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dis insect has one generation a year. It overwinters in the egg stage. Thus are laid in means of 100 to 550 eggs. The egg mass completely encircles a tody on the order portion of a brough. Eggs may be found between Aquat and Euch.

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The plan applies to anger maple stands in the Hortheast.

The procedure for sampling is as follows:

- 1. School a stand of twees that is mostly sugar maple. The stand should be at least two acres.
- 2. Choose 5 sugar maples along roads or open areas with full crowns. The five trees may be close to each other but not touching. With a pole primer reach into the crown of the first tree as far as the primer will permit and clip five 30 inch twigs.
- 3. Count the egg masses on the first twig. If there are less than 8 egg masses on the first twig, count the egg masses on the second twig and accomulate the counts as you go. If the total egg masses for the two twigs do not add to 8, then continue on to the third twig, adding the egg masses until all five twigs are searched and counted. If the total number of egg masses on the five twigs still do not total to 8, continue on to the second tree, clip five more twigs, accumulate the counts and continue on in this manner, clipping five 30 inch twigs from the remaining three trees until 8 egg masses are found. As soon as 8 egg masses are found, stop sampling and continue on to another area. 8 or more egg masses on 25 twigs will result in noticeable defoliation.
- 4. If the total number of egg masses found on the first group of twentyfive 30 inch twigs still do not total 8 or more, refer to the sequential table. If the total count is 3 egg masses or less, stop sampling.
  This means that 3 or less egg masses will result in negligible defoliation and you can proceed to another area. If, however, the total egg
  mass count for the 25 twigs is 4, 5, 6, or 7, the potential defoliation
  is still undecided and you will have to continue sampling.
- 5. If the count falls into this undecided category, select a sixth tree and cut five more 30 inch twigs. Count the number of egg masses on the five twigs, and add these to the total from the first 25 twigs. Now refer to the table and you will see that for a 30 twig sample you will need a maximum of 5 egg masses or a minimum of 9 egg masses before a positive category is reached and sampling ceases. If the combined count totals 6, 7, or 8 egg masses, you will have to continue sampling. Continue in this way, clipping five 30 inch twigs from additional trees

mobil a total of 50 trigs to cot. By this tile at look multiplicit exaples to predict describing and can depart from the requalist table. The following rule applies: If the total notice of egg masses on fifty 30 inch twigs taken from 10 trees is 11 or less, defoliation will be negligible; if the total is 12 or more, defoliation will be noticeable.

- 6. Record the number of twigs clipped, the number of egg wantes found, and the expected degree of defoliation in the appropriate data short.
- 7. More to the other side of the whold and accest the marging.
- 8. Co to en area somewhere near the center and take a United set of traples for the stand. By sampling 3 different trans, it is possible to determine if the whole stand will be defoliated to the true degree, or if most of the insects will be in one part of the stand.
- 9. After a decision has been reached about devoliation in the first stand, go to mother stand and sample it in the same manner. If populations of insects are very low, stands may be 5 miles apart. If populations are very high, stands adjoining each other should be sampled to find the limits of the infestation.
- 10. Give each stand a number. Record this number on a good highway map and on the record form.

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Moder of Polys	Horbor to Give No Hobicschile Defoliation		Simple Move Mices	i la grio (tive Rold caride Production
95 50 50 50 50 55 60 65 70 75 85 90 95	3 of Less 5 or Less 6 or Less 7 or Less 8 or Less 9 or Less 11 or Less 12 or Less 13 or Less 14 or Less 15 or Less 16 or Less 16 or Less 17 or Less 18 or Less 18 or Less 19 or Less 10 or Less 11 or Less		4-17 6-8 7-9 8-11 9-12 10-13 12-14 13-15 14-17 15-18 16-19 17-20 19-21 20-23 21-24 22-25	8 or more 9 or more 10 or more 12 or more 13 or more 14 or more 15 or more 16 or more 18 or more 20 or more 21 or more 22 or more 24 or more 25 or more 26 or more

Chances are that 1 out of 20 stands said to have no noticeable will have noticeable defoliation and that 1 out of 10 stands called "noticeable" will have no noticeable defoliation.