

<b>Insect</b>	<b>When to scout</b>	<b>How to scout</b>	<b>Thresholds</b>
<b>Bertha armyworm</b>	Start at late flowering, early pod. Thresholds apply to pod stage.	Beat/shake all plants within a quarter square metre (50x50 cm). Count larvae longer than 1/2" that have fallen to the ground. Multiply by 4 to get #/m2.	If canola is \$12/bu. and spray is \$8/ac., the threshold is 11 larvae/m2. See threshold tables for full range.
<b>Cabbage seedpod weevil</b>	Look just before flowering and through flowering. The goal is to stop adults from laying eggs in newly formed pods. The ideal spray time is around 20% flower.	Use a sweep net. Take ten 180° sweeps through flowers and pods while walking forward.	20 per 10 sweeps. If more than 20 per 10 sweeps at the field edge, sample another 5 spots about 150 feet into the field.
<b>Cutworm</b>	Early season	Look for patches of cut or missing plants. Dig around plants at edge of patch to ID cutworms.	Nominal thresholds for canola are based on 25-30% stand reduction.
<b>Diamondback moth larvae</b>	July and August	Pull plants in an area measuring one square foot. Beat them onto a clean surface, and count the number of larvae dislodged from the plants.	10-15 larvae/ft2 in immature to flowering plants or 20-30 larvae/ft2 in plants with flowers and pods. These are based on stands of 15-20 plants/ft2. Reduce thresholds for thinner stands.
<b>Flea beetle</b>	Emergence to 4-leaf stage, although in rare cases economic damage can continue longer.	Assess newest leaves for leaf area loss.	At emergence to 4-leaf, spray if 25% of leaf area is lost, on average, and feeding continues.
<b>Grasshopper</b>	Any time of year	Walk the field. If grasshoppers are jumping with every step, and feeding is evident, spray may be necessary.	8-12/m2
<b>Lygus bugs</b>	Lygus bugs are most damaging from late flower/early pod to late pod. Threat ends when pods are leathery.	Use a sweep net. Take ten 180° sweeps through flowers and pods while walking forward.	If canola is \$12/bu. and spray is \$8/ac., the threshold is 7 lygus per 10 sweeps. Include late instar nymphs. Modern hybrids seem to have more tolerance, so thresholds may be increased.