

US EPA ARCHIVE DOCUMENT

Soil Fumigant RED Requirements Training Program

New Requirements For Soil Fumigant Pesticide Products

EPA - August 2010

Training Modules

1. Background on EPA's process and implementation
2. Overview of soil fumigant uses
3. Summary of risk concerns
4. Good Agricultural Practices (GAPs)
5. Worker protection measures
6. Fumigant Management Plans (FMPs)
7. Buffer zones and posting
8. Emergency preparedness and response, and related measures
9. Registrant requirements

Module 1
Soil Fumigant RED
Requirements

**The EPA Regulatory Process,
Implementation
and
Outreach**

The EPA Regulatory Process

Key Points

- Amended REDs issued June 2009
- Include measures to mitigate risks from fumigant pesticides
- Measures implemented through product labels
- Revised labels to have new measures in 2010 and 2011

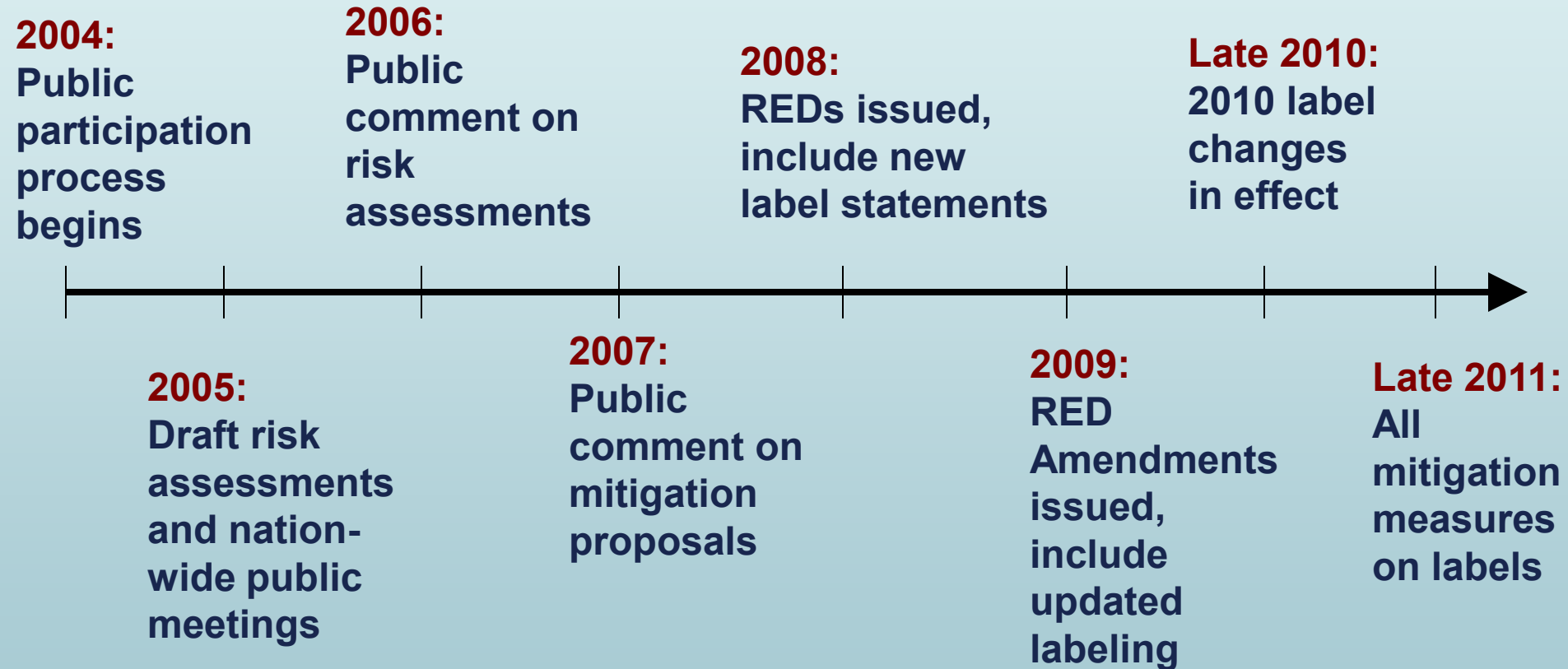
Reregistration Eligibility Decisions “REDs”

- Re-licensing decisions for chemicals used as soil fumigants
 - Methyl Bromide
 - Chloropicrin
 - Metam Sodium/Metam Potassium
 - Dazomet
- First comprehensive re-evaluation since products first registered

Goals of REDs

- Protect workers and bystanders but still maintain key benefits of use
- Ensure a level playing field when assessing fumigants and making decisions
- Establish requirements for use that are protective and reflect real-world situations

Regulatory Process Timeline



Goals of Mitigation Measures

Package of measures that work together to:

- Reduce
 - potential for direct exposure to toxic concentrations
 - likelihood of accidents and errors
- Foster planning and compliance
- Assure appropriate response to exposures

Mitigation Measures

- ☐ RUP classification for all soil fumigation products
- ☐ Required Good Agricultural Practices (GAPs)
- ☐ Rate Reductions
- ☐ Use site limitations
- ☐ Handler respiratory protection
- ☐ Tarp perforation and removal restrictions
- ☐ Reentry restrictions
- ☐ Training information for workers
- ☐ Fumigant Management Plans (FMPs)
- ☐ Outreach to first responders
- ☐ Applicator training
- ☐ Buffer zones
- ☐ Restrictions near difficult to evacuate sites
- ☐ Emergency preparedness and response measures
- ☐ Registrant-provided training, information and community outreach programs

Implementation and Outreach

Guidance for Compliance and Enforcement

- Compliance assistance in 2011-2012
 - Work with users to help understand labeling and how to comply
- Compliance monitoring in 2012-2013
 - Ensure compliance with labeling
- Response to complaints
 - Label violations? Egregious?
 - Judgment needed

Implementation Schedule

Risk Mitigation Measure	2010	2011
Good agricultural practices (GAPs)	•	•
Restricted use (new measure for metam sodium/ potassium & dazomet only)	•	•
New handler protections including changes to respiratory protection, tarp cutting/removal and worker reentry restrictions	•	•
Fumigant management plans and post application summaries	•/◻	•
Buffer zone distances, credits, and posting		•
Emergency preparedness measures		•
Difficult to evacuate sites		•
Notice to state lead agencies		•
Safe handling information	•	•
First responder, community outreach and certified applicator training	◻	•
Rate reductions and use site limitations	•	•

◻ under
development

• adopt

Implementation Schedule for Requirements on Labels

- Outreach.....Ongoing
- Phase 1 requirements on labels...Late 2010
- Phase 2 requirements on labels...Late 2011
- New evaluation begins under
Registration Review Program...2013

General Approach for Outreach

- Coordinate with Regions and States
- Focus on areas with highest soil fumigant usage
- Train-the-trainer
- Provide information and materials to participants

Regional Workshops

- High-use regions
 - Pacific Northwest
 - Southeast
 - Midwest
 - California
- Other regions invited and participating
- Meetings with states and stakeholders as opportunities arise

States & EPA Regions

- Managers and Staff
 - Pesticide Regulatory Education Program (PREP)
 - AAPCO and SFIREG
 - *Updates, Detailed presentations, Working sessions*
- Inspectors
 - Pesticide Inspectors Residential Training (PIRT) courses
 - State and Regional courses

Other Meetings & Outreach Activities

- Topic-Specific Workshops, Meetings
 - E.g., FMPs in Florida, MBAO
- Stakeholder Group Meetings
 - Growers, Applicators
 - Public Interest
 - Registrants
 - Training and Outreach Experts
 - Researchers

Outreach Materials

- Developing materials for outreach
- Include
 - Fact sheets
 - Presentations
 - Tools and templates

Visit . . .

www.epa.gov/oppsrrd1/reregistration/soil_fumigants

Or internet search for . . .

“soil fumigant implementation”

Summary

- REDs issued in June 2009
- New requirements established to mitigate risk – on labels in 2010 & 2011
- Ongoing outreach & implementation activities
- EPA has information and resources available for outreach & implementation

EPA Contact Information

- General Contact:
 - John Leahy (703) 305-6703
- Team Leaders:
 - Steven Weiss (703) 308-8293
 - Cathryn O'Connell (703) 308-0136
- Chemical Review Managers:
 - Methyl bromide: Susan Bartow (703) 603-0065
 - Metam sodium: Dana Friedman (703) 347-8827 and
Jose Gayoso (208) 347-5749
 - Dazomet: Dana Friedman (703) 347-8827
 - 1,3-D & Chloropicrin: Andrea Carone (703) 308-0122

E-mail: lastname.firstname@epa.gov