Blackleg in Canola and other Crucifers
What You Need to Know

THE FACTS:
- The WSDA Crucifer Quarantine now includes all counties of eastern WA
- Blackleg has been confirmed in northeast OR grower fields and at the research station
- Lesions have been observed in ID canola and rapeseed fields; the disease has been described as ‘common’ but not severe
- Blackleg has been very low levels in a few scattered locations in WA

WHEN BUYING SEED:
- Buy ONLY tested and certified blackleg-free seed
- Look for the green WSDA tag on each seed bag indicating Crucifer Quarantine compliance (including cover crop mixtures)
- Look for or ask your seed rep for MR (moderately resistant) or R (resistant) blackleg rating
- Apply seed treatment (most companies already do but double check that)

AFTER EMERGENCE:
- Scout fields for any lesions on leaves and/or cankers on stems (see back for photos)
- Continue to monitor fields throughout the growing season

SCOUTING PROTOCOL to avoid spreading blackleg
- Wear rubber boots
- When finished scouting/sampling a field, scrape and wash off any soil adhering to boots
- Spray boots with 70% alcohol (isopropyl alcohol works well)
- Remove boots and wear clean shoes until reaching the next field

IF BLACKLEG IS OBSERVED (current crop or past crop residue)
- Place DRY leaves and/or stems in a ziploc
- Mail (preferably overnight) or deliver samples to the WSU Plant Diagnostic Clinic, UI or OSU Plant Pathology departments
- Follow recommendations for applying fungicide ONLY if blackleg is confirmed and at or above threshold levels

HARVEST and TRANSPORTATION
- Make sure combine is set properly to reduce as much seed loss as possible
- Tarp trucks and seal up rear gates and belly dumps before delivery

OTHER KEY RECOMMENDATIONS
- Control Brassica/crucifer volunteers and weeds in fields and field borders
- Rotate canola and other brassicas; grow no more than once every 3 years on the same field
- Learn how to identify blackleg symptoms; be vigilant in scouting fields
Note the black dots in the leaf lesion (pycnidia) that are the fruiting bodies of blackleg.

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Pycnidia on canola residue

Stem canker, again with pycnidia within the canker.