

Fall
Edition

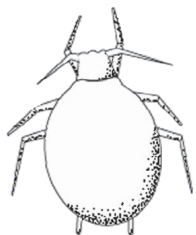
Glance 'n Go Sampling for

Greenbugs in Winter Wheat

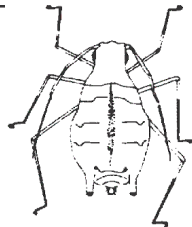
Treatment Threshold = 8 Greenbugs/Tiller

Economic Thresholds for September - December

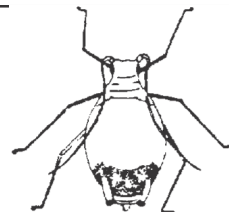
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**Mummy
(Parasite)**
Tan, bloated
body



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 = 8					Total tillers with 1 or more greenbugs ☒	<input type="radio"/> Mummies <input checked="" type="checkbox"/> Infested Tillers				
		Stop 1	Stop 2	Stop 3	Stop 4	Stop 5		Don't Treat	Don't Treat	Keep Sampling	Treat	
Sample	Stop every 30 ft. and look at 3 tillers Mark ● for each tiller that has 1 or more mummies Mark ☒ for each tiller that has 1 or more greenbugs											
Tillers 1-15	○ □ □	○ □ □	○ □ □	○ □ □	○ □ □	/15	4 or more	1 or less	2-15	N/A		
Tillers 16-30	○ □ □	○ □ □	○ □ □	○ □ □	○ □ □	/30	4 or more	10 or less	11-27	28 or more		
Tillers 31-45	○ □ □	○ □ □	○ □ □	○ □ □	○ □ □	/45	5 or more	19 or less	20-37	38 or more		
Tillers 46-60	○ □ □	○ □ □	○ □ □	○ □ □	○ □ □	/60	6 or more	29 or less	30-46	47 or more		
Tillers 61-75	○ □ □	○ □ □	○ □ □	○ □ □	○ □ □	/75	7 or more	39 or less	40-56	57 or more		
Tillers 76-90	○ □ □	○ □ □	○ □ □	○ □ □	○ □ □	/90	8 or more	54 or less	55-66	67 or more		
Stop Sampling					Resample in 2-6 days							

Field 2 Date Fall, Threshold = 8

Sample	Stop every 30 ft. and look at 3 tillers					Total tillers with 1 or more greenbugs <input checked="" type="checkbox"/>	<input type="checkbox"/> Mummies <input checked="" type="checkbox"/> Infested Tillers			
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5		Don't Treat	Don't Treat	Keep Sampling	Treat
Tillers 1-15	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/15	4 or more	1 or less	2-15	N/A
Tillers 16-30	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/30	4 or more	10 or less	11-27	28 or more
Tillers 31-45	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/45	5 or more	19 or less	20-37	38 or more
Tillers 46-60	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/60	6 or more	29 or less	30-46	47 or more
Tillers 61-75	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/75	7 or more	39 or less	40-56	57 or more
Tillers 76-90	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/90	8 or more	54 or less	55-66	67 or more

Stop Sampling Resample in 2-6 days

Field 3 Date Fall, Threshold = 8

Sample	Stop every 30 ft. and look at 3 tillers					Total tillers with 1 or more greenbugs <input checked="" type="checkbox"/>	<input type="checkbox"/> Mummies <input checked="" type="checkbox"/> Infested Tillers			
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5		Don't Treat	Don't Treat	Keep Sampling	Treat
Tillers 1-15	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/15	4 or more	1 or less	2-15	N/A
Tillers 16-30	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/30	4 or more	10 or less	11-27	28 or more
Tillers 31-45	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/45	5 or more	19 or less	20-37	38 or more
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Tillers 76-90	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/90	8 or more	54 or less	55-66	67 or more

Stop Sampling Resample in 2-6 days

Field 4 Date Fall, Threshold = 8

Sample	Stop every 30 ft. and look at 3 tillers					Total tillers with 1 or more greenbugs <input checked="" type="checkbox"/>	<input type="checkbox"/> Mummies <input checked="" type="checkbox"/> Infested Tillers			
	Stop 1	Stop 2	Stop 3	Stop 4	Stop 5		Don't Treat	Don't Treat	Keep Sampling	Treat
Tillers 1-15	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/15	4 or more	1 or less	2-15	N/A
Tillers 16-30	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/30	4 or more	10 or less	11-27	28 or more
Tillers 31-45	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/45	5 or more	19 or less	20-37	38 or more
Tillers 46-60	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/60	6 or more	29 or less	30-46	47 or more
Tillers 61-75	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/75	7 or more	39 or less	40-56	57 or more
Tillers 76-90	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	/90	8 or more	54 or less	55-66	67 or more

Stop Sampling Resample in 2-6 days