Canola Insect Pests

Jim B. Davis
University of Idaho Brassica Breeding
WSU Biofuels Website
PNW Pest Management Handbooks
Pacific Coast Canola Website
U.S. Canola Association Website
Canadian Canola Council Website
Canola Encyclopedia Website
Winter Canola, fall
Flea Beetle

Crucifer Flea Beetle
Striped Flea Beetle
Hop Flea Beetle
Seed Treatments
Helix Xtra/Cruiser 5FS
Prosper 400
Helix Vibrance
Prosper Evergol
Cabbage Aphid
Grasshoppers

Can be a problem in new winter canola stands in the late summer.

Scout your fields regularly...
Foliar Insecticides

*lambda-cyhalothrin* (Warrior…)
*bifenthrin* (Capture 2EC…)
*zeta-cypermethrin* (Mustang Maxx…)
*chlorantraniliprole, l-cyhalothrin* (Besiege)
*deltamethrin* (Battalion 0.2 EC…)
*gamma-cyhalothrin* (Declare…)
*flonicamid* (Beleaf 50 SG aphidicide)
*sulfoxaflor* (Transform WG aphidicide)
## Fall-applied Insecticide Efficacy - 2011

<table>
<thead>
<tr>
<th>Insecticide Treatment</th>
<th>Seed None</th>
<th>Seed Treatment</th>
<th>Foliar</th>
<th>Seed &amp; Foliar</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Score</strong></td>
<td>1.21 \text{c}</td>
<td>5.31 \text{b}</td>
<td>5.69 \text{b}</td>
<td>7.68 \text{a}</td>
</tr>
<tr>
<td><strong>Yield</strong></td>
<td>3,425</td>
<td>3,424</td>
<td>3,451</td>
<td>3,348</td>
</tr>
</tbody>
</table>

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\text{1 to 9}
## Fall-applied Insecticidal Effect on Yield

<table>
<thead>
<tr>
<th>Year</th>
<th>None</th>
<th>Seed Treatment</th>
<th>Foliar</th>
<th>Seed &amp; Foliar</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>4,276</td>
<td>4,499</td>
<td>4,143</td>
<td>3,925</td>
</tr>
<tr>
<td>2013</td>
<td>1,503</td>
<td>1,592</td>
<td>1,648</td>
<td>1,652</td>
</tr>
<tr>
<td>2014</td>
<td>1,251\textsuperscript{a}</td>
<td>1,474\textsuperscript{ab}</td>
<td>1,666\textsuperscript{b}</td>
<td>1,676\textsuperscript{b}</td>
</tr>
</tbody>
</table>

*lbs. per acre*
Winter Canola, spring
Cabbage Seedpod Weevil
Cabbage Seedpod Weevil

Primarily a winter canola pest.

Threshold is 2 to 4 weevils per 180° sweep.
Flea Beetle

Seed Treatments
Helix Xtra/Cruiser 5FS
Prosper 400
Helix Vibrance
Prosper Evergol
Flea Beetle
Rescue foliar applications

Scout during wet springs even with seed trts.
Scout every 2 to 3 days in warm weather.
Spray at 20% - 25% defoliation.
Youtube “Flea beetle management.”
Cutworms

Potentially devastating to seedlings.
Cutworms

Cutworms are nocturnal.

Scout regularly at crop emergence.

Foliar insecticides available.
Spray late evening, at night, or early morning before sunrise.
Diamondback Moth

Diamondback Moth Larvae
10-15 per sq ft, or 10 per plant
Cabbage Seedpod Weevil
Don’t spray for new adults in July.
Cabbage Aphid
Cabbage Aphid

Threshold
- 1 in 5 flower stalks infested.
- Look among unopened flower buds.
Cabbage Aphid
Lygus Bug

Adult

Nymph

Thrips
Beneficial Insects in Canola
Beneficial Insects in Canola

Lacewings

Lady bugs
Online Information

U.S. Canola Growers Manual
www.uscanola.com/site/epage/102387_956.htm

PNW Pest Management Handbooks
https://pnwhandbooks.org/

Canola Encyclopedia
www.canolacouncil.org/canola-encyclopedia/
Online Information

Canola Council of Canada Canola Growers Manual
www.canolacouncil.org/crop-production/canola-grower's-manual-contents/

Canola Council of Canada Fact Sheets
http://www.canolacouncil.org/publication-resources/print-resources/crop-production-resources/

Canola Watch
http://www.canolawatch.org/
Questions?

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