

Missouri's Pesticide-Sensitive Crop Registry and Locator

Missouri Department of Agriculture
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Pesticide-Sensitive Crops

- A crop that can have economic damage from pesticides that drift off-target
 - Grapes
 - Apples
 - Strawberries
 - Cane berries
 - Melons
 - Tomatoes
 - Broadleaf vegetables
 - Nursery crops
 - Certified organic or naturally grown crop



Why Start a Crop Registry?

- Increasing specialty crop acreage
- High-value crops at risk of injury
 - Grapes and tomatoes especially vulnerable
- Certification at risk for organic or naturally grown crops and acreage if contaminated

Why Start a Crop Registry?

- Applicators can use it to find locations so precautions can be taken
- Searchable by county and crop
- Print off location info and maps

Why Start a Crop Registry?

- Increased potential of drift with small acreages and more crop diversity near farms and urban areas
- Pesticide drift from neighboring farms or right-of-way can damage crop
 - New neighbors may not realize impact of their pesticide use
- Consistent with neighboring states – Kansas, Iowa, Oklahoma, Nebraska (in progress)

Effects from Pesticide Drift

- Visible crop damage
 - Phenoxy herbicides (such as 2,4-D, dicamba, triclopyr, etc.) can drift a mile
 - Glyphosate
 - Injury can range from mild damage to death of plants
 - Yield losses or replant
- Insecticide or fungicide residues can jeopardize certification
 - Harder to detect than herbicides



2,4-D damage to grapes



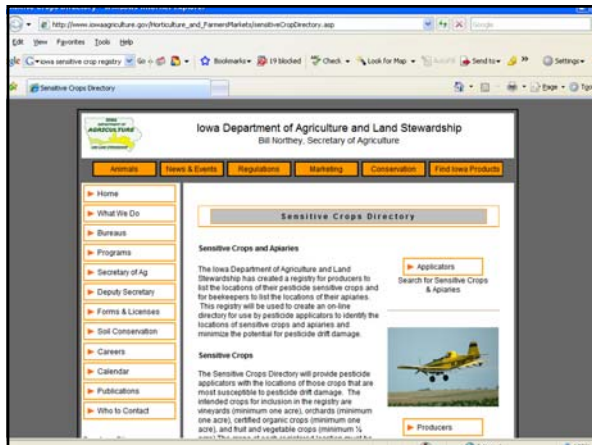
Benefits of Registry

- Commercial producers can register sensitive crop locations
 - Voluntary program
 - Risk management tool
 - “No Spray” signs
- Applicators can check for field locations in their areas
- Maps will make it easier to recognize location



Requirements

- Crops must be for commercial use
- Meet minimum acreage
 - One acre for vineyards, orchards, certified acres
 - One half acre fruit and vegetable crops
- If crops are organic or naturally grown they must be certified or in transition
- Review information annually and update



How to Get Listed

- Submit signed form
 - Section, township, range or GPS readings mean difficult-to-locate fields
- Location maps: highly desirable, much easier to locate sensitive crops
 - MDA can assist with maps

Timing for New Project

- Winter
 - Attend grower meetings and conferences and build database of participants
 - Pesticide Applicator Training packets have information on service
 - Web information on www.mda.mo.gov
- Anticipate publicizing early June

For Assistance

Information and form will be posted on MDA website, use “search” box at www.mda.mo.gov

Questions? Contact:
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