



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: _____

