

PI-079 (07/03)

Michigan Department of Agriculture & Rural Development
Pesticide and Plant Pest Management Division
Pesticide Application Business License

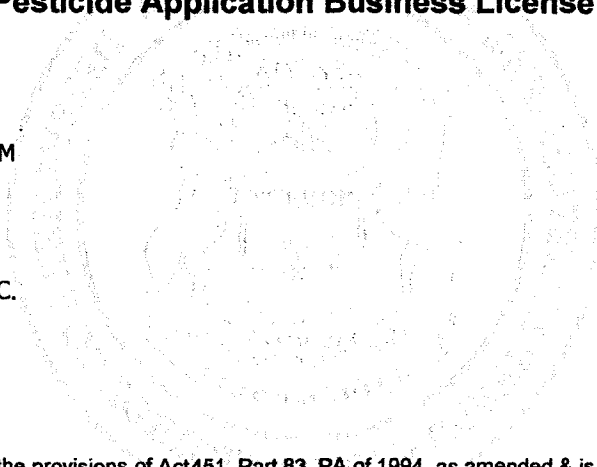
License No: 820294
Issue Date: 02/23/2015
Expiration: 12/31/2015

Issued To:

GRIFFIN PEST SOLUTIONS, INC.
17201 MIDDLEBELT RD
LIVONIA, MI 48152-
Category(ies): 7A, 7B, 7F*, FUM
Mailing Address:

GRIFFIN PEST SOLUTIONS, INC.

2700 STADIUM DR
KALAMAZOO, MI 49008-



Restricted

PAB

JAMIE CLOVER ADAMS
Director of Agriculture
& Rural Development

This license is issued in accordance with the provisions of Act 451, Part 83, PA of 1994, as amended & is only valid for the establishment, address, and categories listed above. Categories with an (*) are RESTRICTED (see back). This license is not transferable.

Restriction #62

General use insecticides
in handheld equipment
& manual spreaders only

CUSTOMER PAPERWORK - (Reg. 637, Rule 12.2): At the time of the application* you must provide your customer with the following information:

- Name, address, phone number of your firm
- Applicator's full name
- Target pest
- Common name of active ingredients of pesticides applied
- Date and time of application
- Precautionary warnings on the pesticide label applicable to the situation.

*If agreed to in writing, you may provide customer information electronically within 48 hours.

RISK/BENEFIT INFORMATION - (Reg. 637, Rule 12(4)): At the initiation of a service agreement, firms are required to provide their customers with specific information on using pesticides. See MDARD's website for a template.

APPLICATION RECORDS - (Reg. 636, Rule 15): All commercial applicators are required to keep records of applications for at least one year for general use pesticides or three years for restricted use pesticides. Records must contain the following:

- Name and EPA registration number of the pesticide applied
- Concentration of the pesticide applied
- Amount of pesticide end use dilution applied
- Target pest, purpose, or crop site
- Date the pesticide was applied
- Address or location of the pesticide application
- Method and the rate of application.

MIX/LOAD PAD - (Reg. 637, Rule 6): Applicators mixing or loading more than ten days per calendar year in one location must mix over a mix/load pad. Hand-held equipment is exempt.

INTEGRATED PEST MANAGEMENT (IPM) - (Act 451, Sections 8304(5) and Section 8316; Reg. 637, Rule 14): Firms making applications in schools, licensed day care centers, health care facilities, and public buildings must first evaluate the pest problems and develop a written management plan prior to making applications. IPM in schools and daycare centers includes requirements for avoiding applications when students are present, notifying guardians of upcoming applications, and additional recordkeeping requirements.

This brochure is intended as an introduction to the different regulations. It is not a complete list of the requirements. The various regulations described above can be found at:
<http://www.michigan.gov/mdapest>

You can obtain an MDARD-approved generic version of a drift management plan, risk-benefit information, and a chart on required recordkeeping and customer information from the same website.

For further information regarding pesticides and other areas regulated by MDARD, refer to the above website or call (800) 292-3939 and ask to be referred to your local pesticide inspector.

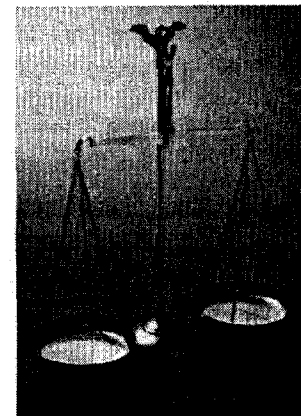
**Michigan Department of Agriculture
and Rural Development**
Pesticide & Plant Pest
Management Division

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www.michigan.gov/mdard

Visit us at:
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An Introduction to Michigan's Pesticide Laws and Regulations



**Pesticide and Plant Pest
Management Division**

www.michigan.gov/mdard

**NOW THAT YOU HAVE YOUR
COMMERCIAL PESTICIDE
APPLICATOR BUSINESS LICENSE,
WHAT OTHER PESTICIDE
REGULATIONS DO YOU NEED TO
COMPLY WITH?**

APPLICATOR CREDENTIALS - (Act 451, Section 8314): Every person applying pesticides for a licensed business must be either a certified or registered applicator with the State of Michigan. This is true even if the person only applies pesticides infrequently.

FOLLOW THE PESTICIDE LABEL - (Act 451, Section 8311(9) and Reg. 637, Rule (4)(a): Applicators are responsible for following all the directions for use on a pesticide label. Label directions include pesticide mixing instructions, where the product can be applied, method(s) of application, personal protective equipment, and precautionary statements pertinent to that product. Failure to comply with the label use directions is a serious violation.

PERSONAL PROTECTIVE EQUIPMENT (PPE) - (Reg. 637, Rule 9): Michigan regulations require applicators wear long pants, protective footwear, impervious gloves and long sleeves (unless water & soap are available). It also requires applicators wear whatever else the pesticide label requires. Most pesticide labels now require long sleeves and many require protective eyewear or other PPE. Follow all label PPE requirements.

VEHICLE IDENTIFICATION - (Reg. 637, Rule 4(l)): All vehicles transporting pesticides must be identified with your firm's name plus address or phone or DOT number in text that is three inches tall or larger.

SPILL KIT - (Reg. 637, Rule (*4m)): All vehicles carrying pesticide concentrates or dilutions in containers larger than 16 oz. must be equipped with a spill kit. The spill kit needs to be appropriate to contain and clean-up the type and volume of pesticide being carried. For instance, a broom and dust pan is not effective for liquid pesticides, nor is an absorbent material effective for granular pesticides. All spills must be cleaned up and contained.

NOTIFICATION REGISTRY - (Reg. 637, Rule 5): The Michigan Department of Agriculture and Rural Development (MDARD) maintains a Notification Registry of persons who have documented health concerns requiring notification. Applicators must notify persons on the Registry prior to making turf or ornamental applications. Each year, turf and ornamental firms will be sent a website address where they can access an updated copy of the Registry and determine if any of their customers are located at addresses which require notification.

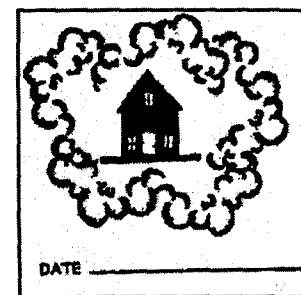
DRIFT MANAGEMENT PLAN - (Reg. 637, Rule 10): Firms making applications with the potential to drift (just about any outdoor type of application) must have a written drift management plan that describes how the applicators evaluate the potential for drift, mitigation measures, consent, and notification procedures. See MDARD's website for a template.

POSTING - (Reg. 637, Rule 11): Several types of pesticide applications require posting. Posting is NOT required for fertilizer ONLY applications (when pesticides are not applied). Posting requirements include:

- **Turf and ornamental** - Broadcast or foliar applications must be posted for 24 hours. Standard lawn posting signs must be printed on both sides and contain ONLY the information shown in the illustration.



- **Indoor applications** - Use a sticker with a house in a cloud symbol and the date of application in the entrance to commercial buildings, public buildings, or health care facilities at the time of the application when broadcast, foliar or space insecticide applications are used indoors.



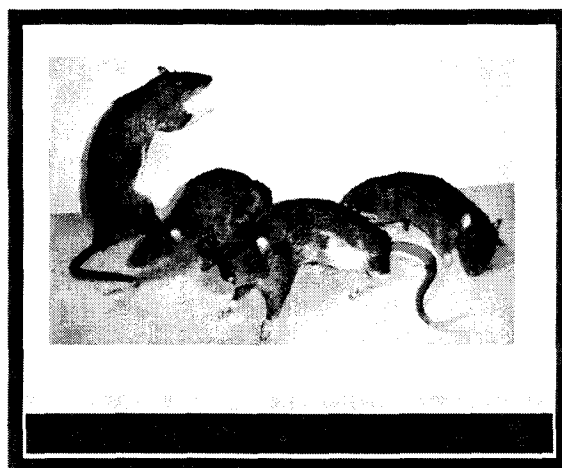
- **Other types of posting or notification** - Golf course, right of way and community-wide applications such as mosquito control also have specific posting or notification requirements.



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Michigan Department
of Agriculture and
Rural Development

EPA LABEL CHANGES FOR RODENTICIDE BAITS



Pesticide and Plant Pest
Management Division

www.michigan.gov/mdard

LABEL CHANGES

In 2013, the Environmental Protection Agency (EPA) changed the label requirements for rodenticide bait used against house mice, Norway rats and roof rats (commensal rodents) containing any of the 10 currently registered active ingredients:

- **First Generation Anticoagulants:** *warfarin, chlorophacinone, and diphacinone*
- **Second Generation Anticoagulants:** *brodifacoum, bromadiolone, difenacoum, and difethialone*
- **Non-Anticoagulants:** *bromethalin, cholecalciferol, and zinc phosphide*

The changes do not apply to rodenticides labeled ONLY for rodents other than commensal rodents such as voles, ground squirrels, and pocket gophers.

The changes do not apply to commensal rodent tracking powders as these products were re-registered separately (with new label language) in 2009.

IMPORTANT: Please remember - a pesticide's label is the law and users must comply with all use directions found on the label.



If someone is poisoned by
pesticides, don't delay!
Call the Poison Control Center at
800-222-1222

Significant Label Changes Affecting Use:

- All outdoor applications must be made within 50 feet of a "building."

On March 20, 2012, the EPA agreed to change this to within 100 feet of a man-made structure (fences are not considered structures).

- All outdoor above-ground applications must be in a tamper-resistant bait station.

On March 20, 2012, the EPA agreed to revise this for commercial pest control and agricultural uses and also allow:

- **Burrow baiting with first generation anticoagulant and non-anticoagulants 100 feet or more from a man-made structure.**
- **Burrow baiting with second generation anticoagulants within 100 feet of man-made structures.**

- The urban/non-urban language was eliminated, making it legal to place bait stations outdoors on a farm (subject to the distance restrictions listed above).

- The language "can only be used to control house mouse, roof rat, and Norway rat" was added to products if the manufacturer had not provided data for other species. This precludes the deliberate application of a rodenticide to control any rodent pest species not listed on the label. Previously, applicators could use a product for non-commensal rodents, such as deer mice or pack rats under FIFRA, section 2(ee).

	TYPE OF RODENTICIDE PRODUCTS:		
	Residential Consumer Products	Commercial Pest Control Products	Agricultural Products
ACTIVE INGREDIENTS AVAILABILITY:			
Non-anticoagulants	Available	Available	Available
1st Generation Anticoagulants	Available	Available	Available
2nd Generation Anticoagulants	Not Available	Available	Available
PACKAGE REQUIREMENTS:			
Non-anticoagulants	1 pound maximum - must include at least one bait station – above-ground use only	4 pound minimum - above-ground and in-burrow uses	4 pound minimum - above-ground and in-burrow uses
1st Generation Anticoagulants	1 pound maximum - must include at least one bait station – above-ground use only	4 pound minimum – above-ground and in-burrow uses	4 pound minimum – above-ground and in-burrow uses
2nd Generation Anticoagulants	Not allowed	16 pound minimum – above-ground and in-burrow uses	8 pound minimum* - above-ground and in-burrow uses
FORMULATIONS AVAILABLE:			
Block and other Securable Formulations	Yes	Yes	Yes
Pellets, Liquids, Meals, Treated Grain	None allowed	Yes	Yes
DISTRIBUTION CHANNELS:			
Non-anticoagulants	Products may be sold anywhere	Only available through commercial pest control outlet distribution. Not allowed to be offered for sale at hardware, grocery, department store, etc.	Only available at ag distribution and farm supply stores. Not allowed to be offered for sale at hardware, grocery, department store, etc.
1st Generation Anticoagulants (See package size and bait station requirements)			
2nd Generation Anticoagulants	Not allowed for sale to residential consumers		

* These packages will have label language prohibiting use in residential buildings.

When the product label requires use of a bait station for residential consumer rodenticide products, the user must use an appropriate bait station depending on placement and exposure to children and pets. Standards for bait stations are as follows:

Bait Stations For Residential Consumer Rodenticide Products: Tier I-IV

Tier	Qualifications
Tier I	Tamper resistant by children and dogs. Weather resistant. Used indoor or outdoor within 100' of a man-made structure.
Tier II	Tamper resistant by children and dogs. Not weather resistant. Used indoors only.
Tier III	Tamper resistant by children, but not dogs. Not weather resistant. Used indoors only in areas inaccessible to pets.
Tier IV	These bait stations are not tamper resistant. They can be used indoor only in areas that are inaccessible to children and pets.

First Generation Anticoagulants	Common Brand Names
Chlorophacinone	Rozol, Ortho Rodenticide Products, AC 90
Diphacinone	Ditrac, Erazo Ag, Tomcat, Bait Block, Ramik (Green, Brown, Mini)
Warfarin	Rodex, Kaput Rat & Mouse
Second Generation Anticoagulants	
Brodifacoum	Final & Jaguar, d-Con, Havoc, Kaput Doom, Talon, Weatherblok
Bromadiolone	Contra, Hawk, Just One Bite, Maki, Boot Hill, Brigand, Ratimor
Difenacoum	DiKill, Multi-Kill
Difethialone	Generation, Hombro, BlueMax, FirstStrike, d-con
Non-Anticoagulants	
Bromethalin	Fastrac, Rampage, Tomcat (Bromethalin), CyKill, Top Gun, Gunslinger, Assault
Cholecalciferol	Agriid, Terad3
Zinc Phosphide	ZP Pelleted Bait, Prozap