

GARDENING MERIT BADGE WORKBOOK

This Scoutmaster Bucky Merit Badge Workbook is based off the current *Scouts BSA Requirements*.

Consider also using the Gardening merit badge class preparation page for clarification and expectations when participating in a Scoutmaster Bucky merit badge opportunity ([online](#) or [in-person](#)).

<https://scoutmasterbucky.com/merit-badges/gardening/>

Scout's
Name:

REQUIREMENT 1 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.

Most likely hazards

Anticipate hazards

Prevent hazards

Mitigat hazards

Respond to hazards

REQUIREMENT 1 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.

Cuts

Scratches

Puncture wounds

Insect bites

Anaphylactic shock

Heat reactions

Exposure to pesticides and fertilizers

REQUIREMENT 2 A: Grow six vegetables, three from seeds and three from seedlings, through harvest.

Grow three vegetables from seeds through harvest

Grow three vegetables from seedlings through harvest

REQUIREMENT 2 B: Grow six flowers, three from seeds and three from seedlings, through flowering.

Grow three flowers from seeds through flowering

Grow three flowers from seedlings through flowering

REQUIREMENT 3: Give the nutritional value of the following:

REQUIREMENT 3 A: Three root or tuber crops

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REQUIREMENT 3 B: Three vegetables that bear above ground

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REQUIREMENT 3 C: Three fruits

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

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

REQUIREMENT 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.

How and why honey bees are used

Problems facing the bee population today

Impact to humanity if there were no pollinators

REQUIREMENT 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.

| Pest | Organic solution | Any second solution |
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REQUIREMENT 8: Do ONE of the following:

REQUIREMENT 8 A: Build a compost bin and maintain it for 90 days.

| Date started | Date completed |
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REQUIREMENT 8 B: Build a vermipost bin (worm compost bin) and maintain it for 90 days.

| Date started | Date completed |
|--------------|----------------|
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REQUIREMENT 8 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.

| Date started | Date completed |
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REQUIREMENT 8 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.

| Date started | Date completed |
|--------------|----------------|
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REQUIREMENT 8 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.

Completed