



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460**

**OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION**

March 10, 2017

Christie Hitchcock  
Regulatory Specialist  
Verdesian Life Sciences U.S., LLC  
D/B/A Verdesian Life Sciences  
1001 Winstead Drive, Suite 480  
Cary, NC 27513

**Subject:** Labeling Notification per Pesticide Registration Notice (PRN) 98-10 – To Add Scientific Names for Pests and Update Company-Related Information (e.g., EPA Registration Number and Warranty Statement) Due to Transfer of the Registration  
Product Name: D7  
EPA Registration Number: 73771-4  
Application Date: 02/09/2017  
OPP Decision Number: 526223

Dear Ms. Hitchcock:

The U.S. Environmental Protection Agency (EPA) is in receipt of your application for notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Biopesticides and Pollution Prevention Division (BPPD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling submitted with this application has been stamped “Notification” and will be placed in our records. You must submit one (1) copy of the final printed labeling with the modifications.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance Assurance.

Page 2 of 2  
EPA Reg. No. 73771-4  
OPP Decision No. 526223

If you have any questions, please contact Alex Boukedes by phone at (703) 347-0305 or via email at [boukedes.alexandra@epa.gov](mailto:boukedes.alexandra@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Jeannine Kausch', with several overlapping loops and a long horizontal stroke extending to the right.

Jeannine Kausch, Product Manager 92  
Microbial Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure

**D7**

For suppression of Downy Brome (*Bromus tectorum*), (~~Cheatgrass~~ Cheatgrass) (*Bromus secalinus*), Medusahead (*Taeniatherum caput-medusae*), Japanese Brome (*Bromus japonicas*), and Jointed Goatgrass (*Aegilops cylindrical*) on Wheat, Barley, Triticale, Oats, and Rangeland

**ACTIVE INGREDIENT:**

*Pseudomonas fluorescens*, strain D7\* ..... 95.00%  
Other ingredients: ..... 5.00%  
..... 100.00%

**NOTIFICATION**

73771-4

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

03/10/2017

\*Contains a minimum of  $2 \times 10^{11}$  cells/g *Pseudomonas fluorescens* strain D7



**VERDESIAN**

Reg. No. ~~71975-473771-4~~  
Est. No. ~~71975-WA-00473701-WI-001~~  
~~Northwest Agricultural products~~ Verdesian Life Sciences, U.S., LLC  
~~P.O. Box 34531001~~ Winstead Drive, Suite 480  
~~Pasco, WA 99302~~ Cary, NC 27513  
~~(509)547-8234~~ Customer Service: 800-868-6446



**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

Net weight: 0.44 lb (200 grams)

Batch #

**FIRST AID**

**IF INHALED:**

- Move person to fresh air.
- If person is not breathing, call 9-1-1 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

**IF SWALLOWED:**

- 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 by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

**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 Infotrac at 1-800-535-5053 for

emergency medical treatment information.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS  
CAUTION**

Harmful if inhaled. Avoid breathing spray mist. Remove contaminated clothing and wash clothing before reuse. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- NIOSH approved respirator with at least N-95, R-95, or P-95 filter. Repeated exposures to high concentrations of microbial proteins can cause allergic reactions.

Follow manufacturer's instructions for cleaning and maintaining PPE. Mixers/loaders and applicators must wear a dust/mist filter respirator meeting NIOSH standards of at least N-95, R-95 or P-95. Repeated exposures to high concentrations of microbial proteins can cause allergic sensitization. If no such instructions are available, use detergent and hot water for washables. Keep and wash PPE separately from other laundry.

**OPTIONAL STATEMENT:** [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, and 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.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water or 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 or runoff from treated areas.

## **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

### **AGRICULTURAL USE REQUIREMENTS**

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 State or Tribal agency responsible for pesticide regulation.

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, forest, seed treatment facilities and non-commercial seed treatment activities, nurseries and greenhouses and handlers of agriculture 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 workers entry into treated areas during the restricted entry interval (REI) of 4 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
- Water proof gloves
- Shoes plus socks

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

### **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 Standard (WPS) 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.

**DO NOT** enter treated areas without protective clothing until sprays have dried.

## D7 Master Label

D7 is a freeze dried powder that is dissolved in water and applied as a spray solution to the soil surface. Dissolve D7 in water and direct spray solution on the soil surface at a minimum rate of 1 gram (g)/acre. Optimum application conditions are cool (<50°F) and wet (measurable precipitation). Hot (>60°F) and dry conditions will limit the effectiveness of this application. For best results apply before rain in the fall or spring before germination and with daytime temperatures below 50°F.

D7 is for use in preemergence applications. Use coverage characteristics of the application equipment to determine the volume of water. Use 10 to 30 gallons of solution per acre for conventional-tillage applications. **For other applications use 15 to 50 gallons per acre of spray solution. If there is dense vegetation or residue use 20 to 50 gallons per acre of spray solution.**

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

Apply up to 4 times per 12 month period for a maximum annual application of 8 g/acre.

### **Cereal Grains: wheat, barley, triticale, oats**

Apply at preemergence before or after seeding.

Dilute product in water to apply at a rate of 2 g (0.07 ounces)/acre.

For ground application, apply in 10 to 50 gallons of spray per acre.

For aerial application use 2 to 10 gallons of water per acre. Use adequate spray volume to provide accurate and uniform distribution of spray particles over the treated area and to avoid spray drift.

### **Turf and grasses grown for seed: bluegrass, ryegrass, fescue, needle grass**

Apply at preemergence before or after seeding.

Dilute product in water to apply at a rate of 2 g (0.07 ounces)/acre.

For ground application, apply in 10 to 50 gallons of spray per acre.

For aerial application use 2 to 10 gallons of water per acre. Use adequate spray volume to provide accurate and uniform distribution of spray particles over the treated area and to avoid spray drift.

### **Alfalfa**

Apply at preemergence before or after seeding.

Dilute product in water to apply at a rate of 2 g (0.07 ounces)/acre.

For ground application, apply in 10 to 50 gallons of spray per acre.

For aerial application use 2 to 10 gallons of water per acre. Use adequate spray volume to provide accurate and uniform distribution of spray particles over the treated area and to avoid spray drift.

### **Rangeland**

Dilute product in water to apply at a rate of 2 g (0.07 ounces)/acre.

For ground application, apply in 10 to 50 gallons of spray per acre.

## D7 Master Label

For aerial application use 2 to 10 gallons of water per acre. Use adequate spray volume to provide accurate and uniform distribution of spray particles over the treated area and to avoid spray drift.

**Do not allow cattle to graze on applied rangeland within 24 hours of application.**

### Seed Treatment

This product may also be applied as a seed treatment for the above crops. Apply to seeds at rate of 2-4 g (0.07 to 0.14 ounces)/100 pounds of seed.

**Do not use with other seed treatment products unless previous experience assures compatibility.**

**D7 may be applied as a water based slurry with other registered seed treatment products through standard slurry or mist-type commercial seed treatment equipment.**

**Do Not Apply Through Any Type of Irrigation System**

**Compatibility:** Do not use with adjuvants.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage:** D7 must be stored in the original container at temperatures less than 32°F. Product will last longer if kept below 0°F. Store pesticides away from food, pet food, feed, seed, fertilizers and veterinary supplies.

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

**Container Disposal:** Nonrefillable Container. Do not reuse or refill this container. Completely empty bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. If not emptied in this manner, the bag may be considered an acute hazardous waste and must be disposed in accordance with local, state and federal regulations. When completely empty, offer for recycling if available, or dispose of bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions for use of this product are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks 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 the manner of use or application, all of which are beyond the control of VERDESIAN LIFE SCIENCES (VERDESIAN). To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

VERDESIAN 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.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, VERDESIAN makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. To the extent consistent with applicable law, VERDESIAN disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product. No agent of VERDESIAN is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at VERDESIAN's election, the replacement of product.

**Conditions of Sale and Limitation of Warranty and Liability:**

~~**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.~~

~~The Directions for Use of this product are believed to be adequate and must be followed carefully, it is impossible to eliminate all the risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence or absence of other materials, or the manner of use or application, all of which are beyond the control of Northwest Ag Products, or the seller.~~

~~To the extent consistent with applicable law, the products sold to you are furnished "as is" by Northwest Ag Products. The manufacturer and the seller are subject only to the manufacturer's warranties, if any, which appear on the label of the product sold to you. Except as warranted by this label, Northwest Ag Products, the manufacturer, or the seller makes no warranties, guarantees, or representations of any kind to the buyer or the user, either express or implied, or by usage of trade, statutory or otherwise, with~~



~~regard to the product sold or use of the product, including, but not limited to, merchantability, fitness for a particular purpose or use, or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, Buyer's or user's exclusive remedy, and Northwest Ag Products, the manufacturer's or the seller's total liability shall be limited to damages not exceeding the cost of the product. No agent or employee of Northwest Ag Products, or the seller is authorized to amend the terms of this warranty disclaimer or the product's label or to make a presentation or recommendation different from or inconsistent with the label of this product.~~

~~To the extent consistent with applicable law, Northwest Ag Products, the manufacturer, or the seller shall not be liable for consequential, special, or indirect damages resulting from the use, handling, application, storage, or disposal of this product or for damages in the nature of penalties, and the buyer and the user waive any right that they may have to such damages.~~

~~TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF NORTHWEST AGRICULTURAL PRODUCTS AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF NORTHWEST AGRICULTURAL PRODUCTS OR SELLER, THE REPLACEMENT OF THE PRODUCT.~~

~~©Northwest Agricultural Products~~



EPA – 20140829 – REV 02/17 B1