



Clubroot and Leduc County

- Leduc County Clubroot Policy
- Elements of regulated control
- Monitoring for clubroot
- Working with Industry



Agricultural Pests Act

- In 2007, clubroot was declared a pest under the *Agricultural Pests Act*
- Under the APA, municipalities, producers, and the Province have the obligation to “take active measures” to prevent the introduction and spread of declared pests





Policy Development

- 2007 – ASB drafted a policy for dealing with clubroot: All canola fields within the County to be inspected with **zero** tolerance.
- Fields with clubroot issued a notice with a five year restriction (1-in-6 rotation).
- 2008 – notice length reduced to 1-in-5 rotation
- 2009 – notice length reduced to 1-in-4 rotation
- 2010 – notice includes stipulation that only clubroot resistant variety may be grown at the end of the notice

Policy guidelines

- Policy is reviewed annually to allow for changes to policy. Annual meeting with growers, industry, and researchers is used as a source of information and a sounding board for possible changes



2011 Policy Changes

- To address the concerns of growers, ASB approved changes to the Policy:
 - Removal of “zero-tolerance”
 - Fields of “low” infestation **may** not receive a notice
 - Landowner will be informed of presence of clubroot and provided suggestions on how to limit the spread of clubroot
 - Heavy infestations or lack of management can result in a notice



How many fields?

- 3,281 fields were surveyed between 2007 and 2011
- 296 individual fields were found to be positive (9%)
- Although clubroot locations were GPS'd, no indication of infestation level was determined before 2011



2012 Survey Results

- 826 fields of canola inspected (4,107 since 2007)
- 138 fields found with clubroot (406 since 2007)
- 28 known previously
- 110 new fields
- Either very decayed galls or very small



- Photo from Clint Jurke, Canola Council of Canada



Severity of Infestation

2012 Results

- 109 – between 1-10/100 (79%)
- 17 – between 10-19/100 (12%)
- 6 – between 20-29/100 (4.5%)
- 6 – above 30/100 (4.5%)
- Five notices were issued

2011 Results

- 124 – between 1-10/100 (67%)
- 20 – between 10-19/100 (11%)
- 10 – between 20-29/100 (6%)
- 30 – above 30/100 (16%)
- 16 notices were issued



Resistance is NOT a silver bullet!



- Accidental side by side
- Even the resistant variety had a small amount of galls



Working with Utilities/Industry

- **Industry**
 - **COMMUNICATION** – with Counties, and producers
 - Due Diligence with equipment to minimize soil movement – the more earth you move, the more diligent you should likely be.
 - Develop a standard procedure to deal with clubroot
 - Remember, it is the producer's land and livelihood but they need to be willing to work with stakeholders, such as yourselves.
- **Leduc County**
 - **COMMUNICATION**
 - Provide Legal Land locations
 - Input into procedures and protocols



Questions?