

### Applying Pesticides in Enclosed Production Environments

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# When is a Structure an Enclosed Production Environment?

EPA Worker Protection Standard 40 CFR-Final Rule

o'production of an agricultural plant indoors or in a structure or space that is covered in whole or in part by any nonporous covering and that is large enough to permit a person to enter.

### **Enclosed Production Environments**



Greenhouses or Glass houses



High tunnels or Hoop houses



Mushroom or Rhubarb houses





### Porous Structures

• Shade houses are not considered an enclosed production environment

# Pesticide Labels

 Label must indicate that it can be used for greenhouses on the crop being produced



#### Suspension Concentrate

Active Ingredient	By Weight
Penthiopyrad	20.4%
Other Ingredients	79.6%
TOTAL	100.0%

DuPont<sup>™</sup> FONTELIS® fungicide (referred to below as DuPont<sup>™</sup> FONTELIS® fungicide, DuPont<sup>™</sup> FONTELIS®, FONTELIS® fungicide, or FONTELIS®) is a suspension concentrate containing penthiopyrad for the control or suppression of many important listed plant diseases. FONTELIS® fungicide contains mineral oil in the formulation.

#### Restrictions

- Use this product only in commercial and farm plantings.
- Do not use for home plantings.
- May be used in greenhouse production of tomatoes, peppers, and edible-peel cucurbits [cucumbers, summer squash].
- Do not formulate this product into other end-use products.

# Pesticide Labels

 Label may indicate that it can't be used in greenhouses



### syngenta

**Crop Tolerance:** Plant tolerance has been found to be acceptable for all crops on the label, however, not all possible tank-mix combinations have been tested under all conditions. When possible, it is recommended to test the combinations on a small portion of the crop to ensure that a phytotoxic response will not occur as a result of application.

Greenhouse Restrictions: DO NOT apply to tomatoes grown in greenhouses.

**Spray Drift Management:** To avoid spray drift, do not apply when conditions favor drift beyond the target area. The interaction of many equipment and weather related factors determine the potential for spray drift. AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR AND THE GROWER.

## The "Silent" Label

 No mention on the label of greenhouse use, or restrictions Yes= label explicitly allows greenhouse use No= label explicitly prohibits greenhouse use Silent= the product label does not mention greenhouse use (may be crop specific)



Trade Name	Common Name	Signal Word	FRAC Code	Greenhouse Use	OMRI
Actigard*	acibenzolar-s-methyl	Caution	21	silent	
Actinovate AG*	Streptomyces lydicus WYEC 108	Caution	48	yes	X
Aframe	azoxystrobin	Caution	11	no	
Agri-Fos*	phosphorous acid	Caution	33	silent	
Agri-mycin 17°	streptomycin sulfate	Caution	25	yes	
Aliette WDG	fosetyl-aluminum	Caution	33	silent	
Allegiance-FL*	metalaxyl	Caution	4	certain crops, see label	
Aproach*	picoxystrobin	Caution	11	silent	
Apron XL*	mefenoxam	Warning	4	certain crops, see label	
Aprovia Top*	difenoconazole + benzovindiflupyr	Warning	3 + 7	no	
Ariston*	chlorothalonil + cymoxanil	Caution	M5 + 27	no	
Badge SC*	copper hydroxide + copper oxychloride	Danger	M1	yes	
Basic Copper 53*	copper sulfate	Warning	M1	no	X
Blocker 4F*	pentachloronitrobenzene (PCNB)	Caution	14	silent	
Botran 75W*	dichloro-nitroaniline	Caution	14	certain crops, see label	
Bravo Ultrex*	chlorothalonil	Danger	M5	no	

Midwest Vegetable Production Guide for Commercial Growers

### Where to Find Pesticide Labels

- On the product (do not remove)
- •From the manufacturer or seller (on-line or phone)
- On-line resources
  - •greenbook.net
  - •cdms.net
  - epa.gov/safepestcontrol/search-registeredpesticide-products



# EPA Search for Registered Products

 Access to most current label **EPA Registration Number:** 100-922

Company Name: SYNGENTA CROP PROTECTION, LLC

Address: 410 SWING ROAD

**P.O. Box:** 18300

City, State Zip: GREENSBORO, NC 274198300 First Registered Date: AUGUST 11, 2000

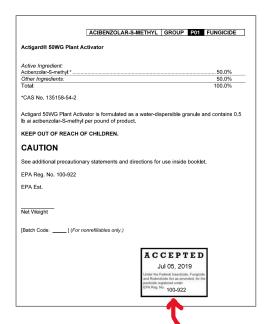
**Current Status (Date):** Registered (AUGUST 11, 2000)

**Restricted Use: NO** 



 Labels
 Chemical
 Alt Brand Name
 Inactive Alt Brand Name
 Transfer History
 Site
 Pest

EPA Reg. No.	Product Name	Accepted Date
100-922	ACTIGARD 50WG PLANT ACTIVATOR	July 05, 2019 (PDF)
100-922	ACTIGARD 50WG PLANT ACTIVATOR	<u>September 28, 2016 (PDF)</u>
100-922	ACTIGARD 50WG PLANT ACTIVATOR	<u>September 26, 2016 (PDF)</u>
100-922	ACTIGARD 50WG PLANT ACTIVATOR	<u>September 04, 2015 (PDF)</u>
100-922	ACTIGARD 50WG PLANT ACTIVATOR	June 11, 2013 (PDF)
100-922	ACTIGARD 50WG PLANT ACTIVATOR	February 25, 2013 (PDF)
100-922	ACTIGARD 50WG PLANT ACTIVATOR	April 25, 2012 (PDF)
100-922	ACTIGARD 50WG PLANT ACTIVATOR	July 19, 2010 (PDF)
100-922	ACTIGARD 50WG PLANT ACTIVATOR	November 06, 2009 (PDF)
100-922	ACTIGARD 50WG PLANT ACTIVATOR	June 08, 2009 (PDF)
100-922	ACTIGARD 50WG PLANT ACTIVATOR	January 07, 2008 (PDF)
100-922	ACTIGARD 50WG PLANT ACTIVATOR	July 11, 2007 (PDF)
100-922	ACTIGARD 50WG PLANT ACTIVATOR	August 01, 2006 (PDF)
100-922	ACTIGARD 50WG PLANT ACTIVATOR	February 20, 2004 (PDF)
100-922	ACTIGARD 50WG PLANT ACTIVATOR	March 21, 2003 (PDF)



epa.gov/safepestcontrol/search-registered-pesticide-products

## When in Doubt?-

- OSU Extension Specialists or Educators
- •Ohio Department of Agriculture (Pesticide Regulation)

### **COUNTY OFFICES**

#### **Adams County Office**

215 N Cross St, Room 104 West Union, Ohio 45693

PH: 937-544-2339 FAX: 937-544-8125

Visit the Adams County Office

website

Staff Directory

#### **Ashtabula County Office**

39 Wall St

Jefferson, Ohio 44047

PH: 440-576-9008

FAX: 440-576-5821

Visit the Ashtabula County

Office website Staff Directory

### **OSU Extension**

Connecting The Ohio State University to Ohioans

#### Pesticide & Fertilizer Section

Ohio Department of Agriculture 8995 E Main St Bldg 23

Reynoldsburg OH 43068

Department of Agriculture

Phone: 614-728-6987

Press 1 for: Licensing,
 Certification, Insurance

Press 2 for: Enforcement,
 Inspections, Complaints

• Press 3 for: Product Registration

Fax: 614-728-4235

**General Email:** 

pesticides@agri.ohio.gov

**Recertification:** 

AGRPestRecert@agri.ohio.gov

**Product Registration:** 

AGRPestFertProducts@agri.ohio.gov



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