

ADDRESSING BLACKLEG IN THE WILLAMETTE VALLEY

Temporary rule and proposed changes to the permanent rule of the Oregon Department of Agriculture

Background

- Rapeseed Production Districts
 - In existence since 1990
 - Minimize blackleg (*Phoma lingam*) and other pests
 - Minimize cross-pollination
 - Minimize volunteer plants



Canola field

Before HB2427 (Willamette Valley)

- *Brassica* species
 - Seed
 - Officially tested and found free of blackleg
 - Treated prior to planting for blackleg
 - Field location must be pinned
 - May not be grown in same plot of land more than 2-yr out of every 5-yr
 - Producers must remove or control volunteers within 1/4 mile of production plot
 - Seed must be transported in a manner that prevents escape
 - Equipment must be cleaned before leaving field and unloading
- *Raphanus* species
 - Same rules apply, except for those for seed and equipment cleaning
- **HB2427 focused on cross-pollination issues only**

Blackleg in the Willamette Valley

- Based on ODA and OSU data
 - Detected in fall-planted *B. oleracea* since 1996
 - Major outbreak in 2013-2014 *Brassica* and *Raphanus* seed and forage fields
- Other diseases found
 - White leaf spot
 - Light leaf spot



Blackleg on cabbage

Temporary rule

- Proposed at June 18 meeting
- Advisory group formed and met on June 25
- Proposed rules sent for legal review
- Signed into law July 7, 2014
- In effect for 180-days



Blackleg on cabbage

Temporary rule requirements

- Commodities covered:
 - *Brassica*, *Raphanus*, and *Sinapis* seed and plants
 - Prepackaged seed lots or transplants for home use are exempt
- All seed stock must be:
 - Accompanied by a certificate showing the seed is blackleg-free, OR
 - Be treated in an approved manner for blackleg control
- All transplants must originate from tested or treated seed



Brassica transplants

Temporary rule requirements (cont.)

- Management practices to minimize disease buildup
 - Covered commodities may not be grown on the same plot of land more than 2 consecutive years and not more than 2-yr in every five
 - Volunteer or uncontrolled *Brassicaceae* in and around production fields must be rogued out or eliminated
 - Planting, harvest, and transportation equipment shall be cleaned to prevent inadvertent spread from the fields
 - Unbagged loads transported within the Valley must be enclosed in bins or covered containers to prevent seed loss
- Seed dealers must keep copies of all pertinent records for testing and seed treatment and make these records available to the Department upon request

HB2427 requirements

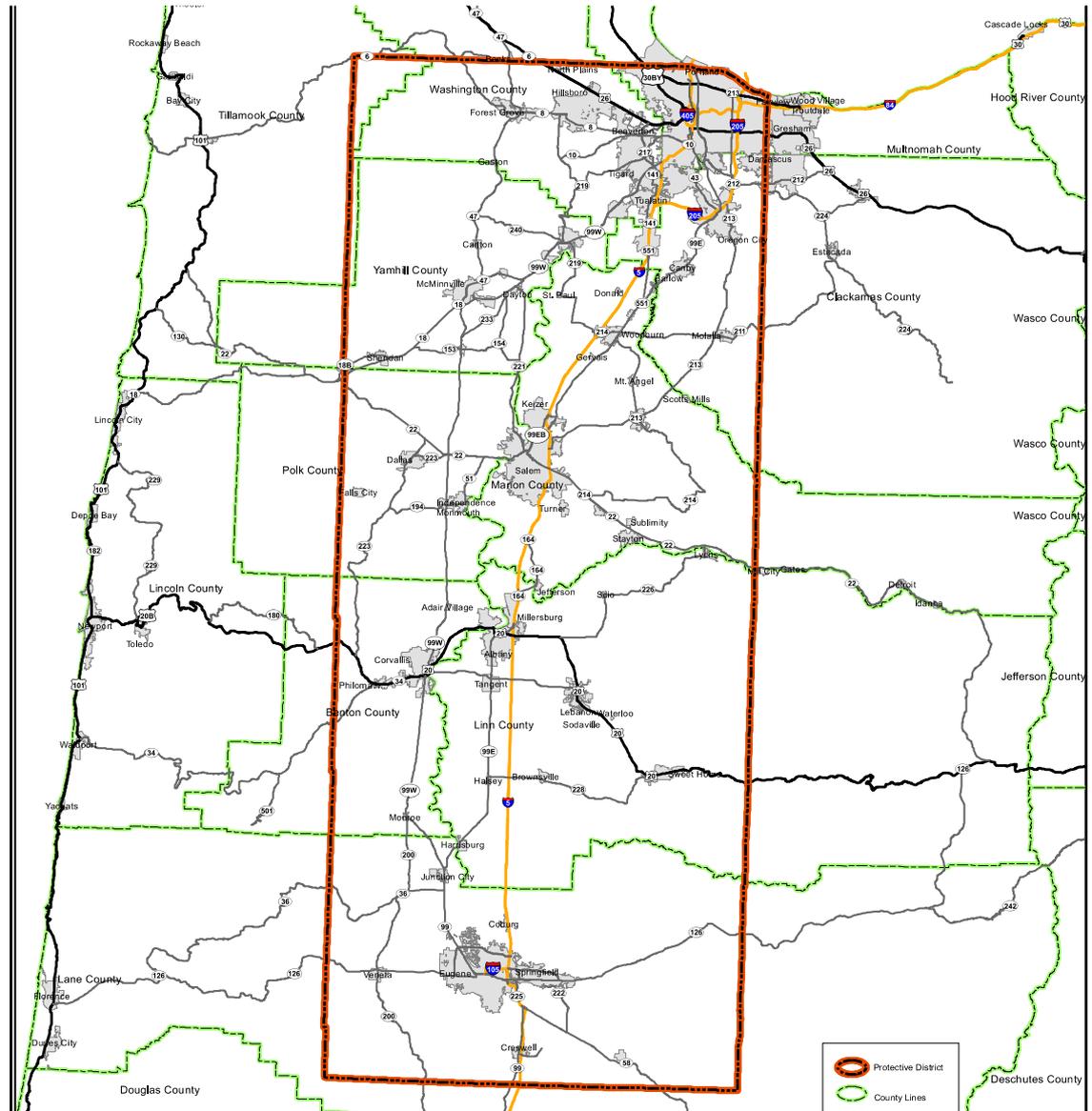
- Limits canola production to 500 acres for research only:
 - Develop recommendations
 - Compatibility of canola with other *Brassica* species
 - Compatibility of *Brassica* with other crops
 - Monitor for volunteers, diseases, and insects.
 - Must maintain isolation distances from *Brassica* specialty seed crops



Blackleg on canola

Changes to the permanent rule

- Did the temporary rule work?
- What about the rest of the State?



Rapeseed in the rest of Oregon

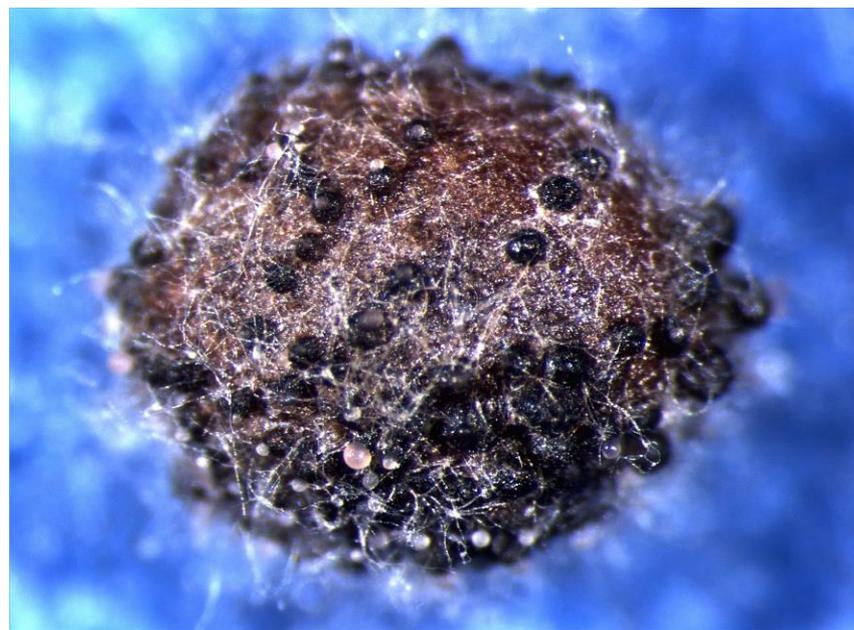
- General Production Area
- Protected Districts
 - Central Oregon
 - Northeast
 - Malheur/Idaho



Canola oil mill

Common requirements for other districts

- All seed must be officially tested AND treated
- Rapeseed may not be grown on the same plot of land more than 2-years in every five



Phoma lingam on a cauliflower seed

Specific requirements

Protected district	Equipment cleaning	Isolation distances	Forage crops	Commodity transport	In addition...
Central*	Required to prevent spread from field	Pinning plus 3-miles	Cannot flower	Enclosed bins or lined containers	Cannot grow on same plot 2-yr in a row
Northeast	Required to prevent spread from field	Pinning plus 2-miles	Cannot flower	Enclosed bins or lined containers	Cannot grow on same plot 2-yr in a row
Malheur**	N/A	N/A	Cannot flower	N/A	N/A

*Rapeseed seed crops in the Central Oregon Protected District may only be grown under a Research Permit and must meet the requirements listed.

**Rapeseed seed crops are prohibited within the Malheur/Idaho Protected District. Rapeseed may only be grown as a forage/cover crop.

Key differences between districts

Requirements for*	Willamette Valley	Central Oregon**	Northeast Oregon
Seed stock	Test OR Treat	Test AND Treat	Test AND Treat
Isolation distance	Pin	Pin and 3-mi	Pin and 2-mi
Forage/cover crops	No requirements	No flowering	No flowering
Volunteers	Rogue out or eliminate	No flowering	No flowering

*Requirements are the same between these three Protected Districts for equipment cleaning, transport of commodities, and crop rotation.

**Rapeseed seed crops may only be grown under a Research Permit.

Moving forward

- The temporary rule will expire
 - Test or treat
 - Crop rotation
 - Equipment cleaning
 - Volunteers rogued
 - Transport
- Other Protected Districts differ
 - Test and treat
 - Isolation distances
 - No flowering for forage/cover crops or volunteers



Forage Brassica

Next steps

- Reconvene the advisory committee
 - Examine existing information
 - Compare to other districts
 - Add new members?
- Prepare amendments to the permanent rule

November

- 13th Rulemaking notice to Legislature
- 15th Rulemaking notice to Oregon Bulletin
- 23rd Rulemaking notice to stakeholders

December

- 1st Notice published in Oregon Bulletin
- 15th First possible hearing date
- 21st Last day for a timely hearing request

January

- 1st Rule can be effective

Comments or questions?

