

PM 18

8845-48

1 of 5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

AUG 16 1993

Ms. Kathie Tryson  
Regulatory and Consumer Affairs  
Spectrum Group  
Division of United Industries  
P.O. Box 15842  
St. Louis, MO 63114

Subject: Bag-A-Bug Japanese Beetle Trap  
Label Amendment and Revised CSF Submitted 6/22/92  
EPA Registration Number: 8845-48

Dear Ms. Tryson:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records. On December 16, 1991, the Agency approved the use of an alternate brand of Spectracide Japanese Beetle Trap. Please submit labeling for the alternate brand name.

Sincerely,



Phil Hutton  
Product Manager 18  
Insecticide-Rodenticide Branch  
Office of Pesticide Programs

Enclosure

\* Labeling

CONCURRENCES

SYMBOL	1845-48						
SURNAME	[Signature]						
DATE	6/22/92						

**BEST AVAILABLE COPY**

Bag-a-Bug® Japanese Beetle Trap box

## **Bag-a-Bug Japanese Beetle Trap**

- Treats over a 5,000 sq. ft. area
- Traps over a 5,000 sq. ft. area
- Draws Japanese beetles away from valuable ornamentals, flowers, and shrubs into the trap
  - Helps to protect roses, grapes, fruit trees and vegetables
- No killing agent to damage the environment
  - No killing agent
- Will not attract animals, birds or beneficial insects
  - Does not harm beneficial insects
- Lasts for the entire season

INGREDIENTS: SEX-LURE — Active Ingredient: (R,Z)-5-(1-Decenyl) dihydro-2-(3H)-furanone 0.47%. Inert Ingredients: 99.53%. Contains 1 mg. of the active ingredient. Net Weight: 0.008 oz. (0.2 grams); FLORAL LURE — Active Ingredients: Phenylethyl Propionate (PEP) 0.84%, Geraniol 9.84%, Eugenol 23.00%. Inert Ingredients: 57.32%. Each floral lure packet contains one 4.5 sq. in. dispenser containing 0.96 grams PEP, 0.96 grams Geraniol and 2.24 grams Eugenol. Minimum Net Weight: 0.34 oz. (9.7 grams).

**KEEP OUT OF THE REACH OF CHILDREN  
CAUTION**

See enclosed pamphlet for directions and precautionary statements. Read directions and precautionary statements before use.

## **Bag-a-Bug Japanese Beetle**

TRAPS 5 TIMES MORE BEETLES THAN S  
BEETLES STRIKE VANE, FALL INTO

SEX LURE: Attracts male beetles

FLORAL LURE: Attracts male and female b

DISPOSABLE BAG: Prevents messy clean

Contents: • One set of inter-locked vanes.  
• Two trap bags. • One sex lure.

**Directions for Use:** It is a violation of F  
product in a manner inconsistent with its label  
See enclosed pamphlet for directions and pr  
Read directions and precautionary statements

### **STORAGE AND DISPOSAL**

Store in a cool dry place until used. Do not c  
or feed by storage or disposal. Do not reuse  
bait before disposing in trash.

### **PRECAUTIONARY STATEMENT**

**Hazards to Humans and Domestic**

**CAUTION:** Do not open protective pouch  
contact with skin and eyes. Wash hands th  
water after handling. If irritation occurs seek

**NOTICE:** Buyer assumes all responsibility for safety ar  
directions.

Questions or comments? Call toll free 800-332-5553

Manufactured in the U.S.A. for

Spectrum Group

Division of United Industries Corporation

St. Louis, MO 63114-5842

EPA REG. NO. 8845-48

EPA EST. NO. 9688-MO-1

**Sex Lure for  
Bag•a•Bug  
Japanese Beetle Trap**

**Tear Here**

**Controlled Release Strip**

Contains 1 mg. of the Active Ingredient (R,Z)-5-(1-Decenyl) dihydro-2-(3H)-furanone.

Keep Out of Reach of Children

**CAUTION**

**Floral Lure for  
Bag•a• Bug Japanese Beetle Trap**

**Draws Japanese beetles away from valuable  
ornamentals, flowers, and shrubs and into the  
Japanese Beetle trap!**

**Active Ingredients:**

Phenylethyl Propionate (PEP) .....	9.84%
Geraniol .....	9.84%
Eugenol .....	23.00%
Inert Ingredients .....	57.32%

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

Read directions and precautionary statements before use

**ACCEPTED  
with COMMENTS  
by EPA Letter Dated**

**AUG 16 1993**

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

**5845-78**

throughout the eastern United States. The adult beetle infests and destroys over 300 species of plants including fruits, vegetables, and flowers as well as a wide variety of valuable ornamental trees and shrubs.

## LIFE CYCLE

In early summer, when virgin female beetles first emerge from the ground, they are immediately ready for mating with male beetles. As each female emerges she gives off an extremely small amount of a distinctive scent. This sex attractant is carried downwind until it is picked up by male beetles who then follow it upwind to locate and mate with her.

After mating, female beetles lay their eggs in lawns and grassy areas. Shortly thereafter grubs hatch in the soil and pass through several larval stages throughout the remaining summer months. During this period the grubs may cause extensive damage by feeding on the roots of turf and valuable plants. This damage is usually noticed as large brown spots in lawns, and wilted plant life. With the approach of winter, the grubs dig down and winter over below the frost line. The following year adult beetles emerge from lawns in early summer to mate, feed and continue their destructive life cycle.

## FLORAL LURE AND SEX LURE

Use of the Japanese beetle's natural sex attractant for trapping is an ideal method to aid in the control of the insect through its own natural biology. It provides a means compatible with the environment and also helps avoid the indiscriminate use of harmful chemicals. The natural sex attractant, when used together with a proven floral lure, can attract from two to five times as many beetles as the commonly available floral lure alone.

This dual bait uses the latest in controlled release technology for maximum drawing power and convenience to the user. An exact copy of the natural sex attractant is contained in a controlled release strip with a release rate that approximates that of the female beetle. Also included is a proven floral lure contained separately in a convenient pack. Together, both baits provide a normal season's supply of the most effective Japanese beetle bait system available on the market today.

## NUMBER OF TRAPS NEEDED

For maximum effectiveness, use the suggested number of traps below:

Suggested # of Traps	Size of Use Area
1	Less than 1/8 acre
2	1/8 to 1/4 acre
3	1/4 to 1/2 acre
4	1/2 acre
•	Over 1/2 acre

\* 1 trap every 150 to 200 feet along perimeter

## TRAP ASSEMBLY/OPERATION

### 1. BAIT ATTACHMENT

Open floral lure packet. Slide lure horizontally into the slots on yellow vanes, as shown in Figure 1.

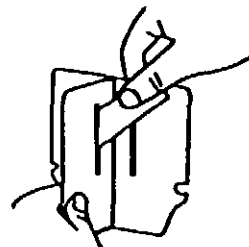


Figure 1

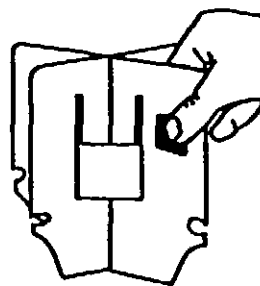


Figure 2

Remove the sex lure strip from its plastic pouch. Peel off the protective backing covering the adhesive side. Attach the strip by pressing the pressure-sensitive adhesive side of the tape against the vane surface, as shown in Figure 2.

### 2. BAG ATTACHMENT

Attach one of the disposable trap bags onto the yellow vane assembly as shown in Figure 3. Gently push a small slit on the open end of the bag over each of the hooks on the vanes. Be careful not to tear or stretch the slits. Drop a few small pebbles into the bag to stabilize the trap.

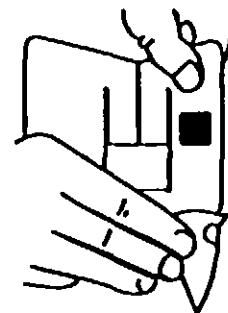


Figure 3

### 3. HANGER ATTACHMENT

Insert about 3" of the green trap hanger tie through the two holes in the top of the vane assembly as shown in Figure 4. Twist the tie to secure the trap.



Figure 4

(Continued on reverse side)

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#### 4. TRAP PLACEMENT

To be most effective, the trap should be located about 30 feet downwind of foliage to intercept beetles heading toward it. Do not place the trap near or in the foliage as it will attract more beetles into it (see Figure 5).

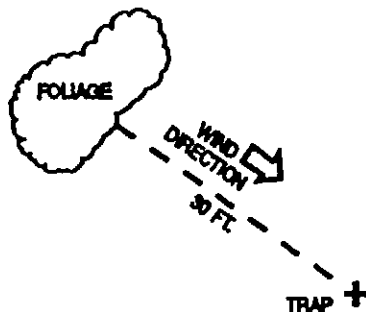


Figure 5

Hang the trap by its green hanger tie from any convenient post, stake or the optional stand available. The bottom of the bag should be at least a foot above the ground, and the trap free to move in the wind without hitting any obstructions (see Figure 6). The trap should be hung where it is inaccessible to small children.



Figure 6

#### 5. PERIODICALLY CHECK TRAP

The majority of beetles will be caught during their highest flight activity period. This is normally on sunny days with temperatures between 70° to 95°F and from about 10:00 a.m. to 3:30 p.m.

Check the bag occasionally and replace it when the lower portion becomes full of beetles. Change the bags every four to five days to avoid the possibility of repelling beetles due to odor of dead beetles.

Inspect the bag after rainstorms. If the drain holes along the bottom of the bag become clogged, gently clear them using a toothpick or pencil point or replace bag.

**NOTE:** Remove trap to a protected area during heavy rain or wind.

#### 6. DISPOSE OF BAG WHEN FULL

Seal the filled bags by knotting the top funnel portion. Under normal circumstances, the beetles trapped in the bag will die after several hours in the heat and sun. Bags containing dead beetles should be promptly placed in the trash. Live beetles can be killed by leaving sealed bags in the sun for awhile before disposal.

**IMPORTANT:** Make sure beetles are dead before disposal.

#### 7. BAIT DISPOSAL AND REPLACEMENT

##### a) DISPOSAL

Wrap bait before disposing in trash.

##### b) REPLACEMENT OF LURES

**SEX LURE** - Sexual activity of the Japanese beetle is greatest during the early part of the season, beginning in June in southern states, and July in northern states. The sex lure contains sufficient natural Japanese beetle sex attractant for this period. For maximum effectiveness trap use should begin as early in the season as possible.

**FLORAL LURE** - Under ordinary weather conditions, the floral lure should be effective for about twelve weeks. It should be replaced after this period or when its floral aroma is no longer readily noticeable.

**NOTE:** If the bait system appears to lose its effectiveness too quickly, this may be due to a repellent odor. See Step 5 under TRAP USE above.

#### 8. PROBLEMS THAT MAY OCCUR

##### a) BAIT NO LONGER ATTRACTS BEETLES

- Few beetles in area
- Repellent effect of dead beetles. See Step 5
- Lure pack and/or sex lure unopened or uninstalled.

##### b) BEETLES EATING FOLIAGE/FLOWERS AFTER SETTING TRAP

- Remove trap from immediate vicinity of foliage.

##### c) BEETLES ESCAPING THROUGH BAGS

- Animal Damage
- Bags are often attacked and damaged at night by nocturnal animals (skunks, cats, etc). Replace damaged bag. Bring trap inside each night to prevent future damage.

#### STORAGE AND DISPOSAL

Store in a cool dry place until used. Do not contaminate water, food, or feed by storage or disposal. Do not reuse empty container. Wrap bait before disposing in trash.

#### PRECAUTIONARY STATEMENTS

##### Hazards to Humans and Domestic Animals

**CAUTION:** Do not open protective pouch until ready to use. Avoid contact with skin and eyes. Wash hands thoroughly with soap and water after handling. If irritation occurs seek medical attention.

**NOTICE:** Buyer assumes all responsibility for safety and use not in accordance with directions.

Questions or comments? Call toll-free 800-332-5553 weekdays 9-5 Central Time.

Manufactured for in the U.S.A. for Spectrum Group, Division of United Industries Corporation, St. Louis, MO 63114-5842

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