

Manitoba Cabbage Seedpod Weevil and Pollen Beetle Survey

- Take **25 sweeps at 3 locations** within a flowering canola field. Taking samples along 3 different edges is preferable. If this is not convenient, then take samples at least 15-20 m apart, and about 2-3 m in from the edge of the field.
- Each set of 25 sweeps should be **transferred to a paper bag**, which can then be sealed by folding it twice near the top and securing it with 3 paper clips or staples. Samples in plastic bag spoil easily and are much harder to work with. Prior to sealing, any larger pieces of stems in the sample can be shaken and removed quickly. When disturbed, adults of cabbage seedpod weevil often drop to the ground and play dead. This behaviour reduces the odds they will escape while the sample is being transferred and contained. Samples can be sent to me for identification immediately, or you can freeze them, and send or bring them to me later.
- **Technique for transferring from net to bag:**
 - After the 25th sweep, swing the net through the air to knock any insects to the bottom of the net.
 - Quickly clasp the net above where the insects are contained (so you have them trapped in a few inches of netting).
 - Invert the netting through the rim and empty it into a bag and seal the bag.
- All samples need to have a **label** that includes:
 - Name of sampler:
 - Date sampled:
 - Crop (which in this case will be canola):
 - Location:
 - Rural Municipality
 - Latitude/longitude in decimal degrees
 - Rep # (1, 2, or 3 for the 3 samples within a field)

Page 2 has labels you can print out, cut, and place with each sample.

- The first **flowering fields** in a rural municipality would be the ideal ones to sample, although any flowering canola fields would be good for the survey.
- **Number of Fields:** Whatever is convenient. No more than 3 per Rural Municipality is needed.



Adult cabbage seedpod weevil – which are about 3 to 4 mm long.



Pollen beetle – about 2 - 2.5 mm long
Photo by Christine Noronha

If you have any questions, please contact:

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(204) 750-0594 (cell)

Sample Labels

- Name of sampler:
 - Date sampled:
 - Crop: Canola
 - Location:
 - Rural Municipality:
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