

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



OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

MAY 27 2003

Ms. Mary Beth Endres  
Brazos Associates, Inc.  
2001 Diamond Ridge Drive  
Carrollton, TX 75010-4509

Dear Ms. Endres:

Subject: Revised Labeling per PR Notices 2001-1 and 2001-6; Revised CSF  
fert•lome® Insect Killer (Granular) Contains Carbaryl Insecticide  
EPA Registration No. 7401-43  
Your Submission Dated October 18, 2001

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided you make the following changes before you release the product for shipment bearing the amended labeling:

1. The following text on the front page marked as "optional" (in brackets) should appear on all labeling: "For Use on Home Ornamentals & Vegetable Gardens" or "For Use on Home Fruit & Vegetable Gardens"; and "For the Control of Chinch Bugs, Sod Webworms and certain Other Insects."
2. Under the First Aid heading revise the statement to "Carbaryl is an N-methyl....inhibitor." In the First Aid section you are encouraged to add a company telephone number or toll-free hotline number. You may use the National Pesticide Telecommunications Network (NPTN). See the enclosed pamphlet for more information.
3. Revise the Note to Physician section as follows: "Carbaryl is an N-methyl carbamate the inhibits cholinesterase. Atropine is antidotal. Do not use 2-PAM (pyridene-2-aldoxime methiodide), opiates or cholinesterase inhibiting drugs. Probable mucosal damage may contraindicate the use of gastric lavage."
4. Revise the Precautionary Statements as follows: "Harmful if swallowed, inhaled, or absorbed through the skin. Avoid breathing dust. Avoid contact with skin, eyes or

clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep out of reach of children and domestic animals.”

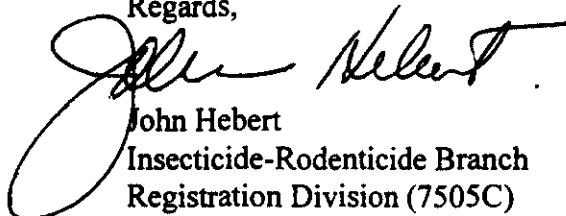
4. Under Environmental Hazards, delete “This pesticide may be...Keep pests out of treated areas.” If you prefer, this can be moved to Hazards to Humans and Domestic Animals.
5. The maximum seasonal application rate and maximum lb ai/acre/crop does not agree for corn (both sweet and field) and must be corrected.
6. Under the directions of use for Lyme disease revise the heading as follows: “CONTROL OF TICKS WHICH MAY TRANSMIT LYME DISEASE.” Delete *Amblyomma spp.* because they are not known vectors of Lyme disease. Also, correct the spelling of *Ixodes spp.*

The confidential statement of formula for the basic formulation dated October 18, 2001 is not acceptable. The label claim nominal concentration of 3.34% carbaryl does not agree with the nominal concentration reported on the CSF. The amount of carbaryl listed in column 13(b) must be adjusted.

Your product’s new primary brand name, fert•lome® Insect Killer (Granular) Contains Carbaryl Insecticide is acceptable.

Submit two copies of your final printed labeling before you release the product for shipment. A stamped copy is enclosed for your records. If you have any questions, please contact me at (703) 308-6249 or [hebert.john@epa.gov](mailto:hebert.john@epa.gov).

Regards,



John Hebert  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

MAY 27 2003

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

7401-43

[FRONT LABEL PANEL]

**ferti•lome®**

**INSECT KILLER**  
(Granular)  
**Contains Carbaryl Insecticide**

[Optional proposed text appears in brackets - the final label may include some or all of the optional text]

[For the Control of Chinch Bugs, Sod Webworms and Certain Other Insects]

[Covers up to 5,000 Sq. Ft.]

[Aids in the Control of Imported Fire Ants]

[For Use On Home Ornamentals & Vegetable Gardens]

[For Use On Home Fruit & Vegetable Gardens]

**ACTIVE INGREDIENT:**

Carbaryl (1-naphthyl N-Methylcarbamate) ..... 3.34%

**INERT INGREDIENTS:** ..... 96.66%

**TOTAL:** ..... 100.0%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**See Back/Side Label Panel for Additional Precautionary Statements**

**NET WEIGHT \_\_\_\_\_**

[BACK/SIDE LABEL PANEL]

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

**CAUTION**

Harmful if swallowed or absorbed through the skin. Avoid breathing dust. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling this product. Do not eat, drink or use tobacco while working with this product. Wash hands and face before eating, drinking or using tobacco. Keep out of reach of children and domestic animals.

<b>USER SAFETY REQUIREMENTS</b>	
<ul style="list-style-type: none"> <li>* Wear long-sleeved shirt, long pants, shoes plus socks and household latex or rubber gloves when applying this product.</li> <li>* Change clothing as soon as possible after use.</li> <li>* Wash the outside of gloves before removing. As with any pesticide product, wash hands thoroughly immediately after handling and before eating, smoking or using the toilet.</li> <li>* Do not allow children or pets to contact treated areas until dust has settled.</li> </ul>	

<b>FIRST AID</b>	
This product is an N-methyl carbamate and is a cholinesterase inhibitor.	
If swallowed	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</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>
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>
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 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>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p><b>NOTE TO PHYSICIAN:</b> Carbaryl is a moderate, reversible, cholinesterase inhibitor. Atropine is an antidote. DO NOT use 2-PAM, opiates or cholinesterase-inhibiting drugs.</p>	

#### **ENVIRONMENTAL HAZARDS**

This product is toxic to birds and wildlife. Birds feeding on treated areas may be killed. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Do not contaminate water when disposing of equipment washwaters. This pesticide may be fatal to dogs or other pets if eaten. Keep pets out of treated areas.

#### **DIRECTIONS FOR USE**

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

#### **HOME LAWNS, RECREATIONAL AND ORNAMENTAL TURF AREAS**

For control of turf grass pests, apply granules uniformly to the turf grass. For optimum control, follow specific directions for proper watering or irrigation after application. Do not allow public use of treated area during application.

## [BACK/SIDE LABEL PANEL CONTINUED]

PEST	POUNDS OF SEVIN* GRANULES PER 1,000 SQ. FT.	SPECIFIC DIRECTIONS
Ants, Armyworms, Centipedes, Chiggers, Chinch bugs, Crickets, Cutworms, Darking Ground beetles, Earwigs, Esse Skipper, European Chafer, Fall armyworms, Liery skipper, Fleas, Grasshoppers, Green June Bugs, Green June beetle grubs, Lawn Moths, (sod webworms), Leafhoppers, Lucerne Moth larvae, Millipedes, Sowbugs, Spittlebugs, Springtails, Ticks, Yellowstriped armyworms.	6 to 7½	For general insect control apply granules uniformly when grass is dry. For most effective control, lawn should be watered lightly after application to remove the insecticide from the granule. Repeat applications may be made at weekly intervals to control new infestations.
White grubs (such as Japanese beetle grubs, Chafer beetle grubs, Phyllophage spp grubs and Annual white grubs), Bluegrass billbug larvae, European crane fly larvae.	7½	For white grub control applications should be made when grubs are feeding near the soil surface usually during the late March through May or July to early September, or as recommended by local agricultural extension agents. For most effective control, turf should be watered thoroughly after treatment to remove insecticide from granule. Repeat applications may be made once per week.

**NUISANCE PEST CONTROL IN AND AROUND FLOWER BEDS AND ORNAMENTAL PLANTINGS AND AROUND HOMES**

For control of ants, armyworms, ticks, cutworms, centipedes, crickets, earwigs, firebrats and silverfish, fleas, millipedes, sowbugs, scorpions and spiders: Apply granules uniformly to a 6 foot band around building. Apply granules at the rate of 11 ounces per 120 sq. ft.

(6x20 band) to shrub and flower beds, foundations, ornamental plantings and lawn or soil areas immediately adjacent to building. For most effective control, treated area should be lightly watered after pesticide application to remove insecticide from the granules. Repeat application weekly to maintain control.

#### **FRUIT AND VEGETABLE CROPS (Not for use in California)**

For control of Ants, Centipedes, Crickets, Cutworms, Earwigs, Grasshoppers, Millipedes, Sowbugs (Pillbugs), Springtails and Ticks.

Commodity	Use Rate
Asparagus	<p>Application to Spears: Do not apply more than <math>\frac{2}{3}</math> lb of this product to cover 500 sq. ft. (2 lb. ai/acre/application). Maximum seasonal application rate of 2 lb (6 lb ai/acre/crop).</p> <p>Application to Ferns (after harvest of spears): Do not apply more than <math>\frac{2}{3}</math> lb of this product to cover 500 sq. ft. (2 lb ai/acre/application). Maximum seasonal application rate of <math>1\frac{1}{3}</math> lb (4 lb ai/acre/crop).</p> <p>Retreatment interval = 7 days when applied to ferns after harvest. Retreatment interval = 3 days when applications are to spears.</p> <p>PHI = 1 day</p> <p>The total maximum seasonal application rate for spears and ferns is <math>3\frac{1}{3}</math> lb (10 lb ai/acre/crop).</p> <p>The total number of applications is 3 prior to harvest with 2 additional applications to ferns only.</p>
Beans, fresh and dried (snap, navy and kidney); pea, fresh and dried; cowpea	<p>Do not apply more than <math>\frac{1}{2}</math> lb of this product to cover 500 sq. ft. (1.5 lb ai/acre/application). Maximum seasonal application rate of 2 lb. (6 lb ai/acre/crop).</p> <p>Retreatment interval = 7 days</p> <p>PHI = 3 days (succulents) PHI = 21 days (dried) PHI = 14 days (forage) PHI = 21 days (hay)</p>

<p>Garden beets (roots), carrots, radish, parsnip, salsify, turnips (roots)</p>	<p>Do not apply more than <math>\frac{2}{3}</math> lb of this product to cover 500 sq. ft. (2 lb ai/acre/application).  Maximum seasonal application rate of 2 lb (6 lb ai/acre/crop).  Retreatment interval = 7 days  PHI = 7 days</p> <p>Total number of applications/crop can be 6 (some of which must be at lower than maximum single application rate)</p>
<p>Mustard greens</p>	<p>Do not apply more than <math>\frac{2}{3}</math> lb of this product to cover 500 sq. ft. (2 lb ai/acre/application).  Maximum seasonal application rate of 2 lb (6 lb ai/acre/crop).  Retreatment interval = 7 days  PHI = 13 to 14 days</p> <p>Total number of applications/crop can be 4 (some of which must be at lower than maximum single application rate)</p>
<p>Brussels sprouts, broccoli, cabbage, Chinese cabbage, collards, kale, kohlrabi</p>	<p>Do not apply more than <math>\frac{2}{3}</math> lb of this product to cover 500 sq. ft. (2 lb ai/acre/application).  Maximum seasonal application rate of 2 lb (6 lb ai/acre/crop).  Retreatment interval = 7 days  PHI = 3 days (Brussels sprouts, broccoli, cabbage, kohlrabi)  PHI = 14 days (Chinese cabbage, kale, collards)</p> <p>Total number of applications/crop can be 4 (some of which must be at lower than maximum single application rate)</p>
<p>Corn (field and pop)</p>	<p>Do not apply more than <math>\frac{2}{3}</math> lb of this product to cover 500 sq. ft. (2 lb ai/acre/application).  Maximum seasonal application rate of <math>2\frac{3}{4}</math> lb (6 lb ai/acre/crop).  Retreatment interval = 14 days  PHI = 14 days (forage, silage)  PHI = 48 days (grain, fodder)</p>



<p>Corn (sweet)</p>	<p>Do not apply more than <math>\frac{2}{3}</math> lb of this product to cover 500 sq. ft. (2 lb ai/acre/application).  Maximum seasonal application rate of <math>5 \frac{1}{2}</math> lb (6 lb ai/acre/crop).  Retreatment interval = 3 days  PHI = 2 days (ears)  PHI = 14 days (forage)  PHI = 48 days (fodder)</p>
<p>Cucumber, melon, squash</p>	<p>Do not apply more than <math>\frac{1}{3}</math> lb of this product to cover 500 sq. ft. (1 lb ai/acre/application).  Maximum seasonal application rate of 2 lb (6 lb ai/acre/crop).  Retreatment interval = 7 days  PHI = 3 days</p>
<p>Lettuce, head and leaf; endive, celery, dandelion, parsley, spinach, Swiss chard, Hanover salad, garden beets (tops), turnips (tops)</p>	<p>Do not apply more than <math>\frac{2}{3}</math> lb of this product to cover 500 sq. ft. (2 lb ai/acre/application).  Maximum seasonal application rate of 2 lb (6 lb ai/acre/crop).  Retreatment interval = 7 days  PHI = 14 to 15 days</p> <p>Total number of applications/crop can be 5 (some of which must be at lower than maximum single application rate)</p>
<p>Potato</p>	<p>Do not apply more than <math>\frac{2}{3}</math> lb of this product to cover 500 sq. ft. (2 lb ai/acre/application).  Maximum seasonal application rate of 2 lb (6 lb ai/acre/crop).  Retreatment interval = 7 days  PHI = 7 days</p> <p>Total number of applications/crop can be 6 (some of which must be at lower than maximum single application rate)</p>
<p>Strawberry</p>	<p>Do not apply more than <math>\frac{2}{3}</math> lb of this product to cover 500 sq. ft. (2 lb ai/acre/application).  Maximum seasonal application rate of <math>3 \frac{1}{3}</math> lb (10 lb ai/acre/crop).  Retreatment interval = 7 days  PHI = 7 days</p>

Tomato, pepper, eggplant	<p>Do not apply more than <math>\frac{2}{3}</math> lb of this product to cover 500 sq. ft. (2 lb ai/acre/application).  Maximum seasonal application rate of 2 <math>\frac{3}{4}</math> lb (8 lb ai/acre/crop).  Retreatment interval = 7 days  PHI = 3 days</p> <p>Total number of applications/crop can be 7 (some of which must be at lower than maximum single application rate)</p>
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Water lightly after application to release the insecticide from the granule.

### **IMPORTED FIRE ANT CONTROL**

For use as a mound treatment to control imported fire ants, apply 2.8 to 5.6 ounces over and around each fire ant mound. Irrigate mound thoroughly immediately after treatment to remove insecticide from granule and flush in down into the ground. A minimum of 1 gallon of water should be applied to each mound, but do not use more than 2 gallons of water as flooding may result. Apply water gently to avoid disturbing ants and causing migration before the chemical can be effective. For best results, apply in the early morning or late evening hours when ants are least active. Treat new mounds as they appear.

### **CONTROL OF TICKS WHICH TRANSMIT LYME DISEASE**

For control of juvenile and adult Ixodes spp. ticks (Deer tick, Bear tick and Black legged tick) and Amblyomma spp. ticks (lone star tick), apply granules at the rate of 4.7 to 5.7 ounces per 1,000 sq. ft.

Begin applications in the late spring or early summer (May/June). Uniformly apply granules to entire lawn, perimeter wooded areas and property boundaries including shrub beds, ornamental plantings and wooded areas where exposure to ticks may occur. For optimum results, irrigate treated areas after application to remove insecticide from the granules.

**[SPACE RESERVED FOR SPECIFIC SPREADER SETTINGS GUIDE]**

### **STORAGE AND DISPOSAL**

**STORAGE:** Keep out of reach of children and pets. Store in original containers only. Store in cool, dry place and avoid excess heat.

**DISPOSAL: If empty:** Do not reuse this container. Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.



**[BACK/SIDE LABEL PANEL CONTINUED]**

**NOTE:** Buyer assumes all risks of use, storage or handling of this product not in strict accordance with directions given herewith. Voluntary Purchasing Groups, Inc. warrants this product to conform to the chemical description on the label and for the purposes stated on the label. The limit of any liability incurred shall be the purchase price paid by the user or buyer.

VOLUNTARY PURCHASING GROUPS, INC.  
P.O. Box 460  
BONHAM, TEXAS 75418

EPA Registration No. 7401-43  
EPA Establishment No. 7401-TX-1