GARDENING

“Enhancing our youths’ competitive edge through merit badges”
Requirements

1. Do the following:
   a. Explain to your counselor the most likely hazards associated with gardening and what you should do to anticipate, help prevent, mitigate, and respond to these hazards.
   b. Discuss the prevention of, and treatment for, health concerns that could occur while gardening, including cuts, scratches, puncture wounds, insect bites, anaphylactic shock, heat reactions, and reactions from exposure to pesticides and fertilizers.

2. Do the following:
   a. Grow six vegetables, three from seeds and three from seedlings, through harvest.
   b. Grow six flowers, three from seeds and three from seedlings, through flowering.

3. Give the nutritional value of the following:
   a. Three root or tuber crops
   b. Three vegetables that bear above ground
   c. Three fruits

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

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

6. Explain to your counselor how and why honey bees are used in pollinating food crops. Discuss the problems facing the bee population today, and tell what you think would be the impact to humanity if there were no pollinators.
7. 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.

8. Do ONE of the following:
   a. Build a compost bin and maintain it for 90 days.
   b. Build a vermipost 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 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.
   e. Prepare a honey super for use on a hive or colony. Remove a filled honey super from the hive or colony and prepare the honey for sale.
Gardening Resources

Scouting Literature

Visit the Boy Scouts of America’s official retail website at http://www.scoutstuff.org for a complete listing of all merit badge pamphlets and other helpful Scouting materials and supplies.

Books


Periodicals
Bee Culture
Toll-free telephone: 800-289-7668
Website: http://www.beeculture.com

Garden Gate
Toll-free telephone: 800-341-4769
Website: http://www.gardengatemagazine.com
**Gardening Resources**

**Mother Earth News**
Toll-free telephone: 800-234-3368
Website: http://www.motherearthnews.com

**Organic Gardening**
Toll-free telephone: 800-666-2206
Website: http://www.organicgardening.com

**Organizations and Websites**

**American Horticultural Society**
Website: http://www.ahs.org

**Back Yard Beekeepers Association**
Website: http://www.backyardbeekeepers.com

**Bee Research Laboratory**
USDA Agricultural Research Service
Telephone: 301-504-7299
Website: http://www.ars.usda.gov/Main/site_main.html?modecode=12-45-33-00

**Home and Garden Television**
Website: http://www.hgtvgardens.com

**National Gardening Association**
Telephone: 802-863-5251
Website: http://www.garden.org

**National Wildlife Federation**
Toll-free telephone: 800-822-9919
Website: http://www.nwf.org

**Old Farmer's Almanac**
Telephone: 603-563-8111
Website: http://www.almanac.com

**Trust for Public Land**
Toll-free telephone: 800-714-5263
Website: http://www.tpl.org

**U.S. Department of Agriculture**
1400 Independence Ave. SW
Washington, DC 20250
Telephone: 202-720-2791
Website: http://www.usda.gov

**U.S. National Arboretum**
3501 New York Avenue NE
Washington, DC 20002-1958
Telephone: 202-245-2726
Website: http://www.usna.usda.gov

**World Aquaculture Society**
Telephone: 225-578-3137
Website: http://www.was.org

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