

PM 13  
U.S. ENVIRONMENTAL PROTECTION AGENCY  
OFFICE OF PESTICIDES PROGRAMS  
REGISTRATION DIVISION (75-767)  
WASHINGTON, DC 20460

EPA REGISTRATION NO.  
11746-24 ( )

DATE OF ISSUANCE  
JUN 18 1992

NOTICE OF PESTICIDE:  REGISTRATION  
 REREGISTRATION  
(Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended)

TERM OF ISSUANCE  
Until Reregistration

NAME OF PESTICIDE PRODUCT  
Davis Kill-A-Bug XXIII

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Louisiana Chemical USA, Inc.  
Cobbe Insect Company  
P.O. Box 2220  
Greeley, CO 80632-2220

11615419664  
182

NOTE: Changes in labeling formula 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 U.S. EPA registration number.

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

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this 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.

Section 2(b)(1) of the Act is conditioning registration on the registrant's agreement to comply with the requirements of section 2(b)(7)(A) provided that you:

1. Submit/submit to the Administrator, within the time specified in the registration application, information on the labeling of similar products to submit such data.

2. Make the labeling changes in the label before you release the product for shipment.

3. Add the phrase "EPA registration no. 11746-24."

**BEST AVAILABLE COPY**

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

DATE  
July 15 1992

b. You have not yet responded to our request of April 30, 1992 to correct the density in Block # 7 of the Confidential Statement of Formula. The density should be reported at 33.3 lb/per cu. ft.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6 (e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

George T. LaRocca  
Product Manager (13)  
Insecticide-Rodenticide Branch  
Registration Division (H7505C)

Enclosures

CONCURRENCES							
SYMBOL							
SURNAME	S. Meeks						
DATE							

THIS PRODUCT MUST NOT BE USED ON SOD FARMS  
AND GOLF COURSES

For Outdoor Use on the Home Lawn  
and in the Home Garden

TREATS UP TO 6250 SQUARE FEET

DAVIS

KILL-A-BUG<sup>R</sup> XXIII

DIAZINON GRANULES  
for

L A W N     &     G A R D E N  
I N S E C T   C O N T R O L

DAVIS Kill-A-BUG XXIII KILLS:

Ants	Fire Ants*
Armyworms	Fleas
Bermudagrass mites	Onion maggots
Billbugs	Root maggots
Brown dog ticks	Sod webworms
Chiggers	White grubs of:
Chinch bugs	o European chafer
Crickets	o Japanese beetle
Cutworms	o Southern chafer
Earwigs	Wireworms

And others  
\*Aids in control

See Directions for Use

Ready-to-use granules. Contains 5% Diazinon Insecticide.

ACTIVE INGREDIENT:

Diazinon: O,O-Diethyl O-(2-isopropyl- 6-methyl-4-pyrimidyl) phosphoro- thioate .....	5%
INERT INGREDIENTS .....	95%
Total ....	100%

Keep Out of Reach of Children

C A U T I O N

See additional precautionary  
statements on back of bag.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

JUN 18 1992

12.5 Pounds Net Weight

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

11746-24

In Lawns Kill-A-Bug XXIII Kills:

Ants  
Armyworms  
Bermudagrass mites  
Billbugs  
Brown dog ticks  
Chiggers  
Chinch bugs  
Clover mites  
Crickets  
Cutworms  
Digger wasps  
Earwigs  
Fire Ants\*  
Fleas  
Lawn moths  
Leafhoppers  
Millipedes  
Sod webworms  
Sowbugs (Pillbugs)  
Springtails  
White grubs of:  
o Japanese beetle  
o European chafer  
o Southern chafer

\*Aids in Control

In Gardens Kill-A-Bug XXIII Kills:

Cutworms  
Mole crickets  
Onion maggots  
Root maggots  
Wireworms

**DIRECTIONS FOR USE**

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

**OVERALL LAWN APPLICATION:**

Kill-A-Bug XXIII controls the following lawn insects on both grass and dichondra lawns:

Ants - Armyworms - Bermudagrass mites - Brown dog ticks -  
Chiggers - Chinch bugs - Clover mites - Crickets - Cutworms -  
Earwigs - Fleas - Lawn moths (sod webworms) - Leafhoppers -  
Millipedes - Sowbugs (Pillbugs) - Springtails (Collembola)

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

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

**PRECAUTIONS:** Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, NY between 11/1 and 5/20. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping treated areas. Where watering is recommended in the directions or if waterfowl, i.e., ducks or geese, can be expected to enter the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after applying this product, however, stop water before puddling occurs.

Apply Kill-A-Bug XXIII with a fertilizer spreader. See spreader setting chart on side of bag. Apply when grass is dry. Repeat as necessary.

For application with other types of equipment, apply at the rate of 2 lbs. per 1000 sq. ft. (an area 20' by 50') or 3.2 oz. per 100 sq. ft. (an area 10' by 10').

Billbugs: White grubs of European chafer, Japanese beetle, Southern chafer, Ataenius spretulus (dung beetle):

Apply 2 lbs. per 1000 sq. ft. of lawn. Water grass thoroughly after application. For billbug control apply when activity is first observed or when chewed or brown grass indicates damage from these insects. Repeat as necessary. For grub control, except dung beetle, treat any time between late July and early October. For dung beetle grub control, apply in spring or early summer when damage is first noticed. Water grass thoroughly with 1/4 - 1/2 in. of water after application. Treat again in late summer or early fall if a second generation occurs.

Hyperodes weevils: Apply 2 lbs. per 1000 sq. ft. of grass. Water grass thoroughly after application. Treat problem areas in mid-April and again in mid-May.

**LAWN SPREADER SETTING NO. (To deliver 2 lbs. per 1000 sq. ft.)**

Spreader Make and Model	Setting
Imperial Mark No. 1662-G	6.5
Central Suburbia Lawn Spreader No. 1622-0	6.5
Cyclone Model B1 Rotary	4.5
Greenfield Model 105	6.5
Ortho Drop Spreader Model 3000	4.5

[Lawn Spreader Settings continued]

Ortho Broadcast Spreader Model 4000	4.5
J.C. Penney Model 600.	7.25
J.C. Penney Rotary Spreader	5
Scott Precision Flow Spreader Model PF-4	4
Sears Craftsman Model 671.19198	6

**LAWN SPOT APPLICATION: Ants, Digger Wasps:**

Ants: Apply 1-1/2 teaspoons of Kill-A-Bug XXIII over and around each ant hill.

Fire ants: To aid in the control of fire ants in lawns and other recreational areas, apply 1/2 cup over and 2 tc. around, each fire ant mound. Immediately after application water in thoroughly. Apply gently to avoid disturbing ants. Use of high pressure water equipment may disturb the ants and cause migration, reducing product effectiveness. A minimum of 1 gallon of water should be applied to each mound area. Reapply as necessary.

Note: For best results, apply in cool weather, 65-80°F, or in early morning or late evening hours. Works within 24 hours. No waiting for days or weeks. Treat new mounds as they appear.

Digger wasps: Apply 1-1/2 teaspoons of Kill-A-Bug XXIII in and around each nest opening. Apply at dusk when wasps are not active.

**Band Treatment Around House Foundation:** The following pests are commonly found around or near foundations of houses as well as in lawns. Certain of these pests may enter houses:

Ants	Fleas
Brown dog ticks	Millipedes
Clover mites	Sowbugs (Pillbugs)
Crickets	Springtails (Collembola)
Earwigs	

Apply a 5-foot band of Kill-A-Bug XXIII next to the house foundation. Distribute granules uniformly, using a rate of 3.2 oz. for each 100 sq. ft. of area (5' by 20') treated. Repeat as necessary.

**VEGETABLES - INSECT CONTROL:**

Kill-A-Bug XXIII controls certain garden insects on crops listed below. Apply uniformly as directed for each crop. When a range of rates is given, use the higher rate only for heavier infestations. Do not apply this product to food crops grown in greenhouses. Unless directions under "Timing/Special Directions" state otherwise, applications for control of pests listed below should be thoroughly mixed into the soil during or immediately after application.

Insect	Depth of Mixing or Incorporation into Soil
Surface cutworms*	2-3 inches
Subterranean cutworms*	3-6 inches
Mole crickets	1-2 inches
Root maggots	3-4 inches
Wireworms	4-8 inches

\*If type of cutworm cannot be identified, mix into soil 4-6 inches deep.

CROP	PEST	RATE PER 500 SQ. FT.	TIMING/SPECIAL DIRECTIONS
Beans (Lima, Pole or Snap) (succulent only)	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
NOTE: Do not use on dried bean varieties such as pintos, dried limas, navy beans, etc.			
Beets, Red (Table)	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
	Mole Crickets	3.5 oz.	Broadcast and mix into soil 1-2 days before planting.
Broccoli	Root Maggots	7-10.5 oz.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	7-14 oz.	
	Wireworms	10.5-14 oz.	
	Mole Crickets	3.5 oz.	

CROP	PEST	RATE PER 500 SQ. FT.	TIMING/SPECIAL DIRECTIONS
Brussels Sprouts	Root Maggots	7-10.5 oz.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
	Mole Crickets	3.5 oz.	Broadcast and mix into soil 1-2 days before planting.
Cabbage	Root Maggots	7-10.5 oz.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
	Mole Cricket	3.5 oz.	Broadcast and mix into soil 1-2 days before planting.
Carrots	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
	Mole Crickets	3.5 oz.	Broadcast and mix into soil 1-2 days before planting.
Cauliflower	Root Maggots	7-10.5 oz.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
	Mole Crickets	3.5 oz.	Broadcast and mix into soil 1-2 days before planting.
Celery	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
Collards	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
	Mole Crickets	3.5 oz.	Broadcast and mix into soil 1-2 days before planting.



CROP	PEST	RATE PER 500 SQ. FT.	TIMING/SPECIAL DIRECTIONS
Cucumber	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
Endive (Escarole)	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
	Mole Crickets	3.5 oz.	Broadcast and mix into soil 1-2 days before planting.
Kale	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
	Mole Crickets	3.5 oz.	Broadcast and mix into soil 1-2 days before planting.
Lettuce	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
	Mole Crickets	3.5 oz.	Broadcast and mix into soil 1-2 days before planting.
Melons (Cantaloupes, Casabas, Crenshaws Honeydew, Muskmelons, Persians and Hybrids or these) and Water-melons	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
Mustard	Mole Crickets	3.5 oz.	Broadcast and mix into soil 1-2 days before planting.
Onions (Bulb and Green)	Onion Maggots	7-14 oz.	Broadcast just before planting and mix into the top 3-4 inches of soil. <del>NOTE</del> Diazinon may not control organophosphate-resistant onion maggots.
	Wireworms	10.5-14 oz.	Broadcast and mix into soil just before planting.
Parsley	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	

CROP	PEST	RATE PER 500 SQ. FT.	TIMING/SPECIAL DIRECTIONS
Peas (Succulent Only)	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
NOTE: Do not use on dried pea varieties s as dried blackeyed peas.			
Peppers	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
	Mole Crickets	3.5 oz.	Broadcast and mix into soil 1-2 days before planting.
Potatoes	Cutworms (Surface and subterranean)	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
Radishes	Mole Crickets	3.5 oz.	Broadcast and mix into soil 1-2 days before planting.
Spinach	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
Squash, Summer and Winter	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
Sweet Corn	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	7-14 oz.	
	Seed Corn Maggots	7-14 oz.	Broadcast and mix into soil 2 in. just before planting.
Sweet Potatoes	Wireworms	10.5 oz.	Broadcast and mix into soil just before planting.
	Flea Beetles	10.5 oz.	
Swiss Chard	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	

CROP	PEST	RATE PER 500 SQ. FT.	TIMING/SPECIAL DIRECTIONS
Tomatoes	Cutworms	7-14 oz.	Broadcast and mix into soil just before planting.
	Wireworms	10.5-14 oz.	
	Mole Crickets	3.5 oz.	Broadcast and mix into soil 1-2 days before planting.
Turnips	Mole Crickets	3.5 oz.	Broadcast and mix into soil 1-2 days before planting.
	Wireworms	10.5-14 oz.	Broadcast and mix into soil just before planting.

**STORAGE:** Store in original bag in a cool, dry, well-ventilated place (preferably locked) inaccessible to children and pets and away from moisture or excessive heat. Do not store near fertilizers, herbicides, other pesticides, seeds, food or feed. **DISPOSAL:** Do not reuse empty bag. Wrap bag in newspaper and put in trash collection.

#### PRECAUTIONARY STATEMENTS

##### Hazards to Humans & Domestic Animals

**CAUTION:** Harmful if swallowed or absorbed through skin. Causes moderate eye injury. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating or smoking. Do not store near food or feed products. Food utensils such as spoons or measuring cups must not be used for food purposes after use in measuring pesticides. Do not contaminate ornamental fish ponds. Do not allow children or pets on treated areas until granules have been watered into the soil and the grass or soil is dry.

##### Statement of Practical Treatment

**If Swallowed:** Call a physician immediately. Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing. **If Inhaled:** Remove person to fresh air and apply artificial respiration if indicated. **If On Skin:** Wash promptly with soap and water. Rinse thoroughly. Get medical attention. **If In Eyes:** Rinse eyes with plenty of water and call a physician immediately. **NOTE TO PHYSICIAN:** This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered but only in conjunction with atropine.

**Environmental Hazards**

This product is highly toxic to birds, fish and other wildlife. Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, NY between 11/1 and 5/20. Do not exceed maximum permitted label rates. Application rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping granules. For lawns, where irrigation (watering) is recommended in the directions or if waterfowl, i.e. ducks or geese, can be expected in the treated area after treatment (except spot treatment), water lawn with at least 1/4 inch of water immediately after applying this product, however, stop watering before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab and other aquatic life are important resources. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters.

**LOUISIANA CHEMICAL USA, INC.**

8993 Airline Highway  
Baton Rouge, LA 70815

EPA Reg. No. 11746-EU

EPA Est. 11746-LA-1

KILL-A-BUG is a registered trademark of Louisiana Chemical USA, Inc.