



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

OTHELOI PREVINTION PENTICIDES AND TONIC SUBSTANCES

NOTIFICATION

APR 4 2007

APR 04 2007

Craig D. Kleppe, Ph.D. Registration Scientist **BASF** Corporation 26 Davis Drive P.O. Box 13528 Research Triangle Park, NC 27709

/Applications for Pesticide Notification - Changes per 12/08/06 EPA Letter SUBJECT:

AMDRO Granular Insecticide EPA Reg. No. 241-260 AMDRO Fire Ant Insecticide EPA Reg. No. 241-322

Applications Dated February 27, 2007

Dear Dr. Kleppe:

The Agency is in receipt of your Applications for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the products above. The Registration Division (RD) has conducted a review of these requests for their applicability under PRN 98-10 and finds that the actions requested fall within the scope of PRN 98-10. The labels submitted with the applications have been stamped "Notification" and will be placed in our records.

If you have any questions, please me directly at 703-305-6249 or Terri Stowe of my staff at 703-305-6117.

Sincerely,

Linda Arrington

Notifications & Minor Formulations Team Leader Registration Division (7505P)

Office of Pesticide Programs

Form Approved. OMB No. 2070-00

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## United States

Registration

OPP Identifier Number

' <b>♦EPA</b>	Environmental Protection Agency Washington, DC 20460		X Other	ment		
	Арр	lication for P	esticide - Sec	tion I		
1. Company/Product Num BASF Corporatio		,,,,,,,,,,	2. EPA Product Man Richard Gebken	•	3. Propo	osed Classification
	AMDRO Granular Insecticide		PM# 25			
5. Name and Address of Applicant (Include ZIP Code) BASF Corporation 26 Davis Drive, PO Box 13528 Research Triangle Park, NC 27709			6. Expedited Revaiw. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No.			
Check if	this is a new address		Product Name			
		Secti	ion - II			
Amendment - Expl	esponse to Agency letter dated	1	Agency lett	ed labels in repsons Iter dated Application,		TCATION
X Notification - Expla	ain balow.		Other - Exp	plain below.	APR	0 4 2007
NOTIFICATION to 2006.	submit revised product is applicable to this noti	t labeling in res	sponse to EPA c	comments from	n letter dat	ed December 8,
1. Material This Product V			on - III			
Child-Resistent Packaging Yes No	Unit Packaging  Vas  No  If "Yes"  No.	par H-Yas"			Metal Plastic Glass Paper	
* Certification must be submitted		ntainer Package			Other (Spec	cify)
3. Location of Net Conten	Conteiner	Lithograph Paper plued Stenciled	Other	5. Location of Lab	pel Directions	
			on - IV			
1. Contact Point   Comple	ete items directly below for iden	ntification of individ	iual to be contacted,	if necessary, to pr	rocess this epi	plication.
Name Craig D. Kleppe	е	Title Product	t Registration I	Manager	•	o. (Include Area Code) 2000 ext 2615
I certify that the sta I acknowledge that both under applicab	atements I have made on this for any knowlingly false or misless	ertification form and all attachm ading statement may	lents thereto are truc y be punishable by fi	e, eccurate and cor ine or imprisonmen	mpiete.	Date Application Received (Statisped)
2. Signature	Klefe	3. Title Produ	uct Registr	ation Mar	nager	
4. Typed Name Craig D. Kleppe	,,	5. Date	Gran 2'	7,2007		

**BASF** 

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February 26, 2007

U.S. Environmental Protection Agency Office of Pesticide Programs (7505P) Document Processing Desk 7504P (**NOTIF**) Room S-4900 One Potomac Yard (South Building) 2777 South Crystal Drive Arlington, VA 22202 U.S.A. NOTIFICATION

APR 04 2007

**RE: NOTIFICATION -**

Submission of Revised Product Labeling AMDRO® Granular Insecticide (EPA Reg.No. 241-260) In Response to EPA Letter Dated December 8, 2006

Attention: Mr. Richard Gebken, Insecticide Branch, Product Manager 10

Dear Mr. Gebken:

With this letter as a notification in response to EPA letter dated December 8, 2006, BASF is providing revised product labeling for **AMDRO® Granular Insecticide** (EPA Reg. No. **241-260**). The following label is attached:

1. revised master labeling - BASF has made all the changes on the label as requested by EPA in their letter to BASF dated December 8, 2006. Additionally, the statement on the front page was revised to "See inside booklet for First Aid, Precautionary Statements, Directions for Use, Conditions of Sale and Warranty, and state-specific crop and/or use site restrictions." And finally, a "Conditions of Sale and Warranty" section was added to the last page to meet recent EPA guidance on such statements.

Also, please note that from the internet websites <u>www.turffacts.com</u> and <u>www.pestcontrolfacts.com</u>, BASF has removed all the inappropriate claims and/or statements that EPA had identified and referred to as "Collateral Labeling."

Please find enclosed the following documentation to support this notification:

- 1. Application Form 8570-1
- 2. Master Label (2 copies)

Thank you for your continued assistance with AMDRO® Granular Insecticide.

Regards, Las Defg

Craig D. Kleppe, Ph.D.

Product Registration Manager

email craig.kleppe@basf.com, Tel 919-547-2615, Fax 919-547-2850

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### NOTIFICATION

APR 0 4 2007

## AMDRO<sup>1</sup> Granular Insecticide

[Alternate brand names:]

AMDRO<sup>1</sup> PRO SWEET Ant Bait AMDRO<sup>1</sup> PRO SWEET

## KILLS IMPORTED AND NATIVE FIRE ANTS and other ants

KILLS THE QUEEN

**DESTROYS THE MOUND** 

Active Ingredient: Hydramethylnon: Tetrahydro-5,5-dimethyl-2(1 <i>H</i> )-pyrimidinone (3-[4-(trifluoromethyl)phenyl]-1-(2-[4-(trifluoromethyl)phenyl]-cthenyl)-2-propenyli	By wt.
hydrazone	0.88%
Inert Ingredients	<u>99.12%</u>
Total	100.00%
EPA Reg. No. 241-260 EPA	Est. No.

# 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 booklet for additional 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 involing this product, call day or night at 1-800-832-HELP (4357).

Manufactured For: **BASF Corporation**26 Davis Drive

Research Triangle Park, NC 27709



<sup>&</sup>lt;sup>1</sup> Registered Trademark of Central Garden and Pet Company

	FIRST AID
If swallowed	<ul> <li>Call a 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 on skin or clothing	<ul> <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> <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.</li> <li>Call a poison control center for treatment advice.</li> </ul>
	HOT LINE 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!

May be harmful if swallowed. Avoid contact with skin, eyes, and clothing.

Personal Protective Equipment (PPE): Applicators and other handlers must wear:

- Long-sleeve 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.

Engineering Controls: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 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.

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Environmental Hazards: This product is toxic to fish. DO NOT apply directly water, to areas where surface water is present, or to intertidal areas below the mean high water mark. DO NOT contaminate water when disposing of equipment washwaters. DO NOT apply when weather conditions favor drift from target areas.

General Information: AMDRO is a dry granular bait which is highly attractive to imported and native fire ant, little fire ant and other ants including bigheaded ant and field ant. Worker ants carry it into the mound as food for the colony. They eat it and feed it to the queen. AMDRO starts to kill ants immediately. In about a week the queen is dead, which destroys the mound.

Further information regarding ants may be obtained from your Cooperative Agricultural Extension Service.

#### **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.

#### 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 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 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.

The 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
- Chemical resistant gloves (such as rubber or waterproof gloves)
- Shoes plus socks



#### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standards for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

• Keep unprotected persons out of treated area during pesticide applications.

**Outdoor Use:** AMDRO controls imported and native fire ant, little fire ant, and other ants, such as harvester ant, bigheaded ant, field ant, and Argentine ant. AMDRO is for use on lawns, landscaped areas, golf courses, and other noncropland areas such as airports, roadsides, cemeteries, commercial grounds, parks, school grounds, picnic grounds, athletic fields and other recreational areas, as well as on grounds surrounding poultry houses (excluding runs and ranges) or corrals and other animal holding areas. Avoid direct exposure of animals to AMDRO granules.

AMDRO may be used in and around container or field-grown ornamental and non-bearing nursery stock, and on sod farms (commercial turf). AMDRO may also be applied to the soil around non-bearing fruit or nut trees. AMDRO may also be applied to non-agricultural areas around the perimeter of nurseries, vineyards, orchards and groves. **DO NOT** harvest food/feed from non-bearing nursery stocks within one year of application. **DO NOT** graze or feed lawn or sod clippings to livestock.

Treatment	Rate	Comments
Individual mounds:	2 to 5 level	Distribute bait uniformly onto and around the
imported fire ant	tablespoons	mounds. For fire ants, DO NOT disturb the
little fire ant		mound. DO NOT apply more than 2.0 lb. per
native fire ant		acre. DO NOT contaminate kitchen utensils by
harvester ant		use or storage.
field ant		
bigheaded ant		
Argentine ant		
Broadcast treatment:	1.0 - 1.5 lb./acre	Broadcast bait uniformly with ground (granular
imported fire ant	[2.0 - 3.0 oz./5,000	spreaders) or aerial equipment.
little fire ant	square feet]	
native fire ant		
harvester ant		
Broadcast treatment:	1.5 - 2.0 lb./acre	Broadcast bait uniformly with ground (granular
bigheaded ant	[3.0 - 4.0 oz./5,000	spreaders) or aerial equipment.
Argentine ant	square feet]	
field ant		



- Apply when ants are actively foraging (typically when soil temperature is greater than 60°F).
- However, AMDRO should not be applied to wet ground or wet grass, or if rain is expected within 24 hours after application, or when temperatures are below 50°F.
- Avoid leaving the bait exposed to direct sunlight for prolonged periods.
- During hot weather, application is best performed in the early morning or early evening when temperatures are cooler and ants are active.
- Check treated colonies/mounds for ant activity 30-40 days after treatment.
- Repeat applications as needed.

Grass Forage (Pasture and Rangeland) Use: AMDRO controls imported and native fire ant, little fire ant, and other ants, such as harvester ant, bigheaded ant, and Argentine ant. AMDRO may only be applied to grass forage (pasture and rangeland) for the control of ants only in the following states: Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia. Use of AMDRO on grass forage (pasture and rangeland) in states other than those listed is unlawful. Reference the table below for application directions. Applications of AMDRO to grass forage (pasture and rangeland) may not exceed a maximum rate of 8.0 pounds per acre per year, and AMDRO may not be applied more than 4 times per year with minimum application intervals of 90 days. DO NOT cut and bale hay from pastures and rangeland treated with AMDRO until 7 days after the bait application is made. The restrictions on the use of AMDRO on cutting and baling hay do not apply when the treated pasture and rangeland is used solely to support companion animals (e.g., horses, llamas). These companion animals cannot be used for food or feed.

Treatment	Rate	Comments
Individual mounds:	2 to 5 level	Distribute bait uniformly around the mound.
imported fire ant	tablespoons	Fore fire ants, <b>DO NOT</b> disturb the mound. <b>DO</b>
little fire ant		NOT apply more than 2.0 lb. per acre. DO
native fire ant		NOT contaminate kitchen utensils by use or
harvester ant	•	storage.
bigheaded ant		·
Argentine ant		
Broadcast treatment: imported fire ant little fire ant native fire ant harvester ant	1.0 - 1.5 lb./acre [2.0 - 3.0 oz./5,000 square feet]	Broadcast bait uniformly with ground (granular spreaders) or aerial equipment.
Broadcast treatment: bigheaded ant Argentine ant	1.5 - 2.0 lb./acre [3.0 - 4.0 oz./5,000 square feet]	Broadcast bait uniformly with ground (granular spreaders) or aerial equipment.

- Apply when ants are actively foraging (typically when soil temperature is greater than 60°F).
- However, AMDRO should not be applied to wet ground or wet grass, or if rain is expected within 24 hours after application, or when temperatures are below 50°F.

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- Avoid leaving the bait exposed to direct sunlight for prolonged periods.
- During hot weather, application is best performed in the early morning or early evening when temperatures are cooler and ants are active.
- Check treated colonies/mounds for ant activity 30-40 days after treatment.
- Repeat applications as needed.

#### Uses for AMDRO Applied in Bait Stations:

• Apply AMDRO in bait stations for control of field ant (*Formica perpilosa*) in both bearing and non-bearing: grape vineyards, citrus groves, grapefruit orchards, almond groves, and strawberry patches.

This treatment(s) involves placing AMDRO in bait stations (see section below entitled **Bait Stations** for list of applicable bait stations) that have been positioned in and around the vineyard or orchard or grove or patch. **DO NOT** apply AMDRO directly to the ground within the vineyard or orchard or grove or patch. **DO NOT** apply AMDRO directly to the ground around the base of plants (grape, strawberries) or trees (citrus, grapefruit, almond). **DO NOT** apply directly to any part of the plant or tree.

#### 1. Bait Station Applications in vineyard/orchard/grove/patch with actively foraging ants:

See the BAIT STATION chart to determine the amount(s) of AMDRO to be placed into bait stations that are spaced at various lengths within the vineyard/orchard/grove/patch. Place the specified amount of AMDRO into the bait station depending on the spacing of bait stations within the vineyard/orchard/grove/patch. Other bait station spacings may be used (e.g. 8 x 8, 22 x 22, 37 x 37, etc.) depending on design of vineyard/orchard/grove/patch, spacing of trellis or trees and/or applicator preference to keep bait stations away from heavy traffic areas, access roads or alley ways in and around the vineyard/orchard/grove/patch. Then, the amount of AMDRO to be placed in the bait station needs to be re-calculated depending on the actual spacing of bait stations used. **DO NOT** exceed 2.0 lb of AMDRO per acre when applied in bait stations.

#### **BAIT STATION Chart**

Bait Station spacing (feet x feet)	Amount (in grams) of AMDRO placed into each bait station	Amount (in ounces) of AMDRO placed into each bait station
50 x 50	52.2	1.84
45 x 45	42.3	1.49
40 x 40	33.3	1.175
35 x 35	25.5	0.9
30 x 30	18.7	0.66
25 x 25	13.1	0.46



20 x 20	8.3	0.294
15 x 15	4.7	0.165
10 x 10	2.1	0.0735

After minimum of 2 weeks, move bait stations further away from treated area into adjacent infested areas. Place baits stations at desired spacing and place the specified amount of AMDRO into the bait station. However, if ants continue to be actively foraging in or around the bait stations, leave bait stations in place (and re-fill as necessary only with the specified amounts of AMDRO) until foraging activity is minimal or has ceased. Bait stations need not be placed immediately adjacent to nests.

## 2. Bait Station Applications along Field Borders (to prevent ants from re-infesting vineyard/orchard/grove/patch):

Place bait stations in border areas of the vineyard/orchard/grove/patch at spacings between 10 ft x 10 ft and 40 ft x 40 ft, depending on configuration of the vineyard/orchard/grove/patch and intensity of ant infestation. See the BAIT STATION chart, and place the specified amount of AMDRO into the bait station depending on the spacing of bait stations. Monitor stations at 2-week intervals and replace AMDRO as necessary.

#### 3. Bait Replacement in Bait Stations:

Monitor the bait stations to determine if ants are present. If ants are not present or AMDRO has remained in the baits station for >10 weeks, remove AMDRO from the bait station and distribute uniformly in noncrop border areas. Re-place with the specified amount (see BAIT STATION chart, amount depends on bait station spacing) of fresh AMDRO in the bait station, and continue to monitor ant activity and AMDRO at 2-week intervals; or, remove bait station from site.

AMDRO may remain effective for up to 10 weeks (or longer) depending on environmental conditions. Excessively wet (prolonged high humidity, frequent and prolonged rainfall, and heavy mist) conditions may reduce the effectiveness AMDRO. Monitor ant activity in and around bait station and replace bait as necessary. Monitor ant activity either by visual or mechanical (e.g., traps) methods.

#### 4. Bait Stations:

Several bait stations have been tested and allow the ants to take the bait [e.g., Perimeter Patrol System (B&G Equipment Co.), Drax Liquidator (Waterbury Co.), A.C.E. Station (Whitmire Micro-Gen Co.), Ants No More (Kness Mfg. Co.)]. Bait stations that minimize exposure to sunlight (dark colored) and moisture will help retain the effectiveness of AMDRO.



#### **Aerial Drift Management**

Avoiding drift at the application site is the responsibility of the applicator. The interaction of many equipment- and weather-related factors determine the potential for drift. The applicator and the grower are responsible for considering all these factors when making decisions.

Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in <u>Aerial Drift Reduction Advisory</u> information.

#### **Aerial Drift Reduction Advisory**

#### APPLICATION HEIGHT

Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety.

#### SWATH ADJUSTMENT

When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, etc.)

#### WIND

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including equipment type, determine drift potential at any given speed. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect drift.

#### SENSITIVE AREAS

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from sensitive areas).

#### STORAGE AND DISPOSAL

**Prohibitions:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

**Storage:** Store in cool, dry, secure place and keep container tightly closed. Store container away from 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.

revised master label in Feb 2007 based on EPA comments from approval letter dated 12-8-2006.

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

Container Disposal: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

General: Consult Federal, State, or local disposal authorities for approved alternative procedures.

#### 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 should be followed carefully. However, it is impossible to eliminate all risks inherently associated with 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 permitted by law, all such risks shall be assumed by the Buyer.

To the extent consistent with applicable law, 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 inherents risks, referred to above.

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, BASF AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, 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 agent of BASF.

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BASF Corporation Agricultural Products 26 Davis Drive Research Triangle Park, NC 27709

