

□ • BASF

The Chemical Company

Department of Agriculture
STATE OF HAWAII
LICENSED
4/11/2012
PERIOD 2012-2014 LIC. NO.
9131.158

Altrevin™ 

FIRE ANT BAIT • INSECTICIDE

For control of fire ants in citrus orchards, tree nut orchards and grape vineyards

For control of fire ants in nonbearing stone & pome fruit orchards and in nurseries containing nonbearing container- or field-grown stone and pome fruit tree stock

Active Ingredient:

Metaflumizone* (CAS No 139968-49-3):..... 0.063%

Other Ingredients:..... 99.937%

Total:..... 100.000%

*(E/Z)-2-[2-(4-cyanophenyl)-1-[3-(trifluoromethyl)phenyl]ethylidene]-N-[4-(trifluoromethoxy)phenyl]hydrazinecarboxamide

EPA Reg. No. 7969-270

EPA Est. No. 51036-GA-001

**KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCION**

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.)

See inside for complete **First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty**, and state-specific crop and/or use site restrictions.

In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).

Net Contents: 15 pounds

Product of U.S.A.

BASF Corporation
26 Davis Drive
Research Triangle Park, NC 27709

81045559
NVA 2012-05-309-0061

FIRST AID

If on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 to 20 minutes.• Call a poison control center or doctor for 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 the 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 eyes open and rinse slowly and gently with water for 15 to 20 minutes.• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eyes.• Call a poison control center for treatment advice.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact BASF Corporation for emergency medical treatment information: 1-800-832-HELP (4357).

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Harmful if absorbed through skin. Harmful if swallowed. May cause moderate eye irritation. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators or other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves (such as rubber or waterproof gloves)
- Shoes plus socks

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.

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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Metaflumizone has the potential to bioaccumulate in aquatic and terrestrial organisms, and may affect the reproduction of birds, mammals, reptiles, and amphibians if not used in accordance with the label directions and restrictions. **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 water adjacent to treated areas. Cover, clean up, or incorporate granules that are spilled. Keep spilled granules out of all sewers and open bodies of water. **DO NOT** apply this product directly to bodies of water such as lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, or commercial fishponds. **DO NOT** contaminate water when disposing of equipment washwaters.

FOR BROADCAST APPLICATIONS

DO NOT make broadcast application within 15 feet of perennial fresh water bodies, including lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, and commercial fishponds. When it is necessary to treat active fire ant mounds within the 15-foot buffer zone, make individual mound treatments (as described in the **Application Instructions** below).

DO NOT make broadcast application within 60 feet of estuarine water bodies (brackish water), including tidal water such as bays, mouths of rivers, salt marshes, and lagoons. When it is necessary to treat active fire ant mounds within the 60-foot buffer zone, make individual mound treatments (as described in the **Application Instructions** below).

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. **DO NOT** apply this product by any method not specified on this label.

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.

Keep unprotected persons out of treated area during pesticide applications.

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 and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific statements on this label about personal protective equipment (PPE) 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 worker entry into treated areas during the restricted-entry interval (REI) of **12 hours**.

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
- Waterproof gloves
- Shoes plus socks

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Pesticide Storage

Store in cool, dry, secure place and keep container tightly closed. Store container away from children and pets. This product is formulated in an oil bait. Prolonged exposure to air may turn oil rancid and reduce the attractiveness of the bait. Use within 3 months after opening.

Pesticide Disposal

Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Handling

(for plastic containers)

Nonrefillable Container. DO NOT reuse or refill this container. After completely emptying container into application equipment, offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

(for paper or plastic bags)

Nonrefillable Container. DO NOT reuse or refill this container. After completely emptying container into application equipment, dispose of empty bag in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Consult federal, state, or local disposal authorities for approved alternative procedures.

In Case of Spill:

In case of large-scale spillage regarding this product, call:

CHEMTREC 1-800-424-9300
BASF Corporation 1-800-832-HELP (4357)

Steps to be taken in case this material is released or spilled:
Sweep up and place in a suitable container for disposal or use according to label directions.

Remove contaminated clothing and wash affected skin areas with water. Wash clothing before reuse.

Keep spills out of all sewers and open bodies of water.

PRODUCT INFORMATION

Altrevin™ Fire Ant Bait Insecticide is an insecticidal bait for fire ant control. **Altrevin** is highly attractive to imported and native fire ants (*Solenopsis* spp.). Worker ants find the bait and carry it into the mound as food for the colony. The bait is eaten, fed to the queen, and the mound is destroyed. Further information regarding fire ants may be obtained from your cooperative agricultural extension service.

Specific Use Sites

Altrevin can be applied as a soil treatment in orchards and nurseries containing citrus and nut trees.

- Citrus trees (citrus and *Fortunella* spp.) including calamondin (*Citrus mitis* x *Citrofortunella mitis*), citrus citron (*Citrus medica*), citrus hybrids (*Citrus* spp.) (includes chironja, tangelo, tangor), grapefruit (*Citrus paradisi*), kumquat (*Fortunella* spp.), lemon (*Citrus jambhiri*, *Citrus limon*), lime (*Citrus aurantiifolia*), mandarin (tangerine) (*Citrus reticulata*), orange, sour (*Citrus aurantium*), orange, sweet (*Citrus sinensis*), pummelo (*Citrus grandis*, *Citrus maxima*), and satsuma mandarin (*Citrus unshiu*)

- Nut trees including almond (*Prunus dulcis*), beech nut (*Fagus* spp.), brazil nut (*Bertholletia excelsa*), butternut (*Juglans cinerea*), cashew (*Anacardium occidentale*), chestnut (*Castanea* spp.), chinquapin (*Castanea pumila*), filbert (hazelnut) (*Corylus* spp.), hickory nut (*Carya* spp.), macadamia nut (bush nut) (*Macadamia* spp.), pecan (*Carya illinoensis*), and walnut, black and English (Persian) (*Juglans* spp.)

Altrevin can be applied as a soil treatment in grape vineyards.

Altrevin can be applied as a soil treatment in orchards and nurseries containing field or container grown nonbearing only stone and pome fruit trees:

- Apple, pear, apricot, cherry, nectarine, peach, and plum.

Application to the soil around nonbearing stone and pome fruit trees is permitted up to one (1) year before the first harvest. **DO NOT** apply to the soil around nonbearing stone and pome fruit trees more than four (4) times per year.

APPLICATION INSTRUCTIONS

Apply **Altrevin** at the first sign of fire ant activity. For best results, apply **Altrevin** in the early morning or late afternoon when ants are most active. Fire ants are most active when temperatures are above 60° F. **DO NOT** apply when the ground is saturated with water, heavy dew, or when heavy rains are expected within 48 hours. **DO NOT** water-in granules after application. Wait at least 48 hours after application before irrigating treated area. For best results, allow 7 days between bait application and use of a contact insecticide on the bait-treated area.

Broadcast Treatments

Note: Broadcast treatment is only for use in areas having a mound density of at least 1 mound per 2000 square feet (e.g. 40 X 50 ft area). Inspect the treatment area to ensure that conditions warrant a broadcast application of **Altrevin** over the entire area. It is often not necessary to broadcast fire ant bait over an entire area. Individual mound treatments or spot treatments in the areas where fire ants are in greatest concentration may be sufficient.

For broadcast treatment, make application with broadcast equipment capable of applying 1.5 pounds per acre. Calibrate and adjust equipment prior to application to ensure that the proper rate of product will be applied. Retreat after 4 to 8 weeks if needed. **DO NOT** exceed 6.0 lbs/acre or 4 applications in a one (1) year period.

For Individual Mound Treatments and Container-grown Plants

DO NOT disturb the mound. **DO NOT** apply to top of mound. Apply 1 to 2 ozs (2 to 4 level tablespoons) of **Altrevin™ Fire Ant Bait Insecticide** per mound, uniformly distributing the product 3 to 4 feet around the mound. Retreat after 4 to 8 weeks if needed.

Application Rates

Treatment	Use Rate	Comments
For Individual Mounds and Container-grown Plants: Imported and native fire ants	1.0 to 2.0 ozs (2 to 4 TBSF)	Distribute bait uniformly around the perimeter of the mound. DO NOT disturb the mound during application.
Broadcast: Imported and native fire ants	2.0 to 3.0 ozs/5000 sq ft 1.0 to 1.5 lbs/acre	Broadcast bait uniformly using properly calibrated equipment.

REAPPLICATION INSTRUCTIONS

Altrevin may provide control for up to eight (8) weeks (or longer) depending on environmental conditions. Rainfall within 48 hours of application may reduce the effectiveness of **Altrevin** and a repeat application may be necessary to achieve desired level of control. Bait may be reapplied every four (4) to eight (8) weeks if control appears to be fading. **DO NOT** exceed four (4) applications in a one (1) year period.

RESTRICTIONS AND LIMITATIONS

Citrus Trees, Nut Trees, and Grapes

- Maximum seasonal use rate: 6.0 lbs of Altrevin per acre (0.004 lb ai/acre). DO NOT apply more than the maximum rate per acre per season.**
- Maximum rate per application: 1.5 lbs of Altrevin per acre (0.001 lb ai/acre). DO NOT apply more than the maximum rate per acre per application.**
- Preharvest interval: DO NOT** harvest earlier than the Preharvest interval (PHI) of **5 days**.
- Restricted-entry interval: DO NOT** enter or allow worker entry into treated areas during the restricted-entry interval (REI) of **12 hours**.

Nonbearing Stone and Pome Fruit Trees

- Maximum seasonal use rate: 6.0 lbs of Altrevin per acre (0.004 lb ai/acre). DO NOT apply more than the maximum rate per acre per season.**
- Maximum rate per application: 1.5 lbs of Altrevin per acre (0.001 lb ai/acre). DO NOT apply more than the maximum rate per acre per application.**
- Maximum number of applications: 4 per year. DO NOT apply more than the maximum number of applications per year.**
- Preharvest interval:** Application to the soil around nonbearing stone and pome fruit trees is permitted up to one (1) year before the first harvest.

Conditions of Sale and Warranty

The **Directions For Use** of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of BASF CORPORATION ("BASF") or the Seller. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer.

BASF warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions For Use**, subject to the inherent risks, referred to above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND BASF'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, EXEMPLARY, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

BASF and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of BASF.

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Supersedes: NVA 2007-04-309-0145

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Other Ingredients: 99.937%

Total: 100.000%

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STORAGE AND DISPOSAL: **DO NOT** contaminate water, food or feed by storage or disposal. Open dumping is prohibited. **Pesticide Storage:** Store in cool, dry, secure place and keep container tightly closed. Store container away from children and pets. This product is formulated in an oil bait. Prolonged exposure to air may turn oil rancid and reduce the attractiveness of the bait. Use within 3 months after opening. **Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility. **Container Handling (for plastic containers) Nonrefillable Container.** **DO NOT** reuse or refill this container. After completely emptying container into application equipment, offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities. **(for paper or plastic bags) Nonrefillable Container.** **DO NOT** reuse or refill this container. After completely emptying container into application equipment, dispose of empty bag in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities. Consult federal, state, or local disposal authorities for approved alternative procedures. See attached booklet for complete **First Aid, Precautionary Statements, Directions For Use, Conditions of Sale and Warranty,** and state-specific crop and/or use site restrictions. **In case of an emergency endangering life or property involving this product, call day or night 1-800-832-HELP (4357).**

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