

# National Agronomic Environmental Health & Safety School

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**Vice President, News Media**

**and Stewardship**

**CropLife America**

**Bloomington, Ill.**

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# Stewardship Committee

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- **Allan Hovis, Bayer CropScience, NC**
- **Marty Fitzpatrick, BASF, NC**
- **Kirk Dietz, Dow AgrowScience, Indianapolis, ID**
- **Mark Thornsborough, Growmark, Bloomington, IL**
- **Raymond Thorney, DuPont, Newark, DE**
- **Stephen Adams, Monsanto, St. Louis, MO**
- **Bill Spencer, Arysta LifeScience, Cary, NC**
- **Elisabeth Magill, Crop Data Management Systems, Inc., Marysville, CA**



# Stewardship Mini-bulk DVD

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- **How to inspect mini-bulk containers to meet EPA 2011 rule**
- **Over 6,500 distributed**
- **Presentations at MACA and TPSA**
- **Continuing education of key stakeholders**

# CLA Stewardship Training Video

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## New Mini-Bulk Inspection DVD

- EPA Container and Containment Rule 8/2011
- CLA's no-glug video
- ACRC's triple rinse video
- Inspection checklist [www.aginspect.org](http://www.aginspect.org)
- Free to duplicate and distribute

# Stewardship Liaison

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- **AASA -- American Agronomic Stewardship Alliance**
- **ACRC -- Agricultural Container Recycling Council**
- **ASHCA -- Ag Safety and Health Council of America**
- **NAEHSS -- National Agronomic Environmental Health and Safety School**
- **The ASMARK Institute**
- **TPSA -- The Pesticide Stewardship Alliance**

# Other Stewardship Activities

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- **Work with ACRC on mini-bulk recycling**
- **Help resolve concerns over re-use of tanks by RIPA**
- **Update written tank clean out procedures**
- **Provide comments to EPA on cleaning refillables**
- **Consider possible video on tank cleaning**
- **Develop materials for CLA website**
- **Assist NCS with stewardship website—PES.com**
- **Benchmark members stewardship resources**
- **Continue liaison with key industry groups**

# follow the molecule



Chemical Raw Materials

Active Ingredient Synthesis

OSHA



T&D Committee



Inert Formulation Ingredients

Formulation Site

Chemical Waste Disposal Site



Bulk Terminals

Packaging Site



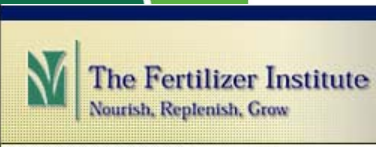
Re-fillers or Bulk Dealers



Dealer/Retail Warehousing & Consignments

SACS

Ag Warehouse



Growers & Applicators



Crop Residues  
Drift & Run-off

Obsolete Products  
Empty Packaging



Distributor Warehousing & Consignment



Reg Committee

# Safely Cleaning Refillable Pesticide Containers for Recycling

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**This guidance is intended for refillers, growers and others who have decided to recycle their refillable pesticide containers. Cleaning the container before recycling (or disposal) is the responsibility of the person recycling or disposing of the container.**



**ACRC**  
Ag Container Recycling Council

# MISSION STATEMENT

*The mission of the ACRC is to facilitate the collection and recycling of one-way rigid HDPE plastic agricultural crop protection, specialty pest control, micronutrient/fertilizer, and/or adjuvant product containers through member funding of cost effective programs that foster public health and safety, environmental protection, resource conservation and end user convenience.*



RON PERKINS

[www.acrecycle.org](http://www.acrecycle.org)



**ACRC**  
Ag Container Recycling Council

# Collection Program

**Northwest Ag  
Plastics**

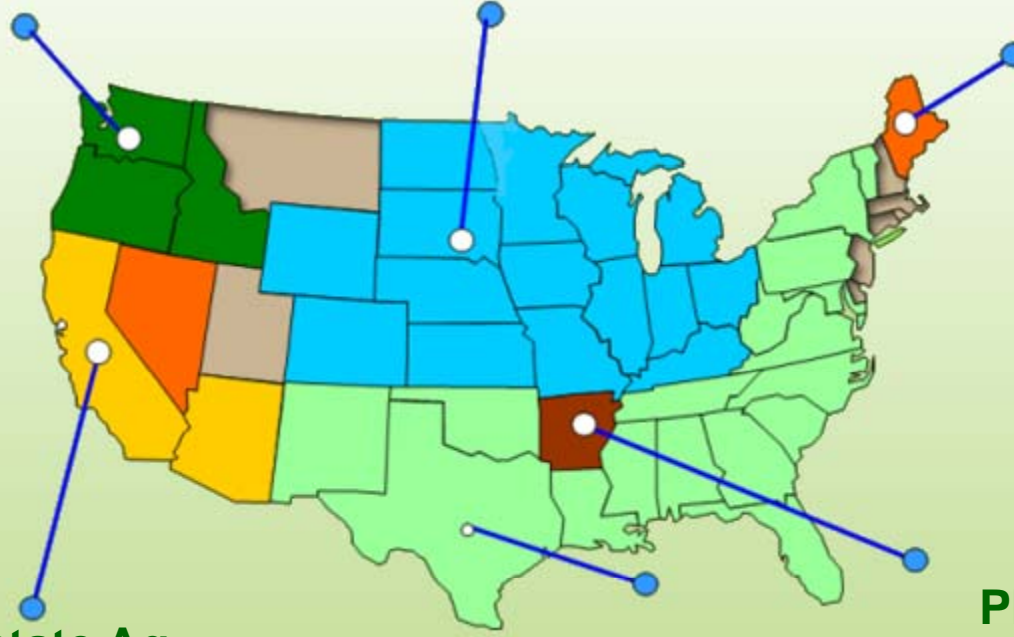
**CSN, LLC**

**ACRC-Maine  
Program**  
(3 baling sites)

**Interstate Ag  
Plastics**

**US Ag Recycling**

**MKC  
Plastics**



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[www.acrecycle.org](http://www.acrecycle.org)

Welcome to Pesticide Stewardship.org - Windows Internet Explorer

http://pesticidestewardship.org/Pages/default.aspx

File Edit View Favorites Tools Help Contribute Edit in Contribute Post to Blog

Welcome to Pesticide Stewardship.org

This website wants to run the following add-on: 'Name ActiveX Control' from 'Microsoft Corporation'. If you trust the website and the add-on and want to allow it to run, click here...

**Pesticide Environmental Stewardship**  
Promoting Proper Pesticide Use and Handling

Supported by CIPM  
Center for Integrated Pest Management

Recordkeeping Disposal Drift Water Non-Target Storage Handling Containers Spills Terms/Acronyms Calibration Core Tutorials Homeowner Search

Pesticide Environmental Stewardship

**Welcome to Pesticide Stewardship.org**

The purpose for the Pesticide Stewardship Web site is to provide convenient access to information on proper pesticide handling. Each topic printed in the menu bar above presents an overview of subject matter that has been written or compiled by specialists within the Cooperative Extension Service. The content of this Web site is intended for a national audience with links to state-specific compliance information, where available.

Crop producers, pesticide dealers, and commercial/professional applicators will benefit from the information presented in each topic, or module. Links to resources available on other Web sites or in print are presented in each module.

**Recordkeeping**

- Private Applicator Requirements
- Requirements for Non-Private Applicators
- Smart Items to Record
- Inspection of Records
- Benefits of Recordkeeping
- Fact Sheets and Web sites

**Disposal**

- Introduction
- Pesticide Disposal Options
- Federal Laws - Pesticide Disposal
- Treated Seed
- How to Deal with Label Changes
- Transporting Wastes
- Reduce the Need for Disposal
- Web links/Fact Sheets

**Drift**

- Types of Drift
- Evaluate the Site
- Evaluate the Weather
- Understanding Droplet Size
- Managing Drift with Nozzles and Boom Height
- More Drift Reduction Methods
- Air Blast Sprayers
- Aerial Application

**Acknowledgements**

[About this web site](#)  
A page acknowledging the authors of this site and the organizations that support them.

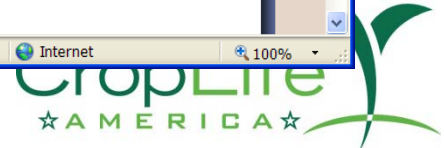
**Environmental Stewardship sites**

[Kid's Stuff](#)  
Projects, art and experiments to involve kids and students with environmental protection.

[Homeowner pest and pesticide information](#)  
When pests are found around your home or apartment, how can they be controlled safely? When and how should pesticides be used?



Done Internet 100%



# Pesticide Environmental Stewardship

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- **Summarize principles of pesticide stewardship;**
- **Direct users to resources (links) by stewardship topic; and,**
- **Provide educational modules and self-assessment tools.**

# Pesticide Environmental Stewardship

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- **Content on proper stewardship practices for any interested person**
- **Extension and other educators will use this site to prepare educational programs**
- **On-line program for recertification of licensed applicators or to prepare for state certification exams**

# Pesticide Environmental Stewardship

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- **Protection of Groundwater/Surface Water**
- **Recordkeeping**
- **Drift Management**
- **Protection of Non-Target Organisms**
- **Storage**
- **Disposal**
- **Spill Prevention and Cleanup**
- **Calibration**
- **Container Recycling**
- **Pesticide Resistance**
- **Transportation**
- **Integrated Pest Management**
- **Pesticide Safety for the Homeowner**



# Pesticide Environmental Stewardship

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- **Financial support by the Center for Integrated Pest Management (CIPM).**
- **The project has been approved by the Industry Advisory Board of CIPM as a core project.**
- **Funds have been given to each Regional Coordinator.**



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# Thank You



[www.croplifeamerica.org](http://www.croplifeamerica.org)

