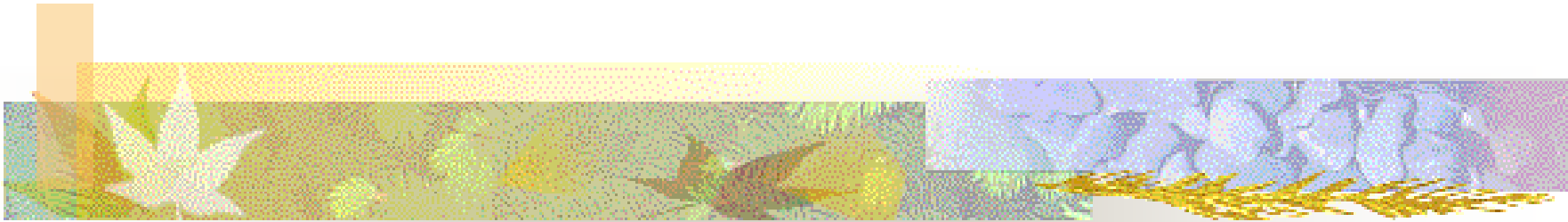


Guidelines for the Storage & Handling of Treated Seed





Seed Treatments Demand Respect

- Communication initiatives are underway to ensure safe handling of products and safe storage of treated seed
- Opportunity to enhance health and safety within your operations
- We all have a responsibility in good stewardship

Guidelines for the Storage & Handling of Treated Seed

- Guidelines established by stakeholders
- Launched 2000
- Reference Book & poster



Guidelines for the Storage & Handling of Treated Seed

- Facility Siting & Location
 - Treating facility & treated seed storage
- Facility & Equipment Design & Construction
 - General requirements
 - Seed treatment storage & treating operation
 - Mobile treating, treated seed storage



Guidelines for the Storage & Handling of Treated Seed

- General Facility Operations
 - Product segregation and labeling, Safety equipment, Inspections, Spill cleanup
- Employee Training
- General Documentation
- Emergency Response Planning & Practice



Disposal Options

- Planting and Desiccation
 - Up to 3X the regular seeding rate
 - Chemically controlled or tillage

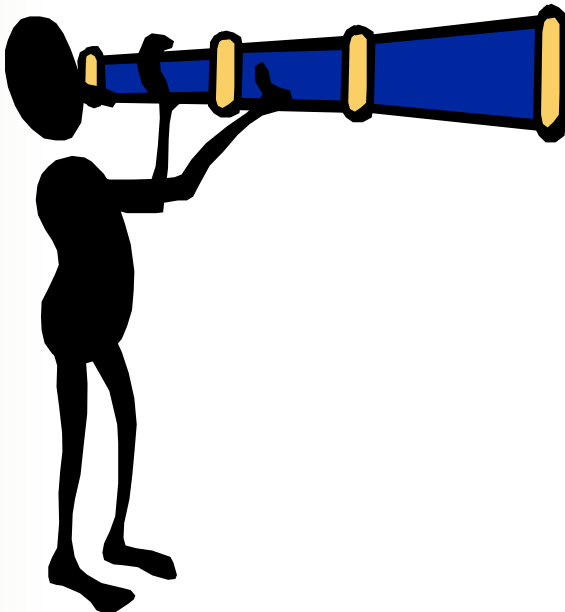


Disposal Options



- Burial at Approved Landfill
 - Approved for solid hazardous waste
 - Ryley AB, Sarnia ON
- Incineration
 - Swan Hills AB

New & Alternative Disposal Options



- Hazardous waste disposal in development
 - Composting
 - Absorbent materials
 - Deep Well
 - Heat generation
 - Alternative types of incineration
 - Other
- Options limited and not commercialized



Provincial Regulatory Contacts for Treated Seed Disposal

BC Environment

- Kul Bindra (250) 387-364 Kul.Bindra@gems4.gov.bc.ca

Alberta Environmental Protection

- Janet McLean (780) 427-9888 janet.mclean@gov.ab.ca

Saskatchewan Environment and Resource Management

- Chuck Bosgoed (306) 787-6205 CBosgoed@serm.gov.sk.ca

Manitoba Environment

- Don Labossiere (204) 945-7094 dlabossier@gov.mb.ca



Provincial Regulatory Contacts for Treated Seed Disposal

Ontario Ministry of Environment

- George Rocoski (416) 314-4165 rocoskge@ene.gov.on.ca

QC Ministère de l'Environnement

- Isabelle Gorse (418) 521-3920 (ext. 4808)
isabelle.gorse@mef.gouv.qc.ca



Provincial Regulatory Contacts for Treated Seed Disposal

NS Ministry of Environment and Labour

- Gerard Chisholm (902) 424-2539 chishogr@gov.ns.ca

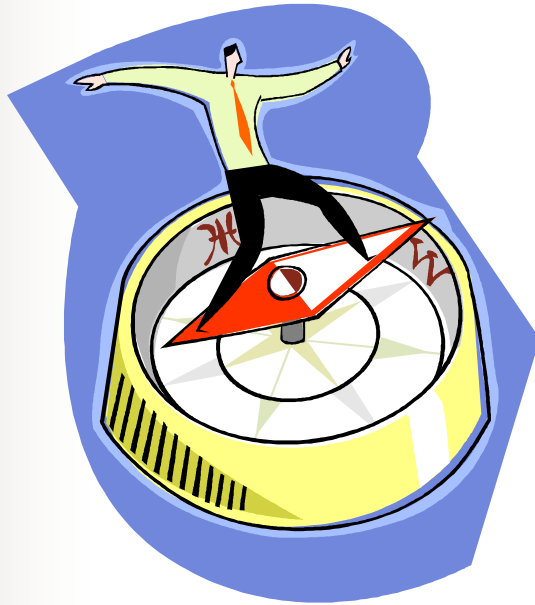
NB Ministry of Environment

- Simone Godin or Rejean Doiron (506) 444-4599
simone.godin@gnb.ca or rejean.doiron@gnb.ca

PEI Ministry of Fisheries, Aquaculture and Environment

- Glenda MacKinnon-Peters (902) 368-5047
gcmackinnon-peters@gov.pe.ca

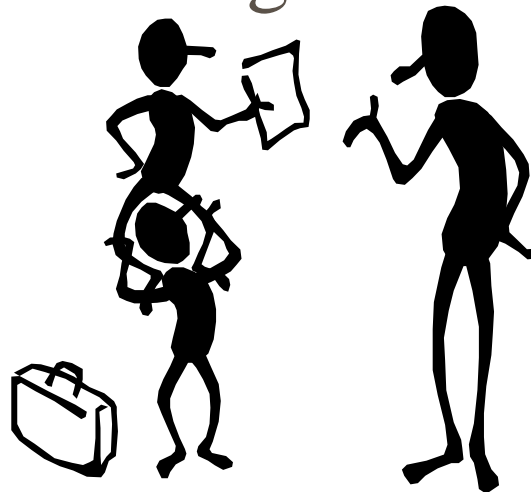
Industry Dynamics



- Products have changed
- Mostly water based
- Flammability and other risks are greatly reduced
- Products are still hazardous and users must be vigilant in efforts to reduce risk

Current Position

- AWSA / Crop Life Canada conducted an audit in spring 2002
- Only two of the twelve locations visited were familiar with the guidelines



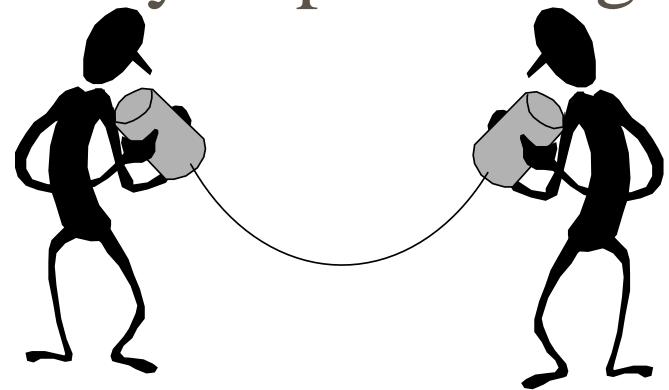
Current Position

- Implement the
Storage Guidelines
 - Avoid exposure
 - Prevent accidents
 - Provide training
 - Clean up seed
treatment waste



Communication has lapsed

- We need to increase awareness
 - Industry meetings
- Industry initiative and responsibility
- Communication must reach seed grower and commercial seed treater level
- We all have a responsibility in practicing good stewardship





Guidelines for the Storage and Handling of Treated Seed

Copies available via internet:

http://www.cdnseed.org/press/storage_and_handling_guidelines_english.pdf

Hard copies available from

- CSGA office
- CSTA office
- CSI office



Take responsibility now

- You need an applicator license if you are operating a commercialized facility as a custom applicator
- Follow the industry developed guidelines
- Educate and train yourself and your employees



Additional Resources Available

- Training Reference Guides
 - Transportation of Dangerous Goods (TDG)
 - view www.awsacanada.com for information on employer TDG training
 - Workplace Hazardous Materials Information System (WHMIS)
 - Local Labour, Occupational Health & Safety
 - First Aid / C.P.R.
 - Equipment Manuals and regular maintenance
 - Pesticide Licensing Agencies
 - Colleges
 - Provincial Agencies

Additional Resources Available

- Syngenta Crop Protection

Grant Ozipko

grant.ozipko@syngenta.com

Phone: (403) 219-5466

- Gustafson Canada

Ed Howell

ehowell@gustafson.com

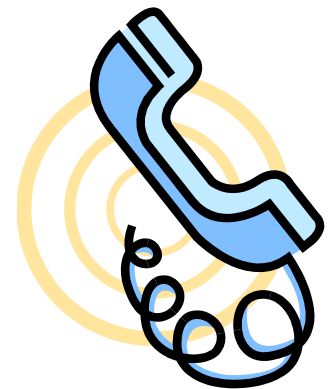
Phone: (800) 880-9481

- Bayer CropScience

Calvin Zibell

calvin.zibell@bayercropscience.com

Phone: (780) 718-3297





Seed Treatments Demand Respect

Do your part to ensure good stewardship . . .

Follow the industry established
**Guidelines for the Storage and
Handling of Treated Seed**