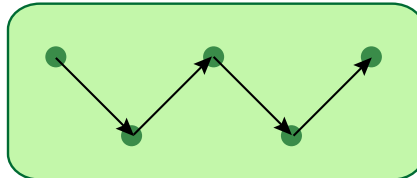


Cut, Bale, SCOUT!

Scouting for Leafhoppers

Weekly Scouting – 20 sweeps at 5 locations in each alfalfa field. Because leafhopper population densities vary from year to year and from field to field, the only way to accurately determine damage potential is by monitoring fields on a weekly schedule.

- Start scouting 5-7 days after first cut.
- Use a standard 15-inch diameter insect sweep net.
- Walk a W-shaped pattern in the field and take twenty consecutive sweeps in each of five randomly selected areas.
- Keep a running total of the number of leafhoppers caught. Count adults and nymphs.
- Divide the field total by 100.
- Compare the field counts with the threshold based on crop height.
- If over the threshold, decide on spraying or cutting.
- Continue to the next field.
- After cutting a field over threshold, scout the regrowth. Start scouting sooner if nymphs were present.



Leafhopper ID



Damage to Alfalfa:

Damage symptoms appear as stunting as well as yellowing of the leaves in a v-shaped pattern starting at the tip of a leaf. As a result of hopper burn, there may be yield loss, quality loss and potentially a reduction in plant vigor and stand. New alfalfa seedlings are particularly susceptible to potato leafhopper damage.

Leafhopper Thresholds



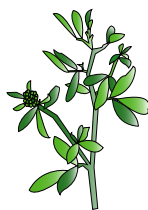
3 inch

0.2/sweep



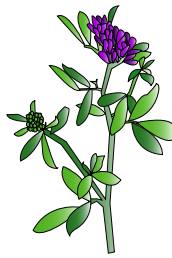
6 inch

0.5/sweep



8-11 inch

1.0/sweep



12+ inch

2.0/sweep

Sample of scouting record

Potato leafhoppers: Use 20 net sweeps per set.

Set 1	Set 2	Set 3	Set 4	Set 5	Total/100	Average/Sweep
10	12	8	15	11	56	0.56

Alfalfa Height 6 inch

The average is above the threshold of 0.5 for this field

Nutrient and Pest Management Program (NPM)
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