

LOOK WHO'S HIDING IN YOUR STORED GRAIN!

Don't let Rusty Grain Beetles eat your grain (profits)



Stored grain insects are notorious for their ability to survive in extreme environments. Minimal food, low temperatures and low moisture are often not enough to stop infestations from persisting.

Now that seeding is complete in most areas and seasonal temperatures have been warming grain still stored on the farm, it is time to ensure there are no Rusty Grain Beetles hiding in your grain. If you have not already done so, you will want to check all bins that still hold grain. The last time you looked, the insects were probably still dormant and the larvae safely hiding in the kernel. Grain temperatures must be above 15°C for insects to lay eggs, for those eggs to hatch, and for the adult insects to feed on your grain. In other words, the next 6-8 weeks is a very vulnerable time for your stored grain.

Keep in mind that the Canadian Grain Commission and the Canola Council of Canada advise against using Malathion as a stored grain insecticide or empty bin treatment.

After a decade in the market, **Protect-It®** has been established as the leading stored grain insecticide and empty bin treatment in Canada. It can be used to both eliminate existing infestations and to treat new crop at harvest to prevent infestations in the first place.

Grain moisture and temperature affect how much **Protect-It®** should be used to treat grain infested with the Rusty Grain Beetle. This table shows the application rates for your situation.

Application rate of **Protect-It®**
Per metric tonne (grams/tonne)

FOR INFESTED GRAIN

Grain	Grain Moisture Below 14.5%	Grain Moisture Above 14.5%
Wheat	150 grams/tonne	170 grams/tonne
Barley	225	250
Oats	225	250
Rye	225	250
Peas	300	300

* Application rate to treat new crop at harvest is much lower. See **Protect-It®** label or www.hedleytech.com for details.

Since the addition of **Protect-It®** to cereal grains can affect grain flowability and test weight, the Canadian Grain Commission recommends that the overall concentration of **Protect-It®** not exceed 100g/tonne. We suggest that you dilute treated with untreated grain before delivery to the terminal elevator.

For technical assistance, contact your crop input retailer or Hedley Technologies toll-free or on the web.



Protect-It® Customer Service
and Technical Support:

