

# Fruit and Vegetable Production

**Unit Activity:** Developing a production calendar

**Unit Objective:**

Students will demonstrate their knowledge of production requirements for fruits and vegetables by developing a calendar for cultivating and harvesting 10 fruits and vegetables.

**Show-Me Standards:** 1.2, CA 3

**Reference:**

*Fruit and Vegetable Production Unit for Plant Science Core Curriculum.* University of Missouri-Columbia: Instructional Materials Laboratory, 2006.

Students may use additional outside sources to complete this activity (e.g., seed catalogs or gardening magazines).

**Instructional Strategies/Activities:**

- Students will engage in study questions in lessons 1 through 6.
- Students will complete AS 1.1, Distinguishing Between Receipts and Expenditures; AS 3.1, Evaluating a Possible Production Site; AS 4.1, Designing an IPM Strategy; AS 5.1, Exploring a Vegetable Crop; and AS 6.1, Exploring a Fruit Crop.
- Additional activities that relate to the unit objective can be found under the heading “Other Activities” in the following locations: p. 4, p. 33, p. 53, and p. 67.

**Performance-Based Assessment:**

Students will develop a yearlong calendar for establishing, maintaining, and harvesting 10 different fruits and vegetables. A real calendar or a different format, determined by the student, may be used for this activity. The calendar should include a combination of both fruits and vegetables.

Students will be assessed based on the overall presentation and content of their calendar.



## Instructor Guide

**The instructor should assign the unit-level performance-based assessment activity at the beginning of the unit. Students will work toward completing the activity as they progress through the unit lessons. The assessment activity will be due at the completion of the unit.**

1. Assign each student to develop a yearlong calendar for establishing, maintaining, and harvesting 10 different fruits and vegetables.
  - a. Students may use the information in their student reference or other reliable information they might acquire. They may not use the source information word for word and must provide a complete bibliography of their sources along with their calendar.
  - b. The calendar must include a combination of 10 different fruits and vegetables.
  - c. Special consideration should be given to certain crops because they may not be ready for harvest during that calendar year (e.g., seedling asparagus plants).
2. The students may be creative in the layout of their project as long as it is useful and easy to follow. An actual calendar may be used or a chart or diagram.
3. The calendar must include the following information and dates for each fruit or vegetable.
  - When and how to establish the ground prior to planting
  - When the plants should be planted
  - When and how to maintain the plants and soil prior to planting, during growth, and after harvesting
  - When and how to harvest the fruits and vegetables
  - Any other necessary practices that should be noted
4. Students will be assessed on the overall content and presentation of their calendar.



## Student Handout

1. Develop a yearlong calendar for establishing, maintaining, and harvesting 10 different fruits and vegetables.
  - a. You may use the information in the student reference or other reliable information you might acquire. You may not use the source information word for word and must provide a complete bibliography of the sources along with your calendar.
  - b. The calendar must include a combination of 10 different fruits and vegetables.
  - c. Special consideration should be given to certain crops because they may not be ready for harvest during that calendar year (e.g., seedling asparagus plants).
2. You may be creative in the layout of the project as long as it is useful and easy to follow. An actual calendar may be used or a chart or diagram.
3. The calendar must include the following information and dates for each fruit or vegetable.
  - When and how to establish the ground prior to planting
  - When the plants should be planted
  - When and how to maintain the plants and soil prior to planting, during growth, and after harvesting
  - When and how to harvest the fruits and vegetables
  - Any other necessary practices that should be noted
4. Students will be assessed on the overall content and presentation of their calendar.



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## Scoring Guide

Name \_\_\_\_\_

Assessment Area	Criteria	0 Points	1 Point	2 Points	3 Points	4 Points	Weight	Total
Information and Content of Calendar	<ul style="list-style-type: none"> <li><input type="checkbox"/> All facts are accurate</li> <li><input type="checkbox"/> Practices are sound</li> <li><input type="checkbox"/> Addresses all key topics</li> <li><input type="checkbox"/> Facts or practices are listed in proper order</li> </ul>	0 criteria met	1 criterion met	2 criteria met	3 criteria met	All 4 criteria met	X 20	
Presentation	<ul style="list-style-type: none"> <li><input type="checkbox"/> Well organized</li> <li><input type="checkbox"/> Useful format</li> <li><input type="checkbox"/> Neat</li> <li><input type="checkbox"/> No spelling or punctuation errors</li> </ul>	0 criteria met	1 criterion met	2 criteria met	3 criteria met	All 4 criteria met	X 5	
<b>TOTAL</b>								

**Final Assessment Total \_\_\_\_\_/100 pts.**

**Comments:**

