

Clubroot Status and Regulation in Manitoba

Holly Derksen

Field Crop Pathologist

Manitoba Agriculture, Food and Rural Initiatives

Clubroot in Manitoba

- **Reports dating back to 1925 on vegetable crops**
- **Low severity symptoms observed in canola in south-central Manitoba in 2005**
 - **Subsequent testing of field was negative for presence of clubroot**

Clubroot in Manitoba

- **2011 Canola Disease Survey**
 - **121 fields surveyed (69 soil samples)**
 - **2 fields tested positive for presence of *P. brassicae* DNA – no symptoms in field or in plant bioassay**
 - **For reporting purposes:**
 - **“Non-symptomatic fields of concern”**
 - **Further testing of these fields yielded negative results**

Clubroot in Manitoba

- **2012 Canola Disease Survey**
 - **142 fields surveyed (112 soil samples)**
 - **No symptoms in field**
 - **6 fields tested positive for presence of clubroot DNA**
 - **2 of these soil samples yielded positive plant bioassay results**
 - **Manitoba can no longer be considered “free of clubroot”**

Clubroot in Manitoba

- **Not listed as a regulated pest**
- **Affected growers are dealt with on an individual basis by MAFRI staff**
- **Growers that participate in the canola disease survey are protected by FIPPA**
 - **Information regarding their location and soil survey results remain confidential**

Action Taken

- **Communication with growers**
- **Management recommendations**
 - **Rotation (4-year)**
 - **Resistant cultivars**
 - **Equipment sanitation**
 - **Weed control**
- **Continued testing of affected and neighboring fields**

Action Taken

- **Communication with:**
 - **Companies conducting field research**
 - Seed companies, chem companies, etc.
 - Field research companies should test fields prior to conducting trials

Action Taken

- **Communication with:**
 - **Anyone with access to agricultural land**
 - Custom applicators, utility companies, pipeline companies, etc.
 - **Anyone else who may be involved in the transfer of soil**
 - Auctioneers, seed potato industry, turf grass suppliers, etc.

Focus: On-Farm Biosecurity

- **Applies to more than just clubroot**
- **No interprovincial border patrol, so growers must patrol the border of their farms**
- **Growers needs to understand and measure their risk and implement management practices proactively**

Thank-You!

Holly Derksen, Field Crop Pathologist

Crop Knowledge Centre, Carman

holly.derksen@gov.mb.ca

(204)750-4248

Anastasia Kubinec, Oilseed BDS

Crop Knowledge Centre, Carman

anastasia.kubinec@gov.mb.ca

(204)750-2717