WPS, refer to 40 CFR 170.104.

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FIELD CROPS

Crop	Insects	Pints/ Acre	Remarks
Corn (Field, Pop**, and Specialty** Corns) Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 31 days unless appropriate PPE for early entry is worn.	Corn Rootworm Adults	1 – 2 (0.25 – 0.5 lb a.i.)	Do not apply during pollen shed if bees are foraging in the areas to be treated.
	Stinkbugs**	1 – 3 (0.25 – 0.75 lb a.i.)	Corn Rootworm Adults: - For silk clipping - 1 to 2 pints per acre. - To prevent egg laying - 1 1/2 to 2 pints per acre. - Use the low rate for light infestation.
	Aphids Flea Beetles Grasshoppers* Sap Beetles True Armyworm**	2 – 3 (0.5 – 0.75 lb a.i.)	First Generation European Corn Borer: - Whorl Application - 2 pints per acre by ground. - Broadcast Application - 3 to 4 pints per acre.
	European Corn Borer Japanese Beetle** Silk Fly** Southwestern Corn Borer Western Bean Cutworm	2 – 4 (0.5 – 1.0 lb a.i.)	Second Generation European Corn Borer: - Broadcast Application - 2 to 4 pints per acre. - Use the low rate for light infestations. When environmental conditions favor extended moth flights of the second generation of European Corn Borer, two correctly timed applications of PENNCAP-M at the lowest recommended rate may provide improved control over a single application

Black Cutworm

4
(1.0 lb a.i.)

provide improved control over a single application at a higher rate.**

Apply PENNCAP-M at 2 pints/acre at the time of the initial hatch of the second generation. Repeat 10-14 days later.

For low volume aerial applications to control Corn Rootworm Adults, Aphids, European Corn Borer and Western Bean Cutworm use the indicated rates of PENNCAP-M at a minimum of 1 gallon total spray per acre.**

Application of undiluted PENNCAP-M is not recommended. Equipment that has been specially adapted and calibrated for low volume applications should be used. Best control will be achieved using spray devices that will produce droplets within the size range of 100 to 200 microns. The following conditions must be met:

1. Equipment must be adjusted to distribute spray uniformly over the spray swath;
2. Wind conditions and other factors such as temperature and humidity are such that the spray is deposited on the target;
3. Local regulations do not prohibit low volume aerial sprays.

For most efficient European Corn Borer control, use a spray schedule suitably adapted to the area.

For best Black Cutworm control, apply PENNCAP-M under moist soil conditions.

Do not apply more than 4 pints product (1.0 lb a.i.)/A per application.

Do not apply more than 12 pints product (3.0 lbs a.i.)/A per year.

Do not make more than 3 applications per year.

Do not harvest, cut for forage, or graze within 12 days of application.

<p>Corn (Sweet)</p> <p>Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 9 days unless appropriate PPE for early entry is worn.</p>	<p>Silk Fly**</p>	<p>2 - 3 (0.5 - 0.75 lb a.i.)</p>	<p>Do not apply during pollen shed if bees are foraging in the areas to be treated.</p> <p>Do not apply more than 3 pints product (0.75 lb a.i.)/A per application. Do not apply more than 12 pints product (3 lbs a.i.)/A per year. Do not make more than 4 applications per year. Do not cut for forage or graze within 12 days of application.</p>
<p>Corn (Sweet)</p> <p>NOTE: Mechanical harvesting must be used.</p> <p>Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 31 days unless appropriate PPE for early entry is worn.</p>	<p>Corn Rootworm Adults</p>	<p>1 - 2 (0.25 - 0.5 lb a.i.)</p>	<p>Do not apply during pollen shed if bees are foraging in the areas to be treated.</p>
	<p>Stinkbugs**</p>	<p>1 - 3 (0.25 - 0.75 lb a.i.)</p>	<p>First Generation European Corn Borer: - Whorl Application - 2 pints per acre by ground. - Broadcast Application - 3 pints per acre.</p>
	<p>Aphids European Corn Borer Flea Beetles Grasshoppers* Japanese Beetle** Sap Beetles Southwestern Corn Borer True Armyworm** Western Bean Cutworm</p>	<p>2 - 3 (0.5 - 0.75 lb a.i.)</p>	<p>Second Generation European Corn Borer: - Broadcast Application - 2 to 3 pints per acre.</p> <p>For most efficient European Corn Borer control, use a spray schedule suitably adapted to the area.</p> <p>For best Black Cutworm control, apply PENNCAP-M under moist soil conditions.</p>
	<p>Black Cutworm</p>	<p>3 (0.75 lb a.i.)</p>	<p>Do not apply more than 3 pints product (0.75 lb a.i.)/A per application. Do not apply more than 12 pints product (3 lbs a.i.)/A per year. Do not make more than 4 applications per year. Do not cut for forage or graze within 12 days of application.</p>
<p>Cotton</p> <p>Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 11 days unless appropriate PPE for early entry is worn.</p>	<p>Fleahoppers Plant Bugs Thrips**</p>	<p>½ - 1 (0.125 - 0.25 lb a.i.)</p>	<p>Do not apply if bees are foraging in the areas to be treated.</p>
	<p>Boll Weevil Stinkbugs**</p>	<p>1-3 (0.25 - 0.75 lb a.i.)</p>	<p>For Lygus, use the higher rates for increased populations after cotton is beyond pinhead square stage.</p>
	<p>Pink Bollworm Whitefly (see remarks)</p>	<p>2 - 4 (0.5 - 1.0 lb a.i.)</p>	<p>For Aphid suppression only. Will not control populations resistant to organophosphate insecticides</p>
	<p>Lygus</p>	<p>½ - 4 (0.125 - 1.0 lb a.i.)</p>	<p>For Whitefly: Cerexagri recommends PENNCAP-M be tank-mixed with amitraz, a pyrethroid, or non-organophosphate insecticide known to be effective on this pest. Refer to local Cooperative Extension Service for more information on the control of Whitefly.</p>
	<p>Aphids (suppression)</p>	<p>1 - 4 (0.25 - 1.0 lb a.i.)</p>	

	Soybean Looper**	2 - 3 (0.5 - 0.75 lb a.i.)	information on the control of Whitefly. Do not apply more than 4 pints product (1.0 lb a.i.)/A per application. Do not apply more than 16 pints product (4 lbs a.i.)/A per year. This includes all methods of application on cotton. Do not make more than 4 applications per year. Do not apply within 7 days of hand picking or harvest.
Soybeans Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 11 days unless appropriate PPE for early entry is worn.	Corn Rootworm Adults	1 - 2 (0.25 - 0.5 lb a.i.)	Do not apply more than 3 pints product (0.75 lb a.i.)/A per application. Do not apply more than 6 pints product (1.5 lbs a.i.)/A per year. Do not make more than 2 applications per year. Do not apply within 20 days of harvest or grazing.
	Stinkbugs** Soybean Aphid**	1 - 3 (0.25 - 0.75 lb a.i.)	
	Bean Leaf Beetle Grasshoppers* Green Cloverworm Mexican Bean Beetle Potato Leafhopper Silverspotted Skipper Soybean Looper** Threecornered Alfalfa Hopper Thrips** Velvetbean Caterpillar Japanese Beetle**	2 - 3 (0.5 - 0.75 lb a.i.)	
Wheat, Oats, and Barley Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 31 days unless appropriate PPE for early entry is worn.	Stinkbugs**	1 - 3 (0.25 - 0.75 lb a.i.)	Do not apply more than 3 pints product (0.75 lb a.i.)/A per application. Do not apply more than 6 pints product (1.5 lbs a.i.)/A per year. Do not make more than 2 applications per year. Do not apply within 15 days of harvest or grazing.
	Aphids (including Greenbug) Grasshoppers* True Army worm** Wheat Midge**	2 - 3 (0.5 - 0.75 lb a.i.)	

*For grasshoppers, use higher rates if the majority of insects are large or weather is cool.
 **Not for this use in California.
 NOTE: Dilute sprays are not to exceed maximum rate per acre.

VEGETABLE CROPS

Crop	Insects	Pints/ Acre	Remarks
Onions Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 13 days unless appropriate PPE for early entry is worn.	Thrips	2 (0.5 lb a.i.)	Do not apply when onions are blooming and bees are foraging the areas to be treated. Do not apply more than 2 pints product (0.5 lb a.i.)/A per application. Do not apply more than 8 pints product (2 lbs a.i.)/A per year. Do not make more than 4 applications per year. Pre-harvest interval (PHI): 15 days
White Potatoes Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 days unless appropriate PPE for early entry is worn.	Grasshoppers*	2 - 3 (0.5 - 0.75 lb a.i.)	Do not apply more than 6 pints product (1.5 lbs a.i.)/A per application. Do not apply more than 24 pints product (6 lbs a.i.)/A per year. Do not make more than 4 applications per year. Pre-harvest interval (PHI): 5 days
	Aphids Tuberworm	4 (1.0 lb a.i.)	
	Cutworms European Corn Borer Flea Beetles Potato Leafhopper Tarnished Plant Bug	2 - 4 (0.5 - 1.0 lb a.i.)	
	Colorado Potato Beetle	2 - 6 (0.5 - 1.5 lbs a.i.)	

*For grasshoppers, use higher rates if the majority of insects are large or weather is cool.

**Not for this use in California.

**ULV AERIAL APPLICATION IN WATER TO COTTON
NOT FOR THIS USE IN CALIFORNIA
APPLICATION INSTRUCTIONS**

Use spray equipment that has been specifically adapted and calibrated for ultra-low-volume spraying of PENNCAP-M. The following conditions are to be met:

1. Equipment must be adjusted to distribute the spray uniformly over the spray swath.
2. Do not apply when wind conditions favor drift from treated areas.

Spray equipment should be cleaned as soon as possible after completion of spraying. Strainers should be cleaned daily. Do not allow PENNCAP-M to dry in or on application equipment before cleaning.

Crop	Insect	Rates	Remarks
<p>Cotton</p> <p>Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 11 days unless appropriate PPE for early entry is worn.</p>	<p>Boll Weevil</p>	<p>PENNCAP-M</p> <p>1-2 pints plus an equal amount of water (1-2 pints)</p>	<p>Do not apply if bees are foraging in the areas to be treated. Begin applications when damaging levels of boll weevils appear.</p> <p>Add a material for Heliothis control to the tank mix when bollworms and/or budworms (Heliothis/Helicoverpa spp.) are present. Use the rate recommended on the label for the specific material used.</p> <p>Do not apply more than 16 pints product (4 lbs a.i.)/A per year. This includes all methods of application on cotton. Do not make more than 4 applications per year. Do not apply within 7 days of hand picking or harvest.</p>

CHEMIGATION
NOT FOR THIS USE IN CALIFORNIA

GENERAL INSTRUCTIONS

Apply this product only through sprinkler irrigation systems including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move. 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 nonuniform distribution of treated water.

If you have any 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.

Do not connect chemigation system to any public water system. Public water system means a system for the provision of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

SYSTEM REQUIREMENTS

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

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 must include a functional pressure switch that 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

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designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

INSTRUCTIONS FOR SPRINKLER (OVERHEAD) IRRIGATION:

Observe the requirements in the System Requirements section above.

Apply PENNCAP-M Insecticide only through systems containing anti-syphon and check valves designed to prevent water source contamination or overflow of the mix tank and containing interlocking controls between the metering device and the water pump to insure simultaneous shut-off.

Maintain a gentle continuous agitation in mix tank during mixing and application to assure a uniform suspension.

Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute suspension per unit time.

Application of more than recommended quantities of irrigation water per acre may result in decreased product performance.

Do not apply when wind speed favors drift, when system connections or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product cannot be flushed and must be dismantled and drained. In a center pivot system, block the nozzle set nearest the well/pivot/injection unit to prevent spray being applied to this area. All screens should be 50 mesh or larger.

Where sprinkler distribution patterns do not overlap sufficiently, unacceptable pest control may result.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water.

PENNCAP-M may be applied in conjunction with chemically neutral liquid fertilizers. Application in conjunction with highly alkaline fertilizers, such as aqueous ammonia, may cause a degradation of the pesticide, resulting in reduced performance and should be avoided.

Check local restrictions and requirements regarding sprinkler irrigation applications, as they may vary from state to state.

SPRAY PREPARATION:

Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

Prepare a suspension of PENNCAP-M Insecticide in a mix tank. Fill the tank with 1/2 or 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Slowly add the required amount of PENNCAP-M and then the remaining volume of water.

APPLICATION INSTRUCTIONS:

Set sprinkler system to deliver 0.1 to 1.25 inches of water per acre. Volumes of water higher than this may reduce efficacy. Start sprinkler and then uniformly inject the suspension of PENNCAP-M into the irrigation water line to deliver the desired rate per acre. The suspension of PENNCAP-M should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing.

NOTE: When treatment with PENNCAP-M has been completed, do not irrigate the treated area for 24 to 48 hours to prevent washing the chemical off the crop.

STORAGE AND DISPOSAL

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

Storage Instructions: Store in the original container. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. If spilled during storage or handling, absorb with sand or other inert material and dispose of absorbent in accordance with the Pesticide Disposal Instructions listed below.

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

Container Disposal Instructions: Triple rinse (or equivalent). Then offer for recycling or reconditioning; or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

EMERGENCY TELEPHONE NUMBERS:

CHEMTREC: (800) 424-9300

MEDICAL: (866) 767-5089
Rocky Mountain Poison Control Center

IMPORTANT INFORMATION READ BEFORE USING PRODUCT

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 reflect the opinion of experts based on field use and tests, and must be followed carefully. It is impossible to eliminate all risks 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 Cerexagri, Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of Cerexagri, Inc. and Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Cerexagri, Inc. and Seller harmless for any claims relating to such factors.

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