Developing Weed Management Plans with IPM in Mind

Andre Bonneau BSA P.Ag.
Saskatchewan Ministry of Agriculture

saskatchewan.ca
Before we begin...

- IPM was developed as an insect pest management system.
- More than one control or suppression method in use is IPM.
- Covering bases – if one control option isn’t available, use another.
Integrated Management

• Combination of control options
  – Mechanical
  – Chemical
  – Biological

• Synergistic options
  – Control or suppression where two or more activities work in concert.

Research is needed by manager...
  – differentiate between weed and “crop”.

saskatchewan.ca
Components of Weed Management Plan

• Inventory
• Planning and implementation
  – Prevention and detection
  – Large-scale infestations
  – Revegetation
  – Range management
  – Monitoring plan

Inventory

• Management zone
• Weed information
  – Species
  – Locations – soils and topographic info...
  – Density distribution
• Resources available
  – Money
  – Equipment
  – Time
Planning and Implementation

- Prevention
- Dealing with small infestations
- Dealing with large-scale infestations
- Revegetation
- Range Management
- Monitoring plans
Example of Weed Mngt Plan

• Flagstaff County
  – Leafy Spurge, Scentless Chamomile, toadflax, common tansy, burdock, common mullein.
  – Staff – 14 summer and seasonal staff
  – Budget - $400,000
  – Goats – Battle River
Andre Bonneau BSA, P.Ag.
Agri-Environmental Specialist
Saskatchewan Ministry of Agriculture
Prince Albert

306 960-4293