



# **Soil Fumigants Cluster Assessment**

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**Presentation by Jim Jones  
Plenary Session Regarding  
Fumigant By-Stander Risk  
Assessment  
October 31, 2004**



# Scope: Human Health Risk Assessments for Soil Fumigants

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- Iodomethane
- Telone (1,3-dichloropropene)
- Methyl Bromide
- Chloropicrin
- Metam sodium/potassium
- Dazomet



# Objectives:

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- **Ensure that soil fumigants essential to agriculture are available and safe**
- **Ensure a level playing field by evaluating alternatives concurrently and consistently**
- **Ensure that risk management decisions don't result in risk/benefit tradeoffs that neither improve safety nor help agriculture**



# Challenges:

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- **Prediction of Bystander Exposure – modeling vs. monitoring**
- **Geographical variability, e.g., wind conditions, soil types**
- **Variability in toxic effects**
- **Practical risk management**



## Milestones/Schedule:

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- **October/November 2004**
  - ***Registrant error-only and USDA review of individual preliminary risk assessments***



## Milestones/Schedule (continued):

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- November – January 2004/2005
  - *Agency consideration of registrant error and USDA comments*
  - *Agency consideration of SAP recommendations regarding distributional exposure modeling*
  - *Preliminary risk assessments revised*



## Milestones/Schedule (continued):

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- February 2005
  - *Registrant error-only and USDA review of Agency modifications based on SAP recommendations regarding distributional exposure modeling*



## Milestones/Schedule (continued):

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- **March 2005**

- *Agency consideration of registrant error-only and USDA review of Agency modifications based on SAP recommendations regarding distributional exposure modeling*
- *Preliminary risk assessments revised*



## Milestones/Schedule (continued):

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### April/May 2005

- *60-day public comment period on preliminary risk assessments*



## Milestones/Schedule (continued):

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### June/July 2005

- *Agency consideration of public comments on preliminary risk assessments*
- *Agency completion of preliminary benefit assessments and risk management options, with input from stakeholders*



## Milestones/Schedule (continued):

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### August/September 2005

- *60-day public comment period on:*
  - *Revised risk assessments*
  - *Preliminary benefit assessments*
  - *Preliminary risk management options*
- *Technical Briefing*



## Milestones/Schedule (continued):

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### October-December 2005

- *Agency consideration of public comments on revised risk assessments, and preliminary benefit assessments and risk management options*
- *Agency development of risk management decision, in consultation with all stakeholders*