

The Dirt on New Federal Requirements for Soil Fumigants

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Overview

- **Federal re-registration process**
 - why we did what we did
 - timeline
- **New Federal requirements**



Why We Did What We Did

First comprehensive re-evaluation since products first registered

- Methyl Bromide
- Chloropicrin
- Metam Sodium/Metam Potassium
- Dazomet
- *1,3-Dichloropropene (Telone)
with Chloropicrin



Why We Did What We Did

- **Food Quality Protection Act**
- **New human and animal toxicity studies**
- **Monitoring studies**
- **Risk modeling**
- **Incident data**



Incident data

- **Low frequency of incidents relative to number of applications however...**
 - **severe effects can occur**
 - **major incidents involved many people**
 - **under reporting may occur (people offsite less likely to connect symptoms with pesticides)**
 - **equipment failure, applicator error, atmospheric conditions are primary factors**
 - **Lack of information to first responders**

Federal Mitigations

- **Package of measures to:**
 - ✓ **Reduce** potential for direct exposure to toxic concentrations
 - ✓ **Reduce** likelihood of accidents and errors
 - ✓ **Foster** planning
 - ✓ **Assure** appropriate response to exposures that occur



Implementation Timeline

December 2010/Spring 2011

- Phase 1 New Federal label changes
- ✓ No product bearing old labeling may be sold or distributed (release for shipment) by its registrant after December 1, 2010.

Late 2011/2012

- Second phase/full implementation of new fumigant label requirements implemented

2013

- EPA begins re-evaluation

Phase I Label changes

- RUP classification for all soil fumigation products *
- Handler respiratory protection *
- Required Good Agricultural Practices (GAPs)
- Rate Reductions & Use limitations
- Tarp perforation and removal restrictions
- Reentry restrictions
- Information for workers
- Fumigant Management Plans (FMPs)



Phase 2 Label changes

Late 2011/2012

- Buffer zones
- Restrictions near difficult to evacuate sites
- Emergency preparedness and response measures
- Registrant training for applicators
- Registrant outreach programs for first responders and communities



Sustainable Ag Expo 2010

Federal and State Coordination

- **New state requirements for Methyl Bromide, MITC, Chloropicrin in 2011.**
- **Developed a California Fumigant Management Plan (FMP) template.**
- **Joint training for CACs on integrating label requirements with Permits and NOIs.**

For More Information

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