



MSU Ag Alerts


Recent Alerts

Insecticides for Pulse Crops (*Cropland Insects*)

Description: With increasing pulse acreage we have been receiving more questions about insecticides for pea, lentil and chickpea crops. Right now the best resource is a guide published by NDSU: <https://www.ag.ndsu.edu/pubs/plantsci/pests/e1143.pdf> (also attached). Another good resource, a new Pest Management Strategic Plan for Pulse Crops that includes insecticide recommendations, will become available soon. When selecting a particular product you must ensure that it is registered for use in Montana.

Alert Period: 03/08/2017 - 03/31/2017

Submitted By: Kevin Wanner and Gadi Reddy



Alert Documents: 

Cheatgrass suppressive bacteria *Pseudomonas fluorescens* D7 now registered in Montana (*Pesticides*)

Description: *Pseudomonas fluorescens* D7 was registered in 2014 as a bio-herbicide for suppression of cheatgrass (*Bromus tectorum*) under the trade name D7® by Verdesian Life Sciences, LLC, Cary, NC. D7 is now registered in Montana for use on wheat, barley, triticale, oats, and rangeland. See attached label and March Weed Post outlining D7 as well as two other *P. fluorescens* strains that are being developed for cheatgrass suppression. D7 is a freeze-dried powder that is dissolved in water and applied as a spray solution. D7 is a cold-loving organism that is best applied in late fall with cool temperatures, overcast skies, and rain. It stunts root growth and overall vigor of cheatgrass by colonizing intercellular spaces in the roots and producing compounds that inhibit cellular growth in seedlings. D7 has been shown to inhibit some native grasses, especially when plants are stressed due to other environmental factors.

Alert Period: 03/07/2017 - 05/07/2017

Submitted By: Jane Mangold


Alert Documents:  

Sanitation and prevention of soilborne plant diseases (*Cropland Diseases*)

Description: With increasing risks from soilborne plant diseases such as *Aphanomyces* root rot of legumes and Clubroot and *Verticillium* wilt on canola, cleaning equipment, trucks and boots between fields or using disposable footwear is important. See the attached alert. --Mary Burrows.

Alert Period: 02/27/2017 - 03/20/2017

Submitted By: mary burrows

Alert Documents: 

Fungicide seed treatment table for pulse crops (*Cropland Diseases*)

Description: See attached for the pulse crop seed treatment fungicide table and some comments. Please note strobilurin-resistant strains of *Ascochyta* blight on chickpea have been identified on two additional seed lots submitted for seed testing this spring. Growers will be notified and asked not to plant or sell as seed. The pathogen is at high risk of resistance development and careful MOA rotations, use of blends, and all cultural management options including crop rotation, use of resistant varieties, and best management practices to produce a healthy crop must

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