

Select the right rate of Coragen[®] MaX insecticide based on the insect pressure and crop stage.

Begin applications when threshold has been reached. Thorough coverage is important to obtain optimum control.

Rate	Situation
(120 ac / 2L jug) 17 mL/ac	 Lower grasshopper populations only Grasshopper nymphs to 2nd instar stage Expected residual of approximately 7 days
(80 ac / 2L jug) 25 mL/ac	 Plant close to final size (i.e. flowering or mid-to later season) 3rd to 4th instar stage Flushing, continued pressure entering field Move to higher rate range, even in early crop stage, if pest pressure is excessively high
(60 ac / 2L jug) 33.5 mL/ac	 Higher insect populations Fewer bites required to achieve lethal dose At early pod set (prior to dry down) 4th instar to adult stage Expected residual of approximately 14 days



PRAIRIE PEST MONITORING BLOG - PACKARD GRASSHOPPER (EGG, NYMPH, ADULT) AAFC



What to expect after applying Coragen[®] MaX insecticide



Coragen® MaX insecticide evidence of activity: Lethargic grasshopper does not remove itself from human interaction.

Coragen[®] MaX insecticide is unique in the way that it controls insects, so scouting for control symptoms will be different.

Here are a few tips:



Grasshoppers need to ingest via treated plant material but feeding will stop in as little as 7 minutes and the insect will become lethargic.



During early scouting after application, living grasshoppers will be detected, however little or no feeding activity should be observed as shown below at the 12 hour time slot of the time-lapse video.



Depending on insect stage and environmental conditions, complete death of the grasshoppers may take up to a few days as show below.



Untreated cereal plants are not protected and show significant feeding damage over 2 days.

Source: Internal Trial Time-Lapse Video, Research Facility - Ardrossan, AB 2015

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