



Gardening

Merit Badge Workbook

This workbook can help you but you still need to read the merit badge pamphlet (book). No one can add or subtract from the Boy Scout Requirements #33215. Merit Badge Workbooks and much more are below: [Online Resources](#).

Workbook developer: craig@craiglincoln.com. Requirements revised: 2002, Workbook updated: April 2008.

Scout's Name: _____ Unit: _____

Counselor's Name: _____ Counselor's Ph #: _____

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.

Pest	Solution	Organic?
_____	_____	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>
_____	_____	<input type="checkbox"/>

6. Do ONE of the following:

- a. Build a compost bin and maintain it for 90 days. _____
- OR- b. Build a vermicompost bin (worm compost bin) and maintain it for 90 days. _____
- OR- 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. _____
- OR- d. Build one 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.

Online Resources (Use any Internet resource with caution and only with your parent's or guardian's permission.)

Boy Scouts of America: ▶ scouting.org ▶ [Guide to Safe Scouting](#) ▶ [Age-Appropriate Guidelines](#) ▶ [Safe Swim Defense](#)
▶ [Scout](#) ▶ [Tenderfoot](#) ▶ [Second Class](#) ▶ [First Class](#) ▶ [Rank Videos](#) ▶ [Safety Afloat](#)

Boy Scout Merit Badge Workbooks: usscouts.org -or- meritbadge.org **Merit Badge Books:** www.scoutstuff.org

ExpertVillage.com Lesson Videos:

- [Growing an Herb Garden](#)
- [Perennials](#)
- [Compost](#)
- [Winterizing](#)
- [Organic Gardening](#)

American Horticultural Society: <http://www.ahs.org>

Aquaculture Information Network: <http://aquanic.org>

Gardenweb: <http://www.gardenweb.com/vl/>

Home and Garden Television: <http://www.hgtv.com>

Master Gardener: <http://www.mastergardeners.org/>

National Gardening Association: <http://www.garden.org>

Old Farmer's Almanac: <http://www.almanac.com>

Trust for Public Land: <http://www.tpl.org>

U.S. Department of Agriculture: <http://www.usda.gov>

U.S. National Arboretum: <http://www.usna.usda.gov>

World Aquaculture Society: <http://www.was.org>

USDA National Organic Program: <http://www.ams.usda.gov/nop>

World's Healthiest Foods: <http://www.whfoods.com/foodstoc.php>