

70506-272

8/21/2012

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

Sherry B Hutcheson  
United Phosphorus Inc  
630 Freedom Business Center Suite 402  
King of Prussia PA 19406

AUG 21 2012

Subject Application for Pesticide Notification (PRN 98 10)  
Pegasus DFX  
EPA Registration No 70506 272  
Decision No 468488  
Submission Date 7/20/12

Dear Ms Hutcheson

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98 10 The Registration Division (RD) 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 Agency acknowledges the alternate brand name Phoenix Pegasus DFX and the updates to the emergency contact numbers company name/address and warranty statement

The label submitted with the application has been stamped Notification and will be placed in our records If you have questions concerning this letter please contact Dominic Schuler at (703) 347 0260 or via email at [schuler.dominic@epa.gov](mailto:schuler.dominic@epa.gov)

Sincerely

A handwritten signature in black ink, appearing to read "Tony Kish".

(tsr)  
Tony Kish  
Product Manager 22  
Fungicide Branch  
Registration Division (7504P)



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**United Phosphorus, Inc**  
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Tony Kish (PM 22)  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U S Environmental Protection Agency  
Ariel Rios Building  
1200 Pennsylvania Ave N W  
Washington DC 20460

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**RE Notification of label changes for Pegasus DFX (EPA Reg No 70506 272)**

Dear Mr Kish

Due to the transfer of this product to United Phosphorus Inc we are providing a notification to the Agency which addresses the following updates to the label

- Notification of the Alternate Brand Name to Phoenix Pegasus DFX
- Company name and address to reflect current ownership
- Emergency contact information has been updated
- Warranty statement updated to the one used by United Phosphorus Inc

In addition to this letter the following are enclosed

- EPA application form 8570 1
- One copy of the label clearly marked to show the proposed changes
- ~~One~~ clean copies of the proposed label
- One CD with the proposed label
- Certification of Label Integrity Form

If you have any questions please feel free to contact me at 229 247 9041 or [sherry.hutcheson@uniphos.com](mailto:sherry.hutcheson@uniphos.com)

Thank you for your kind attention to this matter

Best regards

A handwritten signature in black ink, appearing to read 'Sherry B Hutcheson'.

Sherry B Hutcheson  
Regulatory Affairs Manager

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# NOTIFICATION

AUG 2 1 2012

## Phoenix Pegasus DFX

<b>ACTIVE INGREDIENT</b> Chlorothalonil (tetrachloroisophthalonitrile)	<b>% BY WT</b> 82.5%
<b>OTHER INGREDIENTS</b>	<u>17.5%</u>
<b>TOTAL</b>	100.0%

### KEEP OUT OF REACH OF CHILDREN DANGER - PELIGRO

Si usted no entiende la etiqueta busque a alguien para que se la explique a usted en detalle (If you do not understand this label find someone to explain it to you in detail )

FIRST AID	
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air</li> <li>• If person is not breathing call 911 or an ambulance and then give artificial respiration preferably mouth to mouth if possible</li> <li>• Call a poison control center or doctor for further treatment advice</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <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>
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <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 eye</li> <li>• Call a poison control center or doctor for treatment advice</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice</li> <li>• Have affected person sip a glass of water if able to swallow</li> <li>• Do not induce vomiting unless told by a poison control center or doctor</li> <li>• Do not give anything by mouth to an unconscious person</li> </ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact the Rocky Mountain Poison Control Center at 1 866 673 6671 for emergency medical treatment advice.	
<b>NOTES TO PHYSICIAN</b> Probable mucosal damage may contraindicate the use of gastric lavage. Persons having a temporary allergic reaction respond to treatment with antihistamines or steroid creams and/or systemic steroids.	

**FOR CHEMICAL EMERGENCY Spill, leak, fire, exposure, or accident  
call CHEMTREC 1 800-424 9300**

Net Contents \_\_\_\_\_ Lbs

United Phosphorus Inc  
630 Freedom Business Center Suite 402  
King of Prussia PA 19406 USA  
1 800 438 6071

EPA Reg No 70506 272  
EPA Est No \_\_\_\_\_

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER - PELIGRO**

Corrosive Causes irreversible eye damage May be fatal if inhaled Harmful if absorbed through skin Do not get in eyes on skin or on clothing Wear protective eyewear (goggles face shield or safety glasses) Do not breathe dust Avoid contact with eyes skin or clothing Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Mixers loaders applicators and all other handlers must wear

Long sleeved shirt and long pants

Shoes plus socks

Protective eye wear

Chemical resistant gloves made of waterproof material such as barrier laminate butyl rubber nitrile rubber neoprene rubber polyethylene polyvinyl chloride or viton if you want more options follow the instructions for category A on an EPA chemical resistance category selection chart

For handling activities use a non powdered air purifying respirator equipped with an N R or P series filter

**USER SAFETY REQUIREMENTS**

Follow manufacturer's instructions for cleaning/maintaining PPE If no such instructions for washables use detergent and hot water Keep and wash PPE separately from other laundry Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate DO NOT reuse them

**ENGINEERING CONTROL 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 chewing gum using tobacco or using the toilet

Users should 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

Users should remove clothing immediately if pesticide gets inside Then wash thoroughly and put on clean clothing

**ENVIRONMENTAL HAZARDS**

This product is toxic to aquatic invertebrates and wildlife DO NOT apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas DO NOT contaminate water when disposing of equipment washwater or rinsate Chlorothalonil can contaminate surface water through spray drift DO NOT apply when weather conditions favor drift from treated areas Under some conditions it may also have a high potential for runoff into surface water for several days to weeks after application These include poorly draining or wet

soils with readily visible slopes toward adjacent surface waters frequently flooded areas and areas overlaying extremely shallow ground water areas with in field canals or ditches that drain to surface water areas not separated from adjacent surface waters with vegetated filter strips and areas over laying tile drainage systems that drain to surface water Chlorothalonil degradates are known to leach through soil into ground water under certain conditions as a result of label use This chemical is known to leach through soil into groundwater under certain conditions as a result of label use Use of this product in areas where soils are permeable particularly where the water table is shallow may result in ground water contamination

## **DIRECTIONS FOR USE**

### **Precautions and Restrictions**

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

DO NOT apply this product in a way that will contact workers or other persons or pets either directly or through drift Only protected handlers may be in the area during applications For any requirements specific to your State or Tribe consult the Agency responsible for pesticide regulation Use of this product on home lawns is prohibited

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## 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

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
- waterproof gloves
- shoes plus socks
- and protective eyewear

Special Eye Irritation Provisions This product is a severe eye irritant Although the restricted entry interval expires after 12 hours for the next 6 1/2 days entry is permitted only when the following safety measures are provided

At least one container designed specifically for flushing eyes must be available in operating condition at the WPS required decontamination site intended for workers entering the treated area

Workers must be informed in a manner they can understand

- that residues in the treated area may be highly irritating to their eyes
- that they should take precautions such as refraining from rubbing their eyes to keep the residues out of their eyes
- that if they do get residues in their eyes they should immediately flush their eyes using the eyeflush container that is located at the decontamination site or using other readily available clean water and
- how to operate the eyeflush container

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## 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 for agricultural pesticides (40 CFR part 170) DO NOT enter or allow others to enter into treated areas until spray deposits have dried

This product must not be applied within 150 feet (for aerial and air blast applications) or 25 feet (for ground applications) from marine/estuarine water bodies unless there is an untreated buffer area of that width between the area to be treated and the water body

Avoiding spray drift at the application site is the responsibility of the applicator. The interactions 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. The following drift management requirements must be followed to avoid off target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.

Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations they should be observed.

## Aerial Drift Advisory Information

### INFORMATION ON DROPLET SIZE

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly or under unfavorable conditions (see Wind Temperature).

### CONTROLLING DROPLET SIZE

- Volume Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed use higher flow rate nozzles instead of increasing pressure.
- Number of nozzles Use the minimum number of nozzles that provide uniform coverage.
- Nozzle orientation – Orientating nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- Nozzle type Use a nozzle type that is designed for the intended application. With most nozzle types narrower spray angles produce larger droplets. Consider using low drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift potential.

### BOOM LENGTH

For some use patterns reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

### 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. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

### **SWATH ADJUSTMENT**

When applications are made with a crosswind the swath will be displaced downwind. 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, small drops, etc.)

### **WIND**

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

### **TEMPERATURE AND HUMIDITY**

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

### **TEMPERATURE INVERSIONS**

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

## **Integrated Pest Management**

PEGASUS DFX is an excellent disease control agent when used according to label directions for control of a broad spectrum of plant diseases. PEGASUS DFX is recommended for use in programs that are compatible with the principles of Integrated Pest Management (IPM), including the use of disease resistant crop varieties, cultural practices, pest scouting, and disease forecasting systems which reduce unnecessary applications of pesticides.

## **Fungicide Resistance Management**

PEGASUS DFX is effective for strategic use in programs that attempt to minimize disease resistance to fungicides. Some other fungicides which are at risk from disease resistance exhibit a single site mode of fungicidal action. PEGASUS DFX, with a multi site mode of action, may be used to delay or prevent the development of resistance to single site fungicides. Consult with your federal or state Cooperative Extension Service representatives for guidance on the proper use of PEGASUS DFX in programs which seek to minimize the occurrence of disease resistance to other fungicides.

## **Mixing, Loading and Applying**

PEGASUS DFX is intended to be diluted into water and then applied to crops by typical agricultural spraying techniques. **Always apply PEGASUS DFX in sufficient water to obtain thorough uniform coverage of foliage and crop surfaces intended to be protected from disease.** Spray volume to be used will vary with crop and amount of plant growth. Spray volume should normally range from 20 to 150 gallons per acre (200 to 1400 liters per hectare) for dilute sprays and 5 to 10 gallons per acre (50 to 100 liters per hectare) for concentrate ground sprays and aircraft applications. Both ground and aircraft methods of application are recommended unless specific directions are given for a crop. Slowly invert container several times to assure uniform mixture. Measure the required amount of PEGASUS DFX and pour into the spray tank during filling. Keep agitator running when filling spray tank and during spray operations. Do not use on greenhouse grown crops.



### **Tank Mixing**

When tank mixing this product with other pesticides observe the more restrictive label limitations and precautions No label dosage rates should be exceeded This product cannot be mixed with any product containing a label prohibition against such mixing Do not combine PEGASUS DFX in sprayer tank with pesticides surfactants or fertilizers unless your prior use has shown the combination physically compatible effective and noninjurious under your conditions of use Do not combine PEGASUS DFX with Dipel 4L Foil Triton AG 98 Triton B 1956 or Latron B 1956 as phytotoxicity may result from the combination when applied to the crops on this label DO NOT tank mix Pegasus DFX with oil or with any adjuvants which contain oil as their principal ingredient Do not use with Copper Count N in concentrated spray suspensions

### **Applications through Sprinkler Irrigation Systems (Chemigation)**

Application through sprinkler irrigation systems is recommended only for those specific crops for which the notation chemigation OK is listed on this label

Apply this product only through center pivot motorized lateral move traveling gun solid set and portable (wheel move side roll end tow or hand move) irrigation system(s) DO NOT apply this product through any other type of irrigation system

Crop injury lack of effectiveness or illegal pesticide residues in the crop can result from non uniform distribution of treated water If you have questions about calibration you should contact State Extension Service specialists equipment manufacturers or other experts

DO NOT apply this product through irrigation systems connected to a public water system Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year

Controls for both irrigation water and pesticide injection systems must be functionally interlocked so as to automatically terminate pesticide injection when the irrigation water pump motor stops A person knowledgeable of the irrigation system and responsible for its operation shall be present so as to discontinue pesticide injection and make necessary adjustments should the need arise The irrigation water pipeline must be fitted with a functional automatic quick closing check valve to prevent the flow of treated irrigation water back toward the water source The pipeline must also be fitted with a vacuum relief valve and low pressure drain located between the irrigation water pump and the check valve to prevent back siphoning of treated irrigation water into the water source

Always inject PEGASUS DFX into irrigation water after it discharges from the irrigation pump and after it passes through the check valve Never inject pesticides into the intake line on the suction side of the pump

Pesticide injection equipment must be fitted with a functional normally closed solenoid operated valve located on the intake side of the injection pump Interlock this valve to the power system so as to prevent fluid from being withdrawn from the chemical supply tank when the irrigation system is either automatically or manually turned off

The pesticide injection pipeline must contain a functional automatic quick closing check valve to prevent the flow of fluid back toward the injection pump

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected

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Spray mixture in the chemical supply tank must be agitated at all times otherwise settling and uneven application may occur DO NOT apply when wind speed favors drift beyond the area intended for treatment

PEGASUS DFX may be used through two basic types of sprinkler irrigation systems as outlined in Sections A and B below Determine which type of system is in place and then refer to the appropriate directions provided for each type

#### **A Center Pivot Motorized Lateral Move and Traveling Gun Irrigation Equipment**

For injection of pesticides these continuously moving systems must use a metering pump such as a positive displacement injection pump of either diaphragm or piston type constructed of materials that are compatible with pesticides fitted with a system interlock and capable of injection at pressures approximately 2 to 3 times those encountered within the irrigation water line Venturi applicator units cannot be used on these systems

Fill chemical supply tank of injection equipment with water Operate system for one complete revolution or run across the field measuring time required amount of water injected and acreage covered Thoroughly mix recommended amount of PEGASUS DFX for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run Mixture in the chemical supply tank must be continuously agitated during the injection run Shut off injection equipment after one revolution or run but continue to operate irrigation system until PEGASUS DFX has been cleared from last sprinkler head

#### **B Solid Set and Portable (Wheel Move Side Roll End Tow or Hand Move) Irrigation Equipment**

With stationary systems an effectively designed in line venturi applicator unit is preferred which is constructed of materials that are compatible with pesticides however a positive displacement pump can also be used

Determine acreage covered by sprinkler Fill tank of injection equipment with water and adjust flow to use contents over a thirty to forty five minute period Mix desired amount of PEGASUS DFX for acreage to be covered with water so that the total mixture of PEGASUS DFX plus water in the injection tank is equal to the quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration No agitation should be required PEGASUS DFX can be injected at the beginning or end of the irrigation cycle or as a separate application Stop injection equipment after treatment is completed and continue to operate irrigation system until PEGASUS DFX has been cleared from last sprinkler head

### **Application Rates**

Dosage rates on this label indicate pounds of PEGASUS DFX per acre unless otherwise stated Under conditions favoring disease development the high rate specified and shortest application interval should be used

For each listed crop the maximum total amount of chlorothalonil active ingredient (lbs a /A) which may be applied per acre of that crop (or crop group) during each growing season is given in bold print within a box beneath the crop name For each crop use situation listed below the listed maximum individual and seasonal application rates must not be exceeded and the listed minimum retreatment intervals must not be decreased

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## TREE CROPS

Apply this product in sufficient water and with proper calibration to obtain uniform coverage of tree canopy. Application with ground equipment is preferable to aerial application because ground applications generally give better coverage of the tree canopy. If application with ground equipment is not feasible, this product may be applied with aircraft using at least 20 gallons of spray per acre. When concentrate sprays are used or when treating non-bearing or immature trees, use the lower rate of this product listed for the crop being treated.

DO NOT allow livestock to graze in treated areas.

**DO NOT apply Pegasus DFX within one week before or after application of oil or an oil based pesticide**

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Crop	PHI (days)	Diseases	RATE PER Acre	Spray Volume (gallons/acre)	Application Directions
Conifers 16.5 lbs a.i./A	N/A	Swiss needlecast	2.5 to 5 pounds	5 to 10 (concentrate ground or aircraft) to 100 (dilute)	Single application technique. In Christmas tree plantations or forest stands make one application in the spring when new shoot growth is 1/2 to 2 inches in length.
		Scleroderris canker (pines) Swiss needlecast	1.36 to 2.5 pounds		Make the first application in spring when new shoot growth is 1/2 to 2 inches in length. Make additional application at 3 to 4 week intervals until conditions no longer favor disease development. For use in nursery beds apply the highest rate specified on a 3 week schedule.
		Sirococcus tip blight	1.82 to 3.18 pounds		
		Rhizosphaera needlecast (spruces) Scirrhia brown spot (pines)	5 pounds		
		Cyclaneusma and Lophodermium needlecasts (pines)	2.5 to 5 pounds		
		Rhabdochne needlecast (Douglas fir)	1.36 to 2.5 pounds		Apply at budbreak and repeat at 3 to 4 week intervals until needles are fully elongated and conditions no longer favor disease development. In plantations of mixed provenance or when irregular budbreak occurs apply weekly until all trees have broken bud then every 3 to 4 weeks as specified above. In nursery beds use the high rate on a 3 week schedule.
		Botrytis seedling blight Phoma twig blight	2.5 pounds		Begin applications in nursery beds when seedlings are 4 inches tall and when cool moist conditions favor disease development. Make additional applications at 7 to 14 day intervals as long as disease favorable conditions persist.
		Autoecious needle rust (Weir's cushion rust) (spruces)	5 pounds		Begin applications when 10% of buds have broken and repeat twice thereafter at 7 to 10 day intervals.

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### TURFGRASSES

Do not use on home lawns and turf sites associated with apartment buildings daycare centers playgrounds recreational park athletic fields athletic fields located on or next to schools (i.e. elementary middle and high schools) campgrounds churches and theme parks Sod farm turf treated with chlorothalonil prior to harvest must be mechanically cut rolled and harvested Do not apply more than the following totals of chlorothalonil active ingredient from all registered product sources to the indicated types of turfgrass

TYPE OF TURFGRASS	TOTAL CHLOROTHALONIL ACTIVE INGREDIENT PER ACRE PER YEAR
Golf Course Greens	73 lbs
Golf Course Tees	52 lbs
Golf Course Fairways	26 lbs
Sod Farms	13 lbs
Other Turf	26 lbs

Apply PEGASUS DFX in 30 to 100 gallons of water per acre Apply with ground equipment only Begin applications when conditions favor disease development and repeat applications as long as these conditions persist Under severe disease conditions use the highest rate and shortest interval corresponding with the application schedule selected from the table below DO NOT mow or irrigate after treatment until spray deposit on turfgrass is thoroughly dry PEGASUS DFX should always be used in conjunction with good turf management practices

DISEASES* CONTROLLED	INTERVAL OF APPLICATION	GOLF COURSE GREENS & TEES RATE PER 1 000 SQ FT	GOLF COURSE FAIRWAYS AND OTHER TURF RATE PER ACRE
1 Dollar spot 2 Brown patch 3 Leaf spot Melting out Brown blight 4 Gray leaf spot	7 14 days	1 82 to 3 25 ounces (4 1 to 7 3 lbs a 1 /acre)	5 to 8 9 pounds (4 1 to 7 3 lbs a 1 /acre)
5 Red thread 6 Anthracnose 7 Copper spot 8 Stem rust (bluegrass) 9 Dichondra leaf spot	7 days or 14 days	3 25 ounces or 5 ounces (7 3 or 11 3 lbs a 1 /acre)	8 9 pounds or 13 7 pounds (7 3 or 11 3 lbs a 1 /acre)

Diseases listed are caused by fungi some of which are named as follows

- 1 Dollar spot *Sclerotinia homeocarpa* *Lanzia* or *Moellerodiscus* spp
- 2 Brown patch *Rhizoctonia solani* *R zeae* *R cerealis*
- 3 Leaf spots Melting out Brown blight *Drechslera* spp (including *D poae* *D siccans*) *Bipolaris sorokiniana* *Curvularia* spp
- 4 Gray leaf spot *Pyricularia grisea* *P oryzae*
- 5 Red thread *Laetisaria fuciformis*
- 6 Anthracnose *Colletotrichum graminicola*
- 7 Copper spot *Gloeocercospora sorghi*
- 8 Stem rust *Puccinia graminis*
- 9 Dichondra leaf spot *Alternaria* spp

**Gray Snow Mold** caused by *Typhula* spp Apply in sufficient water to obtain adequate coverage (2 to 10 gallons per 1 000 square feet) Apply 5 ounces of PEGASUS DFX per 1 000 square feet

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of turf area (13 7 pounds per acre) Application must be made before snow cover in autumn If snow cover is intermittent or lacking during the winter re apply PEGASUS DFX at monthly intervals until Gray Snow Mold conditions no longer prevail In areas where Pink Snow Mold (Microdochium or Fusarium patch) is likely to occur apply PEGASUS DFX at 5 ounces in combination with products containing iprodione at 1 82 ounces active ingredient per 1 000 square feet of turf area Read and observe all label directions for products containing these active ingredients

**Fusarium (Microdochium) Patch** PEGASUS DFX is effective against Fusarium patch only in areas where snow cover is intermittent or lacking during the winter Apply 5 ounces of PEGASUS DFX per 1 000 square feet of turf area Begin applications in late autumn and re apply at 21 to 28 day intervals until conditions favorable for Fusarium patch no longer prevail

**Algal scum** Apply PEGASUS DFX at 1 82 to 3 25 ounces per 1 000 square feet on a 7 to 14 day schedule When colonies of algae are well established every attempt should be made to dry out the afflicted area Once dry spiking or verticutting should be done to enhance turfgrass recovery in conjunction with the use of PEGASUS DFX Several applications of PEGASUS DFX at the high rate may be necessary for turfgrass recovery When environmental conditions are favorable for algae growth a preventive program with PEGASUS DFX will suppress recolonization of the turf

### ORNAMENTAL PLANTS

Apply PEGASUS DFX at a rate of 1 25 pounds per 100 gallons of water unless other directions are given in the tables below Apply enough diluted spray per acre to provide thorough coverage of all plant parts that are intended to be protected from disease generally ranging from 20 to 150 gallons per acre Repeat applications at 7 to 14 day intervals until conditions are no longer favorable for disease During periods when conditions favor severe disease incidence generally cloudy or wet weather apply PEGASUS DFX at 7 day intervals **DO NOT apply more than a total of 36 4 lbs chlorothalonil active ingredient per acre per growing season on field grown ornamentals**

Fruits and other structures which may be borne on treated plants **MUST NOT BE EATEN**

This product may be used in greenhouses DO NOT use mistflowers or high pressure spray equipment when making applications of this product in greenhouses

PEGASUS DFX is recommended for control of fungal diseases referred to by numbers in parentheses following each type of ornamental plant The user should test for possible phytotoxic responses using recommended rates on each type of ornamental plant on a small area prior to widespread use Applications made during bloom may damage flowers and/or fruits

### ORNAMENTALS RECOMMENDED FOR TREATMENT WITH PEGASUS DFX

Broadleaf Shrubs and Trees		
Andromeda ( <i>Pieris</i> ) (4) Ash ( <i>Fraxinus</i> ) (1) Aspen (1) Azalea (1 2 4) Buckeye Horsechestnut (1) Camellia (2) Cherry laurel (1) Crabapple (1 6) Dogwood (1) Eucalyptus (3) Euonymus (1) Firethorn ( <i>Pyracantha</i> ) (1)	Flowering almond (1 2) Flowering cherry (1 2) Flowering peach (1 2) Flowering plum (1 2) Flowering quince (1 2) Hawthorn (1 6) Holly (1) Lilac (5) Magnolia (1) Maple (1) Mountain laurel (1) Oak (red group only) (1 7)	Oregon grape ( <i>Mahonia</i> ) (6) Red tip ( <i>Photinia</i> ) (1) Poplar (1) Privet ( <i>Ligustrum</i> ) (1) Rhododendron (1 2 4) Sand cherry (1 2) Sequoia (1) Spirea (1) Sycamore Planetree (1) Viburnum (5) Walnut ( <i>Juglans</i> ) (1)

Flowering <sup>a</sup> Plants and Bulbs		
Arabian violet (2)	Gladiolus (1 2)	Petunia (1 4)
Begonia (1)	Hollyhock (6)	Phlox (1)
Carnation (1 2)	Hydrangea (foliage only) (1 6)	Poinsettia <sup>b</sup> (1)
Chrysanthemum (1 2)	Iris (1 2)	Rose <sup>c</sup> (1)
Crocus (1)	Lily (1)	Statice (1)
Daffodil (1)	Marigold (1)	Tulip (1)
Daisy (1)	Narcissus (1)	Zinnia (1 5)
Geranium (1 6)	Pansy (1)	

- a/ Avoid applications during bloom period on plants where flower injury is unacceptable  
b/ Discontinue applications prior to bract formation phytotoxicity is possible on the bracts  
c/ Use 0.9 pound of PEGASUS DFX per 100 gallons of water

Foliage Plants		
Aglaonema (1)	Ficus (1)	Parlor palm ( <i>Chamaedorea</i> ) (1)
Areca palm (1)	Florida ruffle fern (1)	Peperomia (1)
Artemesia (1)	Leatherleaf fern (1)	Philodendron (1 4)
Boston fern ( <i>Nephrolepis</i> ) (1)	Lipstick plant (1)	Prayer plant ( <i>Maranta</i> ) (1)
Dracaena (1)	Ming aralia (1)	Syngonium (1)
Dumbcane ( <i>Dieffenbachia</i> ) (1)	Oyster plant ( <i>Rhoeo</i> ) (1)	Zebra plant ( <i>Aphelandra</i> ) (1)
Fatsia ( <i>Aralia</i> ) (1)	Pachysandra (1)	

### DISEASES CONTROLLED WITH PEGASUS DFX

1 Leafspots & Foliar Blights		
Actinopelte leafspot	Corynespora stem & leafspots	Mycosphaerella ray blight
Alternaria leafspot or leaf blight	Curvularia leafspot	Myrothecium leafspot brown rot
Anthracnose ( <i>Gnomonia</i> <i>Glomerella Colletotrichum</i> <i>Discula</i> ) blights	Dactylaria leafspot	Phyllosticta leafspot
Black spot ( <i>Diplocarpon</i> )	Didymellina leafspot	Ramularia leafspot
Botrytis blights	Drechslera ( <i>Bipolaris</i> ) leafspots inkspot	Rhizoctonia web blight
Cephalosporium leafspot	Fabraea (Entomosporium) leafspot	Scab (Venturia)
Cercospora leafspot	Fusarium ( <i>Gibberella</i> ) leafspot	Septoria leafspot
Cercosporidium leafspot	Gloeosporium black leafspot	Sphaeropsis leafspot
Shothole ( <i>Stigmina</i> )	Marssonina leafspot	Stagonospora leaf scorch
	Monilinia blossom blight twig blight	Tan leafspot ( <i>Curvularia</i> )
		Volutella leaf blight

2 Flower Spots and Blights		
Botrytis flower spot flower blight	Monilinia blossom blight	Rhizopus blossom blight
Curvularia flower spot	Ovulinia flower blight	Sclerotinia flower blight

3 Cylindrocladium stem canker

4 Phytophthora leaf blight dieback

5 Powdery mildews		
Erysiphe cichoracearum	Sphaerotheca fuliginea	Microsphaera spp

6 Rusts		
Gymnosporangium spp	Pucciniastrum hydrangeae	Puccinia spp

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7 Taphrina blister

**STORAGE AND DISPOSAL**

DO NOT contaminate water food or feed by storage and disposal Open dumping is prohibited

**Pesticide Storage** Store in a cool place Protect from excessive heat

**Pesticide Disposal** Pesticide wastes are toxic Improper disposal of excess pesticide pesticide spray or rinsate is a violation of Federal law If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance

**Container HANDLING** Nonrefillable container Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate) After emptying and cleaning it may be allowable to temporarily hold rinsate or other pesticide related materials in the container Contact your state regulatory agency to determine allowable practices in your state Triple rinse container (or equivalent) promptly after emptying Triple rinse as follows Empty the remaining contents into application equipment or a mix tank Fill the container 1/4 full with water and recap Shake for 10 seconds Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal Drain for 10 seconds after the flow begins to drip Repeat this procedure two more times Offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities by burning If burned stay out of smoke

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**IMPORTANT INFORMATION  
READ BEFORE USING PRODUCT  
CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

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