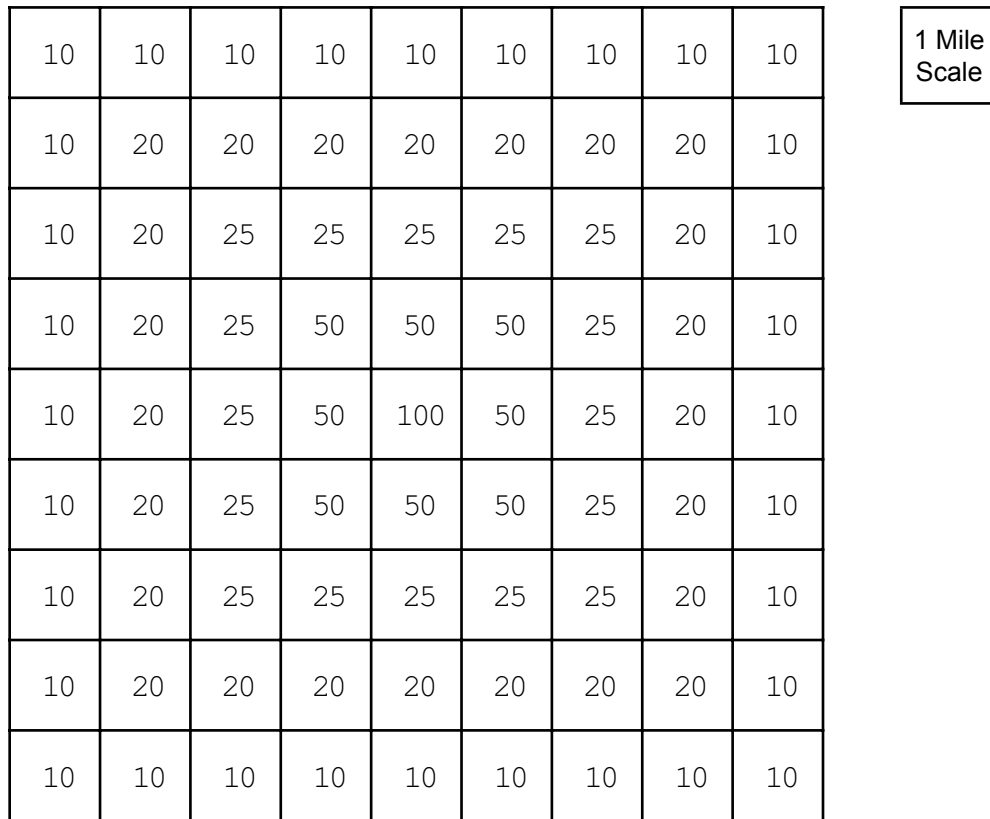


## DELIMITATION SURVEY - GUIDELINES FOR MAPPING

When a target insect is discovered in a trap, it becomes necessary to determine if an infestation exists, and the exact size of the infestation. For this purpose, predetermined delimitation grids and trap densities have been established. These grids may be found within the text for each given species. Both the trapping densities and size of the area to be delimited will vary, depending on the insect. In the rare event that an incomplete or unidentifiable fruit fly specimen is found, an alternative 1 mile delimitation using the trap densities listed for a “Core Area” should be completed.

The example used here is for Medfly. For more detailed delimitation guidelines, see the Medfly Delimitation Plan.

1. Plot the find site (the property where the target insect was trapped) on a map of the area to be delimited. The map may be a new map or the existing detection trap location map. If a new map is used, continue the same grid and numbering systems employed for detection traps.
2. If the find site is located at or near the center of a grid, then the delimitation trap densities can be established as outlined for each target pest (Fig. 1).



**FIGURE 1. A DELIMITATION GRID FOR MEDFLY SHOWING INCREASED TRAP DENSITY PER SQUARE MILE**

3. if the find site is on or near a grid line or corner (as indicated by "X" in Fig. 2 through 4), adjust the trap densities as shown.

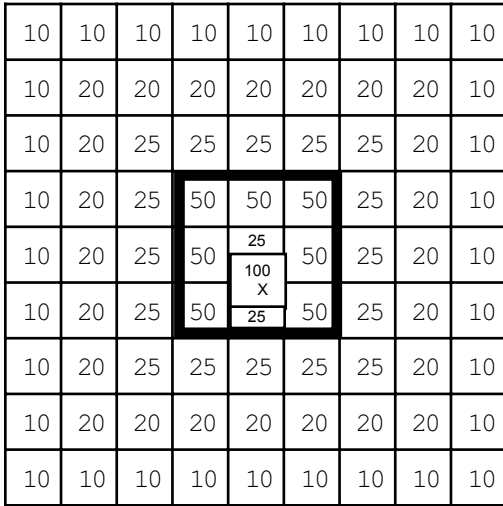


FIGURE 2.

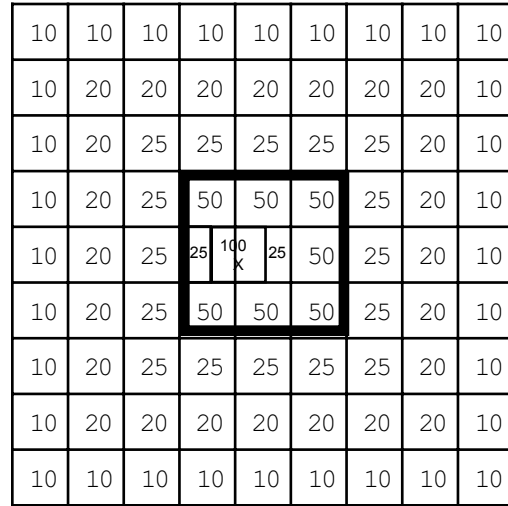


FIGURE 3.

1 Mile  
Scale

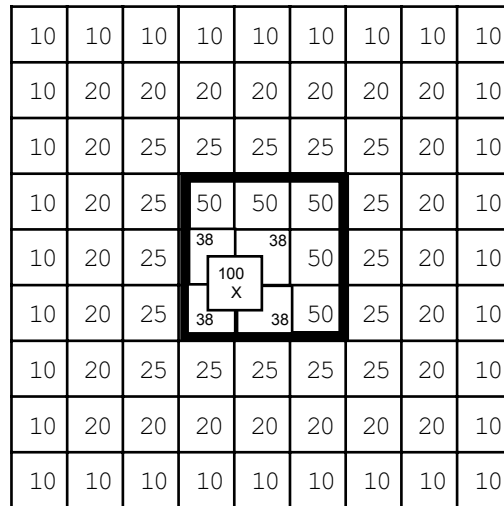


FIGURE 4.

This method of adjusting trap densities for delimitation will not alter the size of the delimitation area, or change the total number of traps. It will also provide that the original grids and corresponding grid numbers are maintained. High trap numbers in the area around the initial find are maintained.