

Colusa County 4-H *Plant Science* Proficiency Program



LEVEL II – PRODUCER

NAME: _____

CLUB: _____

PROJECT: _____

1. Identify and describe six different species of trees and plants. Three of which must be native to your area.

1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____

2. Give one example of a plant used for each of the purposes listed:

Cut flower	_____	Foliage accent	_____
Cut foliage	_____	Flower color	_____
Windbreak	_____	Lawn tree	_____
Parkway	_____	Species	_____
Hedge	_____	Border	_____
Barrier	_____	Background	_____
Fragrance	_____	Utility-medical	_____
Utility-food	_____		

3. Name four plant growth factors and explain the basics of photosynthesis.

1.	_____
2.	_____
3.	_____
4.	_____

4. Collect seeds from vegetables, field crops, flowers, shrubs and trees. Mount and label the seeds you have collected.

_____ *Project leader's signature* _____ *date* _____

5. Demonstrate four different techniques of propagation. Example: budding, cuttings, plant division, layering, grafting.

1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____

6. Describe how your plant propagates.

7. Experiment with at least two types of fertilizer, then tell which you prefer and why.

1. _____ 2. _____

8. Describe and demonstrate what you can do to protect your plant during hot and cold weather.

_____ *Project leader's signature* _____ *date*

9. Describe and give control measures for at least three diseases or problem conditions.

1. _____

2. _____

3. _____

10. Visit an established operation and learn how the plants are cared for and marketed.

What I did: _____

_____ *Project leader's signature* _____ *date*

11. Prepare one food dish from an edible plant grown in your project and share it with your family or project group.

What I did: _____

_____ *Project leader's signature* _____ *date*

12. Keep an account of cash expenses for equipment and materials.

_____ *Project leader's signature* _____ *date*

13. Do something creative with your project.

What I did: _____

Project leader's signature *date*

14. Display your project outside your group.

What I did: _____

Project leader's signature *date*

15. Help someone else by sharing your knowledge or by giving away a product from your project to demonstrate positive citizenship.

What I did: _____

Project leader's signature *date*



Congratulations!
You have completed Level II of the Plant Science
Proficiency Program.

Name _____ Age _____

Club _____

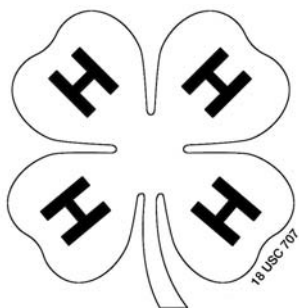
Project _____

Project Leader's _____
Printed Name *Signature*

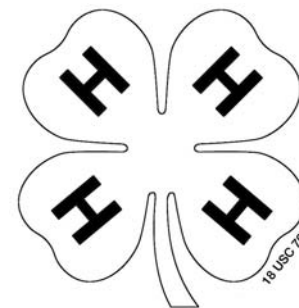
Date _____

County Coordinator's _____
Printed Name *Signature*

Date _____



Certificate of Achievement



This certifies that

has completed Level II of the Plant Science Proficiency Program in the
Colusa County 4-H Youth Development Program.

Project Leader's Signature

Date

County Coordinator's Signature

Date

∞ MAKING THE BEST BETTER!! ∞