

If you see agronomic threats in your area... let us know.

PAN Pest Report #4 - May 25, 2005...

What's in the PAN...

- **Pea Weevil – Lethbridge, Grassy Lake, AB**
 - **Cutworms in Peas – Medicine Hat, Grassy Lake, Chin, AB**
 - **Brown Wheat Mite – Foremost, AB**
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Pea Weevil

Mark Olson reports...

- Pea Weevil - I returned from Lethbridge area. I saw leaf damage ("U" shaped notches on the lower leaves) on both the field pea and faba bean plots at the Diagnostic Field School section of research station.
- Unfortunately, we do not know how extensive the problem is in southern Alberta and the economic thresholds for this pest under southern Alberta conditions.
- Recent story in Top Crop Manager on the Pea Weevil.
http://www.topcropmanager.com/6_search/article_w.asp?article=1948

Mark Olson - Provincial Pulse Industry Development Specialist - AAFRD

Scott Meers reports...

I would like to echo the observation made by Mark Olsen about pea leaf weevil and add that a field south of Lethbridge is experiencing moderate damage. We plan to kick off the survey for this insect this week.

Scott Meers – Integrated Crop Management Specialist – AAFRD

Earl Greenhough reports –

In my travels last week in southern Alberta, pea weevil damage was present in most pea fields between Lethbridge and Grassy Lake. I also saw some light damage in the Carmangay and Champion areas (north of Lethbridge)

- Little is know about the distribution and impact of feeding damage.

This is what Pea Leaf Weevil damage looks like – characteristic crescent notch on the leaf margins.



- **HELP NEEDED** - We would like to ask for your help in identifying the distribution of this pest. At minimum, a report of the location where the feeding damage was sited. If you could provide an assessment of damage would be even better – Identify the crop stage, count total number feeding crescents on 10 plants at 5 locations in the field. Attached is the survey protocol from Scott Meers.
- We appreciate any help you can provide as we learn more about this pest, it's distribution and densities.

Earl Greenhough – PAN Editor

Cutworms in Peas

Scott Mears reports...

- I wanted to add that I had a long discussion with an Agrologist from Medicine Hat - cutworms in peas, not in patches but spread out across the field and difficult to assess the economic threshold in such a situation.

Earl Greenhough reports

- Here is a photo of cutworm damage in peas that I took in southern Alberta last week. In my opinion, plant population is the driver here – more of a concern where plant population is thin to begin with. My observation was also spread across the field.



Brown Wheat Mite

Dale Steel reports...

- Attached is some information on the Brown Wheat Mite which is causing yellowing of the winter wheat in the Foremost area. Symptoms include yellow leaves, purple wheat stems which appear like drought like symptoms or lack of nitrogen. The top couple of inches of the soil is dry but sub-soil moisture is good so the winter wheat yield potential is still good ... drought like symptom plants with Brown wheat mites will likely yield like drought affected plants.

- If it rains more than 4/10 inches then the Brown Wheat Mite will die off. If it doesn't rain, then Lorsban* at 40 acres/jug (235 ml/acre) is registered to control them.
- Limited information on economic thresholds, yield loss, etc. Too my knowledge, southern Alberta has never experienced a significant problem with them, but a few fields have been sprayed so far.

The west part of southern Alberta had 4/10 inches on Monday so the winter wheat looks better with no concern for Brown Wheat Mite. The best solution is greater than 1/2 inches of rain but Lorsban* is an option if the rain is delayed.

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Last week we reported a possible sighting of Chinch Bug at Pincher Creek. Identification was NEGATIVE and it was determined that the pest causing problems in timothy appears to be a wheat mite.

PHOTOS - PAN is looking for photos for our library...

We encourage you to share the PAN information with others. In return, we ask that you list the source as the Pulse Agronomy Network.
If you no longer wish to receive the PAN Bulletins and Pest Reports, please reply to the sender with "Unsubscribe PAN" in the subject line.

**PLEASE NOTE - Be advised that areas not mentioned in this report may in fact be under a pest pressure ...
Scouting helps in managing problems. If you see something - please let us know.**
