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## New Requests for : flutriafol

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**Date of Request:** 6/9/2023 6:52:00 PM

**Related PRNumbers:**

**Name:** John Keller

**Affiliation:** Monrovia

**State:** CA

**ProjectType:** ConductCropSafety

**Crop Information:** Broadleaf Evergreen Tree/Shrub

**Scientific Name:** *Buxus*

**Common Name:** boxwood

**Plant Stage:** All stages

**UseSite:** container nursery, field-

**TradeName:** Rayora, Rhyme

**ActiveIngredients:** flutriafol

**Rate Per Application:** as per label

**Volume Per Application:** as per label

**Number of Applications:** as per label

**Application Interval:**

**Research Target:** Phytotoxicity

**Efficacy Target:**

**Economic Impact:** It's difficult to determine. Boxwood is a major nursery crop throughout the United States. A 2020 USDA report estimated that more than 11 million boxwood plants are sold annually, at a market value of \$126 million. Boxwood blight, caused by *Calonectria pseudonaviculata* has been introduced into the US relatively recently and threatens this crop and its use in landscapes.

**Labeled Products:** fludioxonil, pyraclostrobin, trifloxystrobin, tebuconazole, etc.

**Comments:** I'm not sure of the relative efficacy of the other labelled products relative to flutriafol.

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## New Requests for : Pydiflumetofen, Difenoconazole

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**Date of Request:** 11/2/2022 4:36:00 PM **Related PRNumbers:**

**Name:** Fulya Baysal-Gurel

**Affiliation:** Tennessee State University

**State:** TN

**ProjectType:** ConductEfficacy

**Crop Information:** Deciduous Tree/Shrub/Vine  
**Scientific Name:** *Cercis canadensis*  
**Common Name:** Redbud  
**Plant Stage:** Seedling

**UseSite:** Nursery field

**TradeName:** Postiva

**ActiveIngredients:** Pydiflumetofen, Difenoconazole

**Rate Per Application:** 20 fl oz/100 gal

**Volume Per Application:** till run off

**Number of Applications:** 8

**Application Interval:** 14 days

**Research Target:** Efficacy

**Efficacy Target:** Vascular streak dieback

**Economic Impact:** Complete loss of the impacted plants.

**Labeled Products:** None

**Comments:** In recent years, nurseries in multiple states have reported moderate to severe dieback, chlorosis and stunting of redbud. This dieback may continue into the main stem or stems of the tree and ultimately cause tree death. Streaking may be observed within the water-conducting tissue (xylem) of infected branches. This issue is impacting seedlings, grafted plants, older nursery stock produced in container or field production settings. Since this issue is listed as NCR priority topic; if it is appropriate, my team would like to receive support conducting trials in the Southern region, too.

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## New Requests for : Sulfuryl fluoride

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**Date of Request:** 8/16/2023 7:26:00 PM **Related PRNumbers:**

**Name:** Laura Lee Sims

**Affiliation:** Assistant Professor

**State:** LA

**ProjectType:** ConductEfficacy

**Crop Information:** Narrowleaf Evergreen Tree/Shrub

**Scientific Name:** *Pinus taeda*

**Common Name:** loblolly pine

**Plant Stage:** Before planting (Bedding) and Year 1 post planting

**UseSite:** field sites

**TradeName:** Profume® and/or Vikane®

**ActiveIngredients:** Sulfuryl fluoride

**Rate Per Application:** TBD work with manufacture on rates and volume

**Volume Per Application:** TBD

**Number of Applications:** one per treatment area

**Application Interval:** winter, November to February

**Research Target:** Efficacy

**Efficacy Target:** Control of *Atta texana* to improve *Pinus taeda* productivity

**Economic Impact:** Regionally in the western Gulf including west Louisiana and east Texas, the Texas leafcutting ant, *Atta texana*, is likely to cause more than \$5,000,000 in control and damage costs per year.

**Labeled Products:** PTM® (fipronil) is current, most effective product used but better options are needed

**Comments:** While loblolly pine is not a specialty crop Texas leafcutting ants are a western Gulf regional problem. The fumigant, methyl bromide, had been widely used for nearly 50 years with effective control. A very effective citrus pulp bait containing sulfluramid (Volcano®), was registered as an alternative to methyl bromide in Texas and Louisiana in 1999 but this is no longer available in the US due to the cost of re-registering by the company with very specific use only. Currently, PTM is used but better options are needed. In addition to fumigants, also interested in testing alternative baits.

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## New Requests for : TBD

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**Date of Request:** 10/28/2022 1:39:00 PM **Related PRNumbers:**

**Name:** Mark Yelanich

**Affiliation:** Metrolina Greenhosues Inc

**State:** NC

**ProjectType:** ConductEfficacy

**Crop Information:** Herbaceous Flowering Plant - Annual

**Scientific Name:** *Chrysanthemum, Dahlia, Pelargonium*

**Common Name:** Chrysanthemum, Dahlia, Geranium

**Plant Stage:** Finish

**UseSite:** Greenhouse, Nursery Fi

**TradeName:** TBD

**ActiveIngredients:** TBD

**Rate Per Application:** TBD

**Volume Per Application:** TBD

**Number of Applications:** TBD

**Application Interval:** TBD

**Research Target:** Efficacy

**Efficacy Target:** European Corn Borer -Ostrinia nubilalis

**Economic Impact:** The state of California has a ban for the interstate import of Chrysanthemum, geranium and dahlia from states were European Corn Borer is present. California has an option for treatment of the plants but as no approved control products to use for the treatment.

**Labeled Products:** None

**Comments:** We need an approved soil and foliage treatment for European Corn Borer for plants that will be acceptable for shipment into the state of California.

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## New Requests for : TBD

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**Date of Request:** 10/28/2022 2:13:00 PM **Related PRNumbers:**

**Name:** Corwin Graves

**Affiliation:** Green Circle Growers

**State:** OH

**ProjectType:** ConductEfficacy

**Crop Information:** Herbaceous Flowering Plant

**Scientific Name:** *Chrysanthemum, Dahlia, Pelargonium*

**Common Name:** Chrysanthemum, Dahlia, Geranium

**Plant Stage:** Finish

**UseSite:** Greenhouse

**TradeName:** TBD

**ActiveIngredients:** TBD

**Rate Per Application:** TBD

**Volume Per Application:** TBD

**Number of Applications:** TBD

**Application Interval:** TBD

**Research Target:** Efficacy

**Efficacy Target:** European Corn Borer - *Ostrinia nubilalis*

**Economic Impact:** The state of California has a ban for the interstate import of Chrysanthemum, geranium and dahlia from states where European Corn Borer is present. California has an option for treatment of the plants but as no approved control products to use for the treatment.

**Labeled Products:** None

**Comments:** We need an approved soil and foliage treatment for European Corn Borer for plants that will be acceptable for shipment into the state of California.

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## New Requests for Herbicides: Flumioxazin

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**Date of Request:** 3/27/2023 9:03:00 AM **Related PRNumbers:**

**Name:** Kendra Franke

**Affiliation:** Franke Farms LLC

**State:** NY

**ProjectType:** ConductCropSafety

**Crop Information:** Narrowleaf Evergreen Tree/Shrub

**Scientific Name:** *abies*

**Common Name:** fir

**Plant Stage:** dormant

**UseSite:** field

**TradeName:** Valor SX

**ActiveIngredients:** Flumioxazin

**Rate Per Application:** 12 oz. per acre or less

**Volume Per Application:** 10 -12 gal per acre

**Number of Applications:** 2 per year

**Application Interval:** 30 days

**Research Target:** Phytotoxicity

**Efficacy Target:**

**Economic Impact:** \$4,000,000

**Labeled Products:** Suregard

**Comments:** Valor SX should be labeled for Christmas trees in NY to allow NY growers to have a competitive edge in the market. Valor is the same product as Suregard and NY growers are forced to pay a higher price because of labeling constraints.

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## New Requests for : Mesotrione 40%

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**Date of Request:** 4/13/2023 11:51:00 AM

**Related PRNumbers:**

**Name:** Jatinder Aulakh

**Affiliation:** Connecticut Agricultural Experiment

**State:** CT

**ProjectType:** ConductCropSafety

**Crop Information:** Broadleaf Evergreen Tree/Shrub

**Scientific Name:** *Abies balsamea, Abies fraseri, Picea pungens, Pseudotsuga men*

**Common Name:** Balsam fir, Fraser Fir, Colorado blue spruce, Douglas fir

**Plant Stage:** New growth

**UseSite:** Christmas Tree Plantati

**TradeName:** MesotryOne 4L

**ActiveIngredients:** Mesotrione 40%

**Rate Per Application:** 7.5 fl oz/a

**Volume Per Application:** 20 gallons

**Number of Applications:** 2

**Application Interval:** 15 days

**Research Target:** Phytotoxicity

**Efficacy Target:**

**Economic Impact:** Christmas tree are produced on 15000 farms in the U.S. with average annual sales of ~30 million. Christmas tree growers seriously need an early post emergence herbicide for controlling annual grasses, yellow nutsedge, horseweed, and suppression of horsenettle and wild buckwheat. Preliminary research at Valley laboratory in Windsor, Connecticut and growers farms have revealed excellent tolerance of many conifers including firs, spruces and white pine.

**Labeled Products:** None

**Comments:**

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## New Requests for : ??

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**Date of Request:** 8/31/2023 3:33:00 PM **Related PRNumbers:**

**Name:** Robert Mayer

**Affiliation:** Mayer's Great Lakes Glads, Inc.

**State:** MI

**ProjectType:** ConductCropSafety

**Crop Information:** Bulbs & Corms

**Scientific Name:** *Paeonia lactiflora*,

**Common Name:** Peonies

**Plant Stage:** Pre emergence (which is cold application in Michigan in March)

**UseSite:** open fields

**TradeName:** What ever is licensed for use in the Netherlands

**ActiveIngredients:** ??

**Rate Per Application:** ??

**Volume Per Application:** ??

**Number of Applications:** 1

**Application Interval:** Pre emergence

**Research Target:** Efficacy

**Efficacy Target:** same as European or Australian label

**Economic Impact:** ???

**Labeled Products:** Gallery

**Comments:** We need full season weed control for peonies.  
Growers in New Jersey, New York, Illinois, Michigan, Wisconsin, Washington, California, Oregon, Minnesota, Indiana, Alaska, Missouri, etc.

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## New Requests for Herbicides: Pendimethalin

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**Date of Request:** 8/31/2023 3:41:00 PM **Related PRNumbers:**

**Name:** Robert Mayer

**Affiliation:** Mayer's Great Lakes Glads, Inc.

**State:** MI

**ProjectType:** ConductCropSafety

**Crop Information:** Bulbs & Corms

**Scientific Name:** *Gladiolus*

**Common Name:** Gladiolus

**Plant Stage:** Post Plant before emergence

**UseSite:** Field grown crop

**TradeName:** Stomp - labeled for gladiolus in the Netherlands

**ActiveIngredients:** Pendimethalin

**Rate Per Application:** ??

**Volume Per Application:** ??

**Number of Applications:** 1

**Application Interval:** Post plant before emergence of gladiolus

**Research Target:** Efficacy

**Efficacy Target:** Season long control of grasses and broad leaves. Replace Surflan

**Economic Impact:** ?

**Labeled Products:** Surflan

**Comments:** We need season long control of both broad leave and grasses. Gladiolus are grown in most of the Northern and Western states and Canada.

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