CITRUS PROJECT RECORD III
FOR THIRD YEAR PROJECT
YEAR_______

Name: __________________________________________

Mailing address: __________________________________

Age: ______________________________ Year in 4-H work: ______________

Name of local club: ______________________________________

Local leader: ___________________________________________

County Agent: __________________________________________

Florida Cooperative Extension Service
Institute of Food and Agricultural Sciences
University of Florida, Gainesville
FLORIDA 4-H CITRUS PROJECT III
GROWING THE BUDDED TREE

A. Growing the Budded Tree -
When the new bud (shoot) growth reaches 2-4 inches, the top of the rootstock should be cut off or lopped evenly above the bud. Place a stake by the bud for protection and support. When the shoot reaches 6 inches in height, tie it to the stake for support. Tie it again every 6 inches. When the new shoot reaches 20 to 36 inches, it should be topped to stimulate lateral growth and form the scaffold limbs.

B. Care of the Young Tree -
1. Cultivation - The tree should be kept free of weeds.
2. Water - 1-2 inches of water should be applied every week by rainfall or irrigation. In hot weather more frequent applications may be necessary. Don't let the young tree wilt for lack of water.
3. Fertilizer - Apply ¼ pound of 6-6-6-4-5- (N-P-K-MgO-CuO) to each tree every six weeks. (In areas subject to freezing temperatures, fertilization should be suspended from October 1st to February 1st.)
4. Spraying - Sprays should be applied when required for insect and disease control.

C. Selling the Trees -
Before selling trees, contact your Division of Plant Industry inspector. (If you plant the trees on your own land, certification is not required.)
The trees should be grown until they reach about 1 inch in diameter before they are sold. The trees could be sold before this, however, they should not be transplanted from the can until the tree is well established. On the other hand, trees should not be left in containers until they become root bound.

SUGGESTED DEMONSTRATION AND DISPLAY IDEAS
FOR YOUR CITRUS PROJECT III

1. Transplanting large plants
2. Fertilization techniques
3. Insect population counts
4. Insect identification
5. Disease identification
6. Taking a soil sample
7. Preparing a grove map
8. Soil testing
9. Fruit maturity
10. Grades of fruit
CITRUS PROJECT III
WRITTEN EXERCISE

1. Why do we plant citrus groves? Give only the primary reason.

2. Name at least 5 things one can learn from a grove map.

3. Prepare a grove map of at least one acre of grove, (consult leader's guide or see your county agent for details) and tell the importance of such maps. (Use the page provided to draw the map.)
4. Draw a detailed picture of the leaf of each of the following varieties of citrus. (Label pertinent parts to show differences in varieties.)

A. Sweet orange  
B. Tangerine

C. Grapefruit  
D. Lemon

E. Sour orange  
F. Trifoliata
5. Complete the table below with the necessary information.

<table>
<thead>
<tr>
<th></th>
<th>Number of seeds</th>
<th>External color</th>
<th>Internal color</th>
<th>Ripening season</th>
<th>Principal Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>HAMLIN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PARSON BROWN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>NAVAL</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VALENCIA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PINEAPPLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DUNCAN</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>THOMPSON</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>DANCY</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TEMPLE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MARSH</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
6. Prepare a paper (at least 250 words) on the history of the citrus industry from early time in Asia to the present time in Florida. (Use the back of this sheet if needed)
A. Record the following information:

1. Number of liners produced (list each variety) (ex. 16 rough lemon, 22 sour orange)

2. Number of trees budded (list each variety) (ex. 6 Valencia/R. lemon 10/Marsh/S.O.)

3. How many buds lived - (by stock and scion)

4. Number of saleable trees produced (by variety)
B. Keep a complete and accurate fertilizer record.

<table>
<thead>
<tr>
<th>DATE</th>
<th>AMOUNT OF MATERIAL USED</th>
<th>ANALYSIS</th>
<th>COST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TOTAL

C. Keep a complete pest control record.

<table>
<thead>
<tr>
<th>DATE</th>
<th>PEST CONTROLLED</th>
<th>MATERIAL USED</th>
<th>AMOUNT SPRAYED</th>
<th>COST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TOTAL
D. Keep a complete record of labor costs:

<table>
<thead>
<tr>
<th>DATE</th>
<th>LABOR PERFORMED (WEEDING, WATERING, ETC.)</th>
<th>COST</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TOTAL

E. Summary of costs

Cost of budded trees (from Year II)

Cost of fertilizer this year

Cost of pest control this year

Cost of labor this year

TOTAL

Number of saleable trees produced

Cost per tree

Market value of trees

Net profit or loss
ACTIVITY RECORD
CITRUS PROJECT III

List all talks, displays, demonstrations that you have made regarding your citrus project.

<table>
<thead>
<tr>
<th>DATE</th>
<th>AUDIENCE</th>
<th>NUMBER PEOPLE</th>
<th>SUBJECT</th>
<th>ACTIVITY TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Story of my Citrus Project III. (Include pictures if available.) (Use additional sheets if needed.)