



GARDENING

Merit Badge Requirements

1) Do the following:

- A) Grow six vegetables, three from seeds and three from seedlings, through harvesting.
- B) Grow six flowers, three from seeds and three from seedlings, through flowering.

2) Give the food value of the following:

- A) Three root or tuber crops.
- B) Three vegetables that bear above the ground.
- C) Three fruits.

3) Test 100 garden seeds for germination. Determine the percentage of seeds that germinate. Explain why you think some did not germinate.

4) Visit your county extension agent's office, local university agricultural college, nursery, or a botanical garden or arboretum. Report on what you learned.

5) Identify five garden pests (insects, diseased plants). Recommend two solutions for each pest. At least one of the two solutions must be an organic method.

6) Do ONE of the following:

- A) Build a compost bin and maintain it for 90 days.
- B) Build a verminpost bin (worm compost bin) and maintain it for 90 days.
- C) Build a hydroponic garden containing three vegetables or herbs, or three ornamental plants. Maintain this garden through harvest or flowering, or for 90 days.
- D) Build on water garden, either in a container (at least 12 by 6 inches and 6 inches deep), or in the ground as a small, decorative pond no larger than 6 by 3 feet and 24 inches deep. Maintain the water garden for 90 days.

Requirement 1

Grow six vegetables, three from seeds and three from seedlings, through harvesting. List them below:

From Seeds:

From Seedlings:

If possible, show your vegetables or photos of your vegetables to your counselor.

Grow six flowers, three from seeds and three from seedlings, through flowering. List them below:

From Seeds:

From Seedlings:

If possible, show your flowers or photos of your flowers to your counselor.

Requirement 2

Name and give the food value of 3 root or tuber crops, three vegetables that bear above the ground, and three fruits.

Root/Tuber Crop: _____ Food Value: _____

Root/Tuber Crop: _____ Food Value: _____

Root/Tuber Crop: _____ Food Value: _____

Vegetable: _____ Food Value: _____

Vegetable: _____ Food Value: _____

Vegetable: _____ Food Value: _____

Fruit: _____ Food Value: _____

Fruit: _____ Food Value: _____

Fruit: _____ Food Value: _____

Requirement 5

Identify five garden pests (insects, diseases plants). Recommend two solutions for each pest. At least one of the two solutions must be an organic method.

Pest: _____

Solution #1: _____

Organic Solution: _____

Pest: _____

Solution #1: _____

Organic Solution: _____

Pest: _____

Solution #1: _____

Organic Solution: _____

Pest: _____

Solution #1: _____

Organic Solution: _____

Pest: _____

Solution #1: _____

Organic Solution: _____
