

# Glance 'n Go Sampling for Greenbugs in Winter Wheat

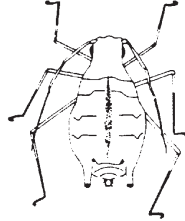
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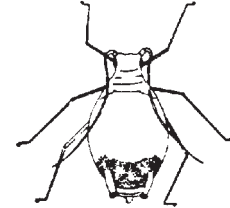
Treatment Threshold = 4 Greenbugs/Tiller  
Economic Thresholds for September - December



**Mummy (Parasite)**  
Tan, bloated body



**Greenbug**  
Green with dark stripe down back



**Bird Cherry-Oat Aphid**  
Olive-green with red patch on back of body

- ▶ To sample the wheat field, use a “zig zag” or “W” pattern and walk at least 15 steps (about 30 foot) between stops.
- ▶ Carefully pull and examine 3 tillers (stems) per stop, taking one tiller from the left, right, and front.
- ▶ At each stop, mark the circle ● if you find a mummy on that infested tiller. Mark the box with an X☒ if the tiller has one or more live greenbugs on it.
- ▶ Keep a running total of tillers with mummies and infested tillers. After each set of 5 stops, look at the number of mummies and infested tillers and follow the decision rules in the columns.

▶ **Mummies Column:**

- ▶ If the number of tillers with mummies exceeds the number in the mummy column, **Stop Sampling, and DO NOT TREAT.**
- ▶ If the number of tillers with mummies is less than the number in the mummy column, use the **Infested Tillers** columns to make a decision.

▶ **Infested Tillers Column:**

- ▶ If the number of infested tillers is less than or equal to the number in the Don't Treat Column, **Stop Sampling, and DO NOT TREAT.**
- ▶ If the number of infested tillers is falls within the number range in the Keep Sampling Column, **KEEP SAMPLING.**
- ▶ If the number of infested tillers is equal to or greater than the number in the Treat Column, **Stop Sampling, and TREAT.**
- ▶ If the “Stop Sampling” box is reached and a decision is not made: **Recheck the field in 2-6 days.**

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| Field 1         |   | Date           |                |                |                |   | Fall, Threshold = 4               |                     |                       |               |
|-----------------|---|----------------|----------------|----------------|----------------|---|-----------------------------------|---------------------|-----------------------|---------------|
| Sample<br>▼     | Stop every 30 ft. and look at 3 tillers |                |                |                |                | Total tillers<br>with 1 or more<br>greenbugs<br>☒ | ● Mummies      ☒ Infested Tillers |                     |                       |               |
|                 | Stop 1                                  | Stop 2         | Stop 3         | Stop 4         | Stop 5         |   | Don't<br>Treat<br>▼               | Don't<br>Treat<br>▼ | Keep<br>Sampling<br>▼ | Treat<br>▼    |
| Tillers 1-15 ▶  | ○ ○ ○<br>☐ ☐ ☐                          | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ▶ /15 ▶   | 4 or<br>more                      | 1 or less           | 2-11                  | 12 or<br>more |
| Tillers 16-30 ▶ | ○ ○ ○<br>☐ ☐ ☐                          | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ▶ /30 ▶   | 4 or<br>more                      | 8 or less           | 9-18                  | 19 or<br>more |
| Tillers 31-45 ▶ | ○ ○ ○<br>☐ ☐ ☐                          | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ▶ /45 ▶   | 5 or<br>more                      | 15 or less          | 16-25                 | 26 or<br>more |
| Tillers 46-60 ▶ | ○ ○ ○<br>☐ ☐ ☐                          | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ▶ /60 ▶   | 6 or<br>more                      | 22 or less          | 23-32                 | 33 or<br>more |
| Tillers 61-75 ▶ | ○ ○ ○<br>☐ ☐ ☐                          | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ▶ /75 ▶   | 7 or<br>more                      | 29 or less          | 30-39                 | 40 or<br>more |
| Tillers 76-90 ▶ | ○ ○ ○<br>☐ ☐ ☐                          | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ○ ○ ○<br>☐ ☐ ☐ | ▶ /90 ▶   | 8 or<br>more                      | 36 or less          | 37-46                 | 47 or<br>more |

Stop Sampling
Resample in 2-6 days

