Play It Safe with Pesticides

How to Properly Store and Handle Hazardous Materials
Pesticides are chemicals used to destroy, prevent or control pests. Pests include weeds, diseases, and insects. Pesticides also include chemicals used to regulate plant growth or remove or coat leaves.

“Pesticide” can mean a fungicide, herbicide, insecticide, rodenticide, etc.
The Label is the Law

Do Not Apply Any Pesticide to a Site
Not Specifically Listed on the Label!
The Label Is the Law

- Read the Label!
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Understanding the Label

Read before you buy to be sure you are buying the right product for the job.

Buy the proper amount so you can avoid storage, and dispose of container and left-over product properly.

Very important! Understand the potential dangers and keep out of the reach of children.

It is important to keep products in the original container in case of accidental poisoning so you can follow the first aid instructions and have the list of ingredients available to give to poison control.
Label Information

**Trade Name**
Banvel®

**Active Ingredients**
- Dimethylamine salt of dicamba
  
**Inert Ingredients**
- Dissolve active ingredient or affect how product works (synergist, spreader)

*This product contains 40.0% 3,6-dichloro-o-anisic acid (dicamba) or 4 pounds per gallon.*
Product or Trade Name
Types of Formulations*

- Emulsifiable concentrates (EC)
- Flowables (F)
- Wettable powders (WP)
- Dry flowables (DF)

* Trade names used as examples - no endorsement intended.
Types of Formulations

- Water-miscible liquids
- Water-soluble powders
- Oil solutions
- Soluble pellets
- Ultralow-volume concentrates
- Fogging concentrates
- Dusts

- Aerosols
- Granular
- Fumigants
- Impregnating materials
- Baits
- Microencapsulated
- Other slow-release formulations
Label Information

**RESTRICTED USE PESTICIDE.**

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator’s certification.
Label Information

What the pesticide product controls.
Where, how and when to use the product.
It’s critical that applicators understand and follow these statements!

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Signal Words on Labels
Indicate potential hazard

A WEED AND GRASS KILLER – HARVEST AID CHEMICAL
Keep Out of Reach of Children

DANGER
POISON

DO NOT USE OR STORE IN OR AROUND THE HOME.
ONE SWALLOW CAN KILL!
SYMPTOMS ARE PROLONGED AND PAINFUL. ONSET OF SYMPTOMS
MAY BE DELAYED FOR UP TO 3 DAYS AFTER SWALLOWING.

PELIGRO
PRECAUCION AL USUARIO:
Si usted no lee ingles, no use este producto hasta que la etiqueta le
haya sido explicada ampliamente.

DO NOT REMOVE CONTENTS EXCEPT FOR IMMEDIATE USE.
NEVER PUT INTO FOOD, DRINK OR OTHER CONTAINERS.

Can Kill If Swallowed. May Be Harmful or Fatal If Absorbed Through Skin or
## Signal Words on Labels

<table>
<thead>
<tr>
<th>Category</th>
<th>Signal word required on label</th>
<th>Approximate amount needed to kill an average person</th>
</tr>
</thead>
<tbody>
<tr>
<td>Highly Toxic</td>
<td>DANGER POISON</td>
<td>A few drops to one teaspoon</td>
</tr>
<tr>
<td>Moderately toxic</td>
<td>WARNING</td>
<td>one teaspoon to one ounce</td>
</tr>
<tr>
<td>Slightly toxic</td>
<td>CAUTION</td>
<td>over one ounce</td>
</tr>
<tr>
<td>Not toxic</td>
<td>not required</td>
<td></td>
</tr>
</tbody>
</table>
First Aid

Tells what to do if someone accidentally swallows or breaths the pesticide, or gets it on their skin or in their eyes.

May also contain section labeled “Note to Physicians” which provide doctors with specific medical information.
Precautionary Statements

Hazards to humans and domestic animals
Environmental hazards
Physical & chemical hazards

Warranty Statement
Statement intended to limit company’s liability, or to act as a disclaimer, or as a warranty for the product
Label Information

Manufacturers Address

Mobay Corporation
A Bayer USA Inc. Company

Bayer MOBC

Agricultural Chemicals Division
Box 4913, Kansas City, Mo. 64120

EPA Registration #
EPA Establishment #
&
Net Wt./Net contents

EPA Reg. No. 55947-1
EPA Est. No. 55947-TX-1

NET CONTENTS: 1 GALLON
Storage & Disposal

Tells how to best store the product and what to do with the unused portion of the product and the empty container.
Pesticide Storage and Mixing Areas

Post signs on the building and storage room door
Limit access to your pesticide storage
Always lock storage facilities
Pesticide Storage and Mixing Areas

Detached structure
Nonflammable materials
Select a site with minimal runoff
At least 100’ down slope from surface water and wells
Pesticide Storage and Mixing Areas

Use sealed floors
Equip floor with a continuous curb to contain spills
Pesticide Storage and Mixing Areas

Best shelving – metal with a lip
Keep shelving painted to avoid corrosion
Pesticide Storage and Mixing Areas

Bottom shelf on floor – unable to clean
Wooden shelves – may absorb spilled pesticide
Pesticide Storage and Mixing Areas

Store all pesticides separately (you must if the label says so). Keep separate from fertilizers, gasoline, flammables & volatiles.
Pesticide Storage and Mixing Areas

Have a built in sum or drain to a sump for storage and mixing
Locate sump beside, not under, building for easy access
If possible, provide electrical power to the storage.

Explosion-proof wiring, lighting and switches are best.

Good lighting allows you to:
read labels, note leaks and damaged containers, clean up spills, inventory
Pesticide Storage and Mixing Areas

Keep the unit well ventilated
Use mechanical ventilation if possible
Keep pesticides from freezing and extreme high temperatures
Most should be stored between 40 and 90 degrees F
Pesticide Storage and Mixing Areas

Dry bags should be raised on pallets
Do not store liquid materials above dry materials
Pesticide Storage and Mixing Areas

*Store pesticides in their original container*

*Don’t place them in containers that children or others may mistake for food or drink*

*Make sure labels are visible and legible, refasten all loose labels*
Segregate herbicides, insecticides, fungicides, etc. to prevent cross-contamination and minimize the potential for misapplication.
Pesticide Storage and Mixing Areas

Store personal protective equipment (PPE) where it is easily accessible in the event of an emergency, but not in the pesticide storage area

Keep a written inventory and MSDS file
Pesticide Storage and Mixing Areas

Have a source of clean water to decontaminate skin, eyes, etc.
Check them routinely to make sure they work
Pesticide Storage and Mixing Areas

Triple rinse and dispose of used pesticide containers properly
This
Pesticide Storage and Mixing Areas

Not This
Empty Containers

- Triple or jet rinse immediately after emptying
- Turn in plastic containers for recycling
- Landfills - check with operator
- Do not burn containers
- Burying containers on your own property is not recommended
Pesticide Storage and Mixing Areas

Keep a first aid kit and other safety equipment on hand
Pesticide Storage and Mixing Areas

Keep a current inventory of pesticides and other chemicals on hand.
Transporting Pesticides

Use tie-downs or brace bars.
Absorption through the skin is the most common route of poisoning of agricultural workers.
This exposure can be reduced by 99% simply by wearing chemical resistant gloves and a long-sleeve shirt.
Personal Protective Equipment (PPE): Gloves

- Waterproof or chemical resistant gloves
- Never wear leather!

Always Read the Label for Proper PPE
PPE: Respirators

- Dust/Mist (MSHA/NIOSH TC-21C)
- Reduces exposure to various dusts and mists.
- Label will specify type of respirator.
Mixing and Loading

The potential for human exposure is greatest during mixing/loading

Wear the Correct PPE!
Keep Out of Mouth

- Never mouth siphon
- Use soft brush to unclog nozzles
- Keep in original container
- No eating, smoking, etc. until you have thoroughly cleaned up
Changing or Cleaning Nozzles
Cleaning Nozzles
Spill Kit

- Shovel
- Broom
- Floor sweep, oil soak, kitty litter
- Bleach and activated charcoal
First aid for pesticide on the skin
First aid for pesticide in the eyes
Washing and Bathing

- Shower or bathe daily after using pesticides.
- Wash hands before touching anything that goes into mouth.
- Do not touch face or genitals before washing hands.
General Symptoms Associated with Pesticide Poisoning

- Headache
- Giddiness
- Blurred Vision
- Nausea
- Chest Pains
Poison Control Centers

Regional Poison Control Center of the Children’s Hospital of Alabama
Birmingham, AL
800-292-6678

Alabama Poison Center
Tuscaloosa, Alabama
800-462-0800
Read the label carefully and often. It is a violation of Federal Law to misuse a pesticide.
It is YOUR Responsibility
How AMDRO Fire Ant Bait Works:

1. AMDRO is a bait. Worker ants carry it into the mound as food for the colony.
2. They eat it and feed it to the queen. AMDRO starts to kill ants immediately.
3. In about a week the queen is dead, which destroys the mound.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with the labeling. This product is not for use as a vegetable or other food crop, timber, or plants grown for sale or other commercial use, or for commercial seed production, or for research purposes.

Application Restrictions: Do not apply this product in any way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application.

Outdoor Use:

For large, infested areas: Using a hand-held granular spreader, broadcast AMDRO at 2 to 4 ounces per 5,000 square feet (1 to 2 pounds per acre).

For individual mounds: Sprinkle 2 to 5 teaspoons of AMDRO around the mound. Do not disturb the mound. Use a disposable scoop for not to use a kitchen utensil.

For best results, apply AMDRO when ants are active. Repeat application as needed.

AMDRO fire ant bait controls imported and native fire ants and other ants, such as harvester ants, big-headed ants, and Argentine ants. AMDRO fire ant bait is for use ONLY on lawns, landscaped areas, golf courses, commercial grapevines, park and other noncrop areas, as well as on grounds surrounding poultry houses (including runs and range and corral), and other animal feeding areas. AMDRO may be applied to pastures and rangeland if used ONLY FOR COMPANION ANIMALS (horses, fences, etc.). Companion animals grazed on treated areas cannot be used for food or milk. Do not graze or feed treated or corralled to livestock. Avoid direct exposure of animals to AMDRO granules.

STORAGE AND DISPOSAL

Store cool, dry, secure place and keep container closed. Store container away from pets. When properly stored, this product will retain its effectiveness for up to three months after the package has been opened.

Container Disposal: If empty – Do not reuse this container. Place in trash or offer for recycling if available. If partially filled – Call your local solid waste agency or 1-800 CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 888-265-9791 for emergency medical treatment information.

If on skin or clothing

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 in eyes

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 3 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

PRECAUTIONARY STATEMENTS:

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wear long-sleeved shirt and long pants, socks, and shoes, and chemical-resistant gloves (such as rubber or waterproof gloves). Wash thoroughly with soap and water after handling.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water. Do not contaminate water when cleaning equipment or disposing of equipment washwater. AMDRO makes no express or implied warranty, including any other express or implied warranty of MERCHANTABILITY.

In cases of an emergency endangering life or property involving this product, call or visit: A-Area Code 888-265-9791

EPA Reg. No. 33345-1
EPA Est. No. 5495-A-1
Manufactured for AMBRANDS
Atlanta, GA 30319

FOR LARGE, INFESTED AREAS

May be applied to pastures and rangelands if used only for Companion Animals

- Use hand-held granular spreader
- Broadcast 2 to 4 ounces per 5000 square feet (1 to 2 pounds per acre)

(See label above for complete directions for use)

FOR INDIVIDUAL MOUNDS

- Sprinkle 2 to 5 teaspoons around the mound
- Do not disturb the mound
- Use a disposable scoop (do not use a kitchen utensil)

(See label above for complete directions for use)
Here’ your sign
The Label Is the Law

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