



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 3, 2015

Julie Porter
Regulatory Product Manager
AMVAC Chemical Corp.
4695 MacArthur Court, Suite 1200
Newport Beach, CA 92660

Subject: Label Amendment: Adding broadcast application instructions for corn & soybean
Product Name: Deadline Bullets
EPA Registration Number: 5481-507
Application Date: July 29, 2014
Decision Number: 493693

Dear Ms. Porter:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Marianne Lewis by phone at (703) 308-8043, or via email at lewis.marianne@epa.gov.

Sincerely,

A handwritten signature in blue ink, appearing to read "Venus Eagle", followed by a horizontal line.

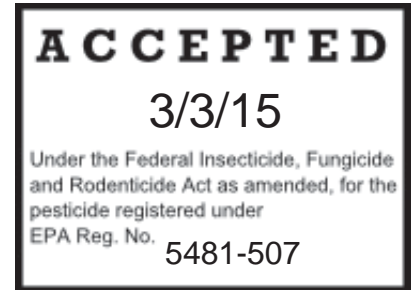
Venus Eagle, Product Manager 01
Invertebrate and Vertebrate Branch 3
Registration Division (7505P)
Office of Pesticide Programs

Attachment

Deadline® Bullets

(Deadline Bullets (PBN) Language Only)

- Destroys Slugs and Snails
- Contains a Patented formula! Patent No. 4,961,929
- Long Lasting: Remains effective after rain and watering
- Effective for attracting and destroying slugs and snails
- Long Lasting: Resistant to rain and watering.
- Not easily dissipated by water
- One Last Meal for Slugs and Snails



(Deadline M-Ps Mini-Pellets (ABN) Language Only)

Mini-Pellets! ONE LAST MEAL FOR SLUGS & SNAILS

EFFECTIVE

DEADLINE M-Ps excel at attracting and destroying slugs and snails.

LONG LASTING

Remains effective after rain and watering. DEADLINE M-Ps are not easily dissipated by water.

IMPROVED COVERAGE

Five times the number of bait particles compared to regular size pellets.

(Language for Both Labels)

ACTIVE INGREDIENT:

Metaldehyde (2,4,6,8-Tetramethyl- 1,3,5,7-Tetraoxycyclo-octane).....4.0%

INERT INGREDIENTS:..... 96.0%

TOTAL: 100.0%

KEEP OUT OF REACH OF CHILDREN

CAUTION - CUIDADO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

(If you do not understand this label, find someone to explain it to you in detail.)

FIRST AID	
If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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.
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 inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or ambulance, then give artificial respiration, preferable mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
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EMERGENCY INFORMATION

Seek medical care as soon as possible after exposure. For incidents involving animals, seek veterinary care as soon as possible after exposure. **Have the product container or label with you when calling a poison control center or doctor or veterinarian, or going for treatment.**

FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:

For Medical Emergencies phone:.....1-888-681-4261
 For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC.....1-800-424-9300
 For Product Use Information phone : AMVAC.....1-888-462-6822

Metaldehyde is a systemic toxin. There is no antidote. The following instructions are not intended for laypeople. There is no home treatment. Exposed individuals and animals should receive emergency care as quickly as possible.

NOTE TO PHYSICIAN: Dust inhalation is usual route of accidental exposure; the product is rarely ingested. Treatment is symptomatic and supportive. Monitor severe exposures closely: seizures, electrolyte imbalances, acidosis, dehydration, and increased body temperature have been reported.

NOTE TO VETERINARIAN: Animals typically are exposed via ingestion. Treatment is symptomatic and supportive. If significant ingestion is suspected, and the animal is asymptomatic, consider induction of emesis or gastric lavage and administration of activated charcoal, cathartic and enema to limit absorption. Monitor asymptomatic and symptomatic animals closely. Treat seizures, electrolyte imbalances, acidosis, dehydration, and increased body temperature. Monitor liver function post recovery.

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

EPA Reg. No. 5481-507
 EPA Est. No. 5481-XX-XXX

Net Weight:
 As Marked on Container



PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals

IMPORTANT: This product can be harmful to children and fatal to domestic animals when ingested. Children and dogs may be attracted to the product. Application of this product is prohibited unless children and domestic animals can be excluded from the treated area from the start of the application until applied material is no longer visible.

CAUTION: Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Avoid breathing dust.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators and other handlers must wear:

- Long sleeved shirt and long pants
- Shoes plus socks
- Chemical resistant gloves (such as or made out of any waterproof material, selection category A)

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

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [(CFR 40 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to mollusks (e.g., clams, oysters, scallops, mussels). Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate. This pesticide is toxic to birds and mammals. Granules on soil surface may be hazardous to terrestrial wildlife. Cover or collect any such materials spilled during loading.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation. 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.

This product is intended solely for use on agricultural crops grown for commercial or research purposes, and in State and/or Federal invasive mollusk eradication operations. This product may not be applied to residential sites (i.e., in yards, gardens, around homes and apartments) and other sites such as the exterior areas around schools and daycare facilities, and athletic fields, playgrounds, parks, recreation areas, etc.

Broadcast applications and applications of this product directed to plant parts are prohibited except to grass grown for seed, taro, corn, soybean, and as specified for use in State and/or Federal invasive mollusk eradication operations.

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, 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 users 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. Exception: if the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allow workers to enter the treated areas without restriction if there will be no contact with anything that has been treated.

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
- Shoes plus socks
- Chemical-resistant gloves made of any waterproof material

For State &/or Federal Invasive Mollusk Eradication Operations

This product may be used only on the following use-sites in response to State and/or Federal invasive mollusk eradication operations.

Broadcast applications of this product may be made to the following use-sites for State and/or Federal invasive mollusk eradication operations: fallow land; barrier strips; uncultivated non-agricultural areas; recreational areas; non-food or non-feed brush; weed or dense vegetative areas; railroad, pipeline, highway, power and telephone rights of way and roadsides; guardrails and fences; lumberyards; storage areas; seaports; industrial facility sites, including yards and walkways around industrial buildings, parking areas, parks, golf courses, other public areas; and airport and similar industrial non-crop areas.

This product may be applied for State and/or Federal invasive mollusk eradication operations at an individual application rate of no more than 2 lb. a.i./A (50 lbs Deadline Bullets per acre) and at no more than six applications/year.

RESTRICTIONS

- This product is intended solely for use on agricultural crops grown for commercial or research purposes, and in State and/or Federal invasive mollusk eradication operations.
- This product may not be applied to residential sites (i.e., in yards, gardens, around homes and apartments) and other sites such as the exterior areas around schools and daycare facilities, and athletic fields, playgrounds, parks, recreation areas, etc.
- Wide area broadcast applications and applications of this product directed to plant parts are prohibited except to grass grown for seed, taro, corn and soybean and as specified for use in State and/or Federal invasive mollusk eradication operations.
- Do not allow bait pellets to come in contact with plant parts except to grass grown for seed, taro, corn, soybean, and as specified for use in State and/or Federal invasive mollusk eradication operations.
- Use only as a baiting treatment to be applied directly to the soil area beneath listed plants except to grass grown for seed, taro, corn, soybean and as specified for use in State and/or Federal invasive mollusk eradication operations..
- Read entire label before using.
- Use as band treatment between rows except to grass grown for seed, taro, corn, soybean and as specified for use in State and/or Federal invasive mollusk eradication operations..
- Do not re-water for 48 hours after application.
- Apply any time of day, but evening applications are preferred.
- Do not use in or around Hanalei, Kaua'i (USFW Refuge)

APPLICATIONS

Apply as a soil surface treatment. Use a band treatment between the plant rows. Apply around the crops listed below to protect from slugs and snails.

Conversion table for application of product to various size areas	
5 – 12 Pellets / sq. ft.	= 3.6 – 7.2 oz / 1000 sq. ft. = ½ - 1 cup / 1000 sq. ft. = 1 – 2 lb. / 4400 sq. ft. =10 – 20 lbs. / acre

Apply this product in areas likely to be infested at the beginning of the planting season before damage occurs and during periods of damp weather. The maximum number of applications allowed per season are listed below with each crop. For best results, apply in evening. Especially beneficial if applied following rain or watering since slugs and snails will not crawl over dry soil. Apply every 3 to 4 weeks during growing season, or as needed.

Prior experience has shown most plants are not sensitive to Deadline Bullets. However, for extremely tender plants such as orchids, it is suggested to do a small test application to determine any plant sensitivity before making applications to plants.

For use on ornamentals, artichokes, blueberries, caneberries, strawberries, lettuce, cole crops and listed leafy greens, mint, and tomatoes apply in a band, between rows and/or directed towards base of the plants, by hand or with commercial application equipment designed for banded application of granular products.

For corn and soybeans, broadcast or ground directed applications are allowed.

For use on citrus, apply in a band under tree canopy, by hand or with commercial application equipment designed for banded application of granular products.

Crop	Maximum Single Application Rate (lbs/Product/A)	Total number of applications per season	Re-application Interval (days)	Preharvest Interval
Artichokes (Perennial)	25	6	18	0
Artichokes (Annual)	25	2	18	0
Citrus	25	6	14	0
Tomatoes	25	3	14	0
Tomatoes, Lettuce, Cole Crops, and the following Leafy Greens (broccoli, Brussels sprouts, cabbage, cauliflower, cavalo, broccolo, collards, kale, kohlrabi, mizuna, mustard greens, spinach, rape greens).	25	3	14	0
Berries¹	20	3	14	0
Strawberries	25	3	14	0
Ornamental Plants²	25	6	21	0
Prickly Pear Cactus	20	3	30	0
Grass (Forage and Hay)	20	4	14	21
Mint (Peppermint, Spearmint, and their Oils)	25	4	21	1
Celery, Rhubarb, Swiss chard, Chinese Celery, Celtuce, Cardoon, and Florence Fennel	25	4	21	1
¹ Caneberries (bingleberry; raspberry, red and black; wild raspberry; blackberry; loganberry; boysenberry, dewberry; lowberry; marionberry; olallieberry; youngberry; Bushberries (aronia berry; blueberry; buffalo currant; Chilean guava; currant; black and red; elderberry; European barberry; gooseberry; cranberry; honeysuckle; huckleberry; jostaberry; juneberry; lingonberry; salal; sea buckthorn; Berry - low growing (bearberry; bilberry; blueberry; cloudberry; cranberry; muntries; partridgeberry). ² Including ornamentals in greenhouses, hoopouses, and other indoor ornamentals production facilities, as well as outdoor commercial production of ornamental plants.				

The uses listed below allow broadcast application.

Crop	Growth Stage¹	Maximum Single Application Rate (lbs/Product/A)	Total number of applications per season³	Re-application Interval (days)	Preharvest Interval	Application Information
Corn (field)	Up to V8	25	3	7	0	Broadcast or Ground directed
Corn (field)	V-8 - VT	25	3	7	0	Ground directed only
Soybean ²	Up to V4	10	3	7	0	Broadcast or Ground directed
Soybean ²	V4-R1	10	3	7	0	Ground directed only

¹Growth stages are according to the Iowa State University Crop Guides:

Corn - <http://www.agronext.iastate.edu/corn/docs/corn-field-guide.pdf>.

Soybeans - http://extension.agron.iastate.edu/soybean/production_growthstages.html

²Only for use in the following states: Alabama, Arkansas, Connecticut, Delaware, Georgia, Louisiana, Maine, Maryland, Massachusetts, Mississippi, North Carolina, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Vermont, Virginia. Livestock may not graze in the treated fields. Applications must be completed prior to pod formation.

³The maximum number of application per crop per season is 3.

Crop	Maximum Single Application Rate (lbs/Product/A)	Total number of applications per season	Re-application Interval (days)	Preharvest Interval
Grass (grown for seed)	20	4	21	21
Taro (wetland)¹	25	7	35	7

¹Broadcast application to be made under flooded conditions only. Prior to bait application, stop the water flow into and out of the lo'i (paddies) to be treated; water level should be high enough such that apple snails don't estivate. Apply the bait and hold/impound the water for a minimum of 3 days before allowing water to exit the lo'i. Do not apply more than one application per held/impounded water. If the water level in the lo'i becomes too low within the 3 day holding period (due to faster percolation of water through the soil), such that apple snails begin to estivate, allow additional water into the lo'i.

STORAGE AND DISPOSAL

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

Pesticide Storage: This product can be harmful to children and fatal to dogs and other domestic animals if ingested. Dogs have been known to ingest metaldehyde after opening or tearing the packaging. Store this product in its original packaging, in a cool, secure location, and out of reach of children or pets.

Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. When completely empty, offer for recycling, if available or then dispose of empty bag in a sanitary landfill, or by incineration.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

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