



BERTHA ARMYWORM CONTROL IN CANOLA USING PYRINEX 480EC



The Bertha Armyworm, (*Mamestra configurata*) is one of the most significant insect pests in canola in Canada. It is found throughout Manitoba, Saskatchewan, Alberta and the interior of British Columbia with the highest populations in parkland areas of the prairies and the Peace River Region of British Columbia and Alberta.



Bertha Armyworm adult

The Bertha Armyworm undergoes four stages in its lifecycle: adult, egg, larvae and pupa. Adult moths emerge from the over-wintering pupa from mid-June to early August. Adults are attracted to canola fields in bloom. Adults mate within 5 days of emergence and the female lays about 2,150 eggs on the underside of the canola leaf in clusters of 50 to 500 eggs per leaf.



Bertha Armyworm eggs



Newly hatched Bertha Armyworm larvae

These pinhead sized eggs will hatch within a week under normal temperatures; the larva which emerges is about .3 cm (1/10 in.) long. Small larvae are pale green with a pale yellowish strip along each side. The larvae take about 6 weeks to complete development of 6 growth stages. When mature the larvae are about 4cm long (1.5 in), with a brown head and a broad yellowish-orange strip along each side. The velvety black larvae have 3 narrow broken white lines on their backs. The larvae will burrow into the ground and form over-wintering pupa in late summer to early fall.



Young Bertha Army Worm

It is the larval stage of the Bertha Armyworm that does the damage to canola crops, generally from late July to late August. Larvae reaching the 1.3 cm size do the most damage and may eat up to 80-90% of the plant material. Larvae will also eat the canola pods and cause premature shattering of the crop resulting in major crop loss. 20 larvae per square meter will reduce canola yields by 1.16 bushels/acre.

PYRINEX 480EC available from UAP Canada Inc. can be used to control Bertha Armyworm. **PYRINEX** at a rate of 1 L/ha or 404ml acre can be applied using the higher rate for larger larvae and when canola canopy is heavy. Apply once per season using broadcast foliar spray with either ground or aerial equipment. Use 50-200 L water/ha or 5 to 20 gallons when applying by ground and 10-30L/ha or 2 to 4 gallons if aerial equipment is being used. Do not apply within 21 days to harvest.

**FOR ADDITIONAL INFORMATION ON PYRINEX 480EC CONTACT YOUR LOCAL
RETAILER OR VISIT www.uap.ca**

West: 1-800-561-5444 Ontario & Maritimes 1-800-265-5444 Quebec 1-800-361-9369

Always read and follow all label directions.
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