

## CONSUMER INFORMATION REGARDING LAWN and LANDSCAPE CARE PESTICIDE APPLICATIONS

The use of pesticides is regulated by the Maryland Department of Agriculture. All commercial pesticide businesses and public agencies that apply pesticides must satisfy certain requirements of the Regulations pertaining to the Pesticide Applicators Law. Some of those requirements are discussed below.

This consumer information sheet answers commonly asked questions about applications of pesticides for tree, shrub and lawn pest control.

### 1. WHAT ARE PESTICIDES?

A pesticide is any substance used to control pests. The pests may include insects (controlled by insecticides), weeds (controlled by herbicides), and fungi (controlled by fungicides).

### 2. IS A LICENSE REQUIRED TO APPLY PESTICIDES? YES!

Each firm that applies any pesticide for hire is required to obtain a pesticide business license from the Maryland Department of Agriculture; failure to operate without a license is cause for penalties and poses liability issues. A license is obtained by completing an application, paying a fee, submitting proof of liability insurance and employing at least one certified pesticide applicator who has demonstrated competence in the use of pesticides.

### 3. CAN I BE NOTIFIED PRIOR TO A PESTICIDE APPLICATION TO MY PROPERTY?

Yes. Upon the customer's request, the pest control firm is required to give the customer advance notice of a pesticide application. In addition, individuals who have registered with the Maryland Department of Agriculture as a pesticide sensitive individual, or a person who submits a physician's certificate indicating that he or she should not be exposed to a pesticide because of a current diagnosed condition or ailment, may receive advance notice of tree and lawn pesticide applications to neighboring properties.

### 4. MUST A SIGN BE POSTED ON MY PROPERTY?

Yes. After a pesticide has been applied to a lawn or to exterior landscape plants, the pest control firm must post a standardized sign at one or more specific locations on the property. The customer is requested to keep the sign in place for 48 hours after the application. Signs are not required for fertilizer applications.

### 5. WHAT INFORMATION ABOUT THE PESTICIDES APPLIED SHOULD I RECEIVE?

When a pesticide is applied, or at the time a customer enters into a contract with a licensed firm for pest control, the customer must receive the following written information: 1) Name of licensee; 2) Maryland pesticide business license number; 3) Licensee telephone number; 4) Maryland Poison Center telephone number; 5) Common name or active ingredient of pesticide product applied; and 6) One of the following - a copy of the pesticide label; a copy of a portion of the pesticide label containing precautionary statements and environmental hazards; or a document compiled by the licensee that contains appropriate health, safety, and environmental hazard information taken from the pesticide label and approved by this Department.

### 6. ARE PESTICIDE APPLICATIONS SAFE?

Pesticides, to be effective, are toxic to plants or animals and vary in range of toxicity to humans. The degree of hazard to humans or pets can be reduced if pesticides are applied according to label directions, and the appropriate precautions are followed by the applicator and the customer. The pesticides regularly used by service professionals are usually the same as "general use" products available to the homeowner. These products are generally labeled with the same rates, the same precautions, and the same usage information whether packaged for personal or commercial use. The products purchased by the service professional may be packaged as concentrates for shipping convenience and economy; but before application to a lawn, they are diluted to the same strength as the ready-to-use products sold directly to the homeowner.

## **What do the terms “natural and organic” mean with regard to service products?**

There are no universally accepted definitions, but possible definitions of these terms could include:

**NATURAL**—A product derived from animal/biological, mineral or plant sources, in a form substantially as it occurs in nature. The materials may be altered or manipulated to put them in a physical form that allows them to efficiently use in the application process by the homeowner or commercial applicator.

**ORGANIC**—Any substance containing the element “carbon” is, by technical definition, organic. Both naturally occurring and man-made products may be organic. The common misconception that organic and natural have the same meaning may cause the non-technical consumer to believe that a man-made organic material is natural when it is not.

**NATURAL BASED**—Generally used to describe a mixture of materials that includes some materials that may be properly described as natural. The portion that is natural is frequently undefined. The other portion may be man-made pesticides or fertilizers.

**ORGANIC BASED**—Generally used to describe a mixture of materials that includes some organic materials. The portion of the product that is both organic and natural is frequently undefined. The portion may be man-made pesticides or fertilizers. It is important to understand that neither natural nor organic products are free from risk. If any of the above terms are used by your service professional, ask what they mean. You also may want to ask some of the following questions:

- Do the products used or service rendered contain or use any materials that are subject to EPA regulation and registration? Any product that makes claims that it prevents, destroys, repels or mitigates any pest (insect, weed, or disease, etc.), requires state and EPA registration and is classified as a pesticide.
- Are these materials man-made or naturally occurring?
- Are weed, insect, and disease controls a part of the product or service?
- What proportion or percentage (25%, 50%) of the active ingredients and of the total applications are man-made materials?

### **7. HOW CAN I MINIMIZE EXPOSURE TO PESTICIDE APPLICATIONS?**

Remove all toys, pet items and lawn furniture from the area to be treated. Close windows. Keep adults, children and pets away from treated areas. Do not stand downwind during or immediately after application of the pesticide. The customer should read the information discussed in question 5. and follow the precautionary statements or health and safety information provided about the pesticide applied to the property.

### **8. WHAT IF I HAVE A QUESTION OR A PROBLEM?**

The Maryland Department of Agriculture, Pesticide Regulation Section, regulates the use of pesticides in Maryland. Pesticides must be applied according to label directions by licensed pesticide firms and under the supervision of certified pesticide applicators. If you suspect that your applicator is unlicensed, or that a pesticide misuse has occurred, contact the Pesticide Regulation Section to request an investigation. Call or write the Maryland Department of Agriculture, Pesticide Regulation Section, 50 Harry S Truman Parkway, Annapolis, Maryland 21401, 410/841-5710.

If you have any questions concerning a pesticide or its application, you can contact:

- Your lawn or landscape plant pest control firm- **Lawn Doctor: 410-526-6400**
- The National Pesticide Information Center (NPIC): 1-800-858-7378
- National Poison Control: **1-800-222-1222**
- Maryland Department of Agriculture, Pesticide Regulation Section: 410-841-5710
- University of Maryland Home and Garden Information Center: 1-800-342-2507
- University of Maryland, Cooperative Extension Service - county office

## **PRODUCT SAFETY INFORMATION**

Lawn Doctor of Reisterstown – Carroll County is licensed with the MD Department of Agriculture, **License # 1018**, and MD certified technicians within the company supervise all service applications. **The products listed below represent a sampling of the products we may use with different services, at different times of the year, on an as needed basis. This means we only apply what is necessary to control a problem at that time; this is a best management approach for responsible plant health care.** Our custom equipment is ground metered to apply what is needed at the correct application rate.

The product safety information below is derived from safety data sheets provided by the manufacturer and approved by the MD Dept. of Agriculture in its condensed form. **The product information references concentrated materials in their prepackaged state; the end use product applied has been diluted according to label recommendations. Please understand that the safety statements describe contact with the prepackaged concentrate, which is far more potent than the diluted product applied.**

## **LAWN CARE PRODUCTS:**

### **COMMON NAME: Dimethylamine Salt and Triethylamine Salt (Horsepower) E.P.A. #228-313**

STATEMENT OF PRACTICAL TREATMENT: IF IN EYES: In case of eye contact, immediately flush with plenty of water for 15 minutes. Call a physician at once. IF ON SKIN: Wash promptly with soap and water. Get medical attention. IF SWALLOWED: Call a physician or Poison Control Center at once. IF INHALED: Remove victim to fresh air. Get medical attention.

PRECAUTIONARY STATEMENT: Corrosive, causes eye damage and skin irritation. Do not get into eyes on skin or on clothing. May be fatal if swallowed.

ENVIRONMENTAL HAZARDS: This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and non target plants.

POST APPLICATION INFORMATION: Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried or dust has settled. Seed can be sown 3-4 weeks after application at recommended rates.

### **COMMON NAME: 2,4-D, Mecoprop-p and dicamba (Mec Amine-D weed control) E.P.A. # 34704-239**

STATEMENT OF PRACTICAL TREATMENT: IF IN EYES: In case of eye contact, immediately flush with plenty of water for 15 minutes. Call a physician at once. IF ON SKIN: Wash promptly with soap and water. Get medical attention. IF SWALLOWED: Call a physician or Poison Control Center at once. IF INHALED: Remove victim to fresh air. Get medical attention.

PRECAUTIONARY STATEMENT: Corrosive, causes eye damage and skin irritation. Do not get into eyes on skin or on clothing. May be fatal if swallowed.

ENVIRONMENTAL HAZARDS: This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and non target plants.

POST APPLICATION INFORMATION: Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried or dust has settled. Seed can be sown 3-4 weeks after application at recommended rates.

### **COMMON NAME: bifenthrin (Crosscheck Plus insect control) E.P.A. # 279-3206-10404**

STATEMENT OF PRACTICAL TREATMENT: If swallowed, call a physician or Poison Control Center. If inhaled, remove victim to fresh air. Get medical attention. If on skin, wash with plenty of soap and water. Get medical attention. If in eyes, flush with plenty of water. Call a physician if irritation persists.

PRECAUTIONARY STATEMENT: Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing.

ENVIRONMENTAL HAZARDS: This pesticide is extremely toxic to fish and aquatic invertebrates. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds.

POST APPLICATION INFORMATION: Do not allow people or pets on treated surfaces until spray has dried.

### **COMMON NAME: 2, 4-D, MCPA, dicamba and sulfentrazone (Surge weed control) E.P.A. # 2217-833**

STATEMENT OF PRACTICAL TREATMENT: IF IN EYES: In case of eye contact, immediately flush with plenty of water for 15 minutes. Call a physician at once. IF ON SKIN: Wash promptly with soap and water. Get medical attention. IF SWALLOWED: Call a physician or Poison Control Center at once. IF INHALED: Remove victim to fresh air. Get medical attention.

PRECAUTIONARY STATEMENT: Corrosive, causes eye damage and skin irritation. Do not get into eyes on skin or on clothing. May be fatal if swallowed.

ENVIRONMENTAL HAZARDS: This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and non target plants.

POST APPLICATION INFORMATION: Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried or dust has settled. Seed can be sown 3-4 weeks after application at recommended rates.

### **COMMON NAME: proflaminate (Cavalcade crabgrass control Plus Fertilizer) E.P.A. # 34764-820 or #60063-43-534**

STATEMENT OF PRACTICAL TREATMENT: If on skin, wash with soap and water. Rinse thoroughly. If inhaled, remove to clear air. If in eyes, flush thoroughly with water for several minutes. Contact a physician if irritation persists.

PRECAUTIONARY STATEMENT: Harmful if inhaled or absorbed through the skin. Avoid contact with skin, eyes, or clothing. Avoid breathing dust. Prolonged or frequently repeated skin contact, while mixing or handling the concentrated material, may cause allergic reactions in some individuals.

ENVIRONMENTAL HAZARDS: This product has low solubility in water. At the limit of solubility, this product is not toxic to fish. However, at concentrations substantially above the level of water solubility, it may be toxic to fish. Drift or runoff from treated areas may be hazardous to aquatic organisms in adjacent sites.

POST APPLICATION INFORMATION: Only protected handlers may be in the area during application. Do not graze or feed livestock forage cut from areas.

### **COMMON NAME: glyphosate (Prosecutor Pro) E.P.A. #524-536-10404**

STATEMENT OF PRACTICAL TREATMENT: If in eyes, immediately flush with plenty of water. Get medical attention if irritation persists. DOMESTIC ANIMALS: This product is considered to be relatively nontoxic to dogs and other domestic animals; however, ingestion of this product or large amounts of freshly sprayed vegetation may result in temporary gastrointestinal irritation. If such symptoms are observed, provide the animal with plenty of fluids to prevent dehydration. Call a veterinarian if symptoms persist for more than 24 hours.

PRECAUTIONARY STATEMENT: Causes eye irritation. Avoid contact with eyes or clothing.

POST APPLICATION INFORMATION: Keep people and pets off treated areas until spray solution has dried to prevent transfer of this product.

### **COMMON NAME: sulfentrazone (Dismiss sedge grass control) E.P.A. # 279-3295**

STATEMENT OF PRACTICAL TREATMENT: If in eyes, immediately flush with plenty of water. Get medical attention if irritation persists. If swallowed, get medical attention.

PRECAUTIONARY STATEMENT: Causes eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing.

ENVIRONMENTAL HAZARDS: This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

POST APPLICATION INFORMATION: Keep people off treated areas until spray solution has dried.

**COMMON NAME: propiconazole (Banner, Banner Maxx fungus control) E.P.A. # 100-741**

STATEMENT OF PRACTICAL TREATMENT: If in eyes, hold eyelids open and flush with a steady gentle stream of water. Get medical attention. If on skin, wash with plenty of soap and water. Get medical attention. If inhaled, move victim to fresh air. If swallowed, call a physician or Poison Control Center.

PRECAUTIONARY STATEMENT: Causes substantial, but temporary eye injury. Do not get in eyes or on clothing. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid contact with skin or clothing. Avoid breathing spray mist.

ENVIRONMENTAL HAZARDS: This pesticide is toxic to fish.

POST APPLICATION INFORMATION: Do not enter treated areas without protective clothing until sprays have dried. Turfgrass/Dichondra: Do not graze animals on treated areas. Do not feed clippings from treated areas to livestock or poultry.

**COMMON NAME: trichlorfon (Proxol, Dylox insect control) E.P.A. # 3125-406-10404**

STATEMENT OF PRACTICAL TREATMENT: If swallowed, call a physician or Poison Control Center. If in eyes, flush with plenty of water. Get medical attention. If on skin, wash skin with soap and warm water. Get medical attention. If inhaled, remove victim to fresh air. Get medical attention.

PRECAUTIONARY STATEMENT: May be fatal if swallowed or inhaled. Causes substantial but temporary eye injury. Harmful if absorbed through the skin. Avoid breathing mist or dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some people.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and wildlife and is extremely toxic to aquatic invertebrates. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

POST APPLICATION INFORMATION: Keep adults, children and pets off treated areas until spray has dried. For white grub control, thoroughly irrigate after application.

**COMMON NAME: Chlorantraniliprole (Acelepryn insect control) E.P.A. # 100-1500**

STATEMENT OF PRACTICAL TREATMENT: If swallowed, call a physician or Poison Control Center. If in eyes, flush with plenty of water. Get medical attention. If on skin, wash skin with soap and warm water. Get medical attention. If inhaled, remove victim to fresh air. Get medical attention.

PRECAUTIONARY STATEMENT: When used as directed this product does NOT present a hazard to humans or domestic animals.

ENVIRONMENTAL HAZARDS: This product is toxic to aquatic invertebrates, oysters and shrimp. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

POST APPLICATION INFORMATION: For white grub control, thoroughly irrigate after application.

**COMMON NAME: Triclopyr, 2-4D, Dicamba (Chaser 2 Amine ) E.P.A. # 34704-930**

STATEMENT OF PRACTICAL TREATMENT: If swallowed, call a physician or Poison Control Center. If in eyes, flush with plenty of water. Get medical attention. If on skin, wash skin with soap and warm water. Get medical attention. If inhaled, remove victim to fresh air. Get medical attention.

PRECAUTIONARY STATEMENT: May be fatal if swallowed or inhaled. Causes substantial but temporary eye injury. Harmful if absorbed through the skin. Avoid breathing mist or dust. Prolonged or frequently repeated skin contact may cause allergic reactions in some people.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and wildlife and is extremely toxic to aquatic invertebrates. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

POST APPLICATION INFORMATION: Keep adults, children and pets off treated areas until spray has dried.

**COMMON NAME: Triclopyr(Turflon Ester Ultra) EPA # 62719-566**

STATEMENT OF PRACTICAL TREATMENT: If in eyes, immediately flush with plenty of water. Get medical attention if irritation persists. If swallowed, get medical attention.

PRECAUTIONARY STATEMENT: Causes eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing.

ENVIRONMENTAL HAZARDS: This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

POST APPLICATION INFORMATION: Keep people off treated areas until spray solution has dried.

**COMMON NAME: dithiopyr (Dimension crabgrass control Plus Fertilizer) E.P.A. # 5905-NC-018**

STATEMENT OF PRACTICAL TREATMENT: If in eyes, immediately flush with plenty of water. Get medical attention if irritation persists. If inhaled, remove individual to fresh air. Seek medical attention if breathing difficulty develops.

PRECAUTIONARY STATEMENT: Causes eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites.

POST APPLICATION INFORMATION: Do not use clippings from treated turf for mulching around vegetables or fruit trees. Keep people and pets off treated areas until dust has settled.

**COMMON NAME: MOMENTUM 4-SCORE(Fluroxypyr-meptyl, Triclopyr, Sulfentrazone, 2-4-D) EPA#2217-1034-10404**

STATEMENT OF PRACTICAL TREATMENT: Causes eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing.

PRECAUTIONARY STATEMENT: Causes eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites.

POST APPLICATION INFORMATION: Keep people off treated areas until spray solution has dried.

**COMMON NAME:DRIVE XLR8 (dimethylamine salt of quinclorac) EPA# 7969-272**

STATEMENT OF PRACTICAL TREATMENT: Causes eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing.

PRECAUTIONARY STATEMENT: Causes eye irritation. Harmful if inhaled. Avoid contact with eyes or clothing. Avoid breathing dust. Prolonged or frequently repeated skin contact while handling this material may cause allergic reaction in some individuals.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Drift and runoff from treated turf may adversely affect aquatic organisms in adjacent aquatic sites.

POST APPLICATION INFORMATION: Keep people off treated areas until spray solution has dried.

**COMMON NAME:CELERO (Imazosulfuron) EPA# 59639-155**

**STATEMENT OF PRACTICAL TREATMENT:** If in eyes, immediately flush with plenty of water. Get medical attention if irritation persists. If swallowed, get medical attention.

**PRECAUTIONARY STATEMENT:** Causes eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing.

**ENVIRONMENTAL HAZARDS:** This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

**POST APPLICATION INFORMATION:** Keep people off treated areas until spray solution has dried.

