



COLORADO STATE UNIVERSITY
EXTENSION

Gardening



Project units 1-3 are designed for members 8-18 years old.

Unit 1 - See them Sprout

Inspiring youth to learn:

- When, where, and what to plant
- Types of soils and soil preparation
- Rows versus hills
- Cool and warm season vegetables
- Seed preparation and garden tools
- Plant parts and how plants are used
- Integrated pest management
- When to harvest

Unit 2 - Let's Get Growing

Inspiring youth to learn:

- Seed varieties and rotating crops
- Starting seed indoors
- Hardening off
- Plant properties
- Preventative pest control
- Specialty harvest
- Selling the harvest
- Horticulture careers

Unit 3 - Take Your Pick

Inspiring youth to learn:

- Broadcast planting and herb gardening
 - Soil structures and seed damage
 - Hybrids and pollination
 - Animal pests and preservation
 - Food industry careers
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Unit 4 is designed for members 14-18 years old

Unit 4 - Growing Profits

Inspiring youth to learn:

- Under cropping & double cropping
 - Space saving
 - Greenhouses
 - Cultivar trials
 - Intensive gardening
 - Biotechnology
 - Hydroponics
 - Disease and deficiencies
 - Power tools
 - Pesticide safety
 - Botanist and research careers
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Gardening

Tips:

4-H members usually complete the Unit 1 book in 2 years and take up to 3 years to complete Units 2, 3, and 4.

See them Sprout:

- Complete a minimum of four activities each year (Year 1: pages 4-21; Year 2: pages 22-37).
- Complete pages 43 and 44 in Year 1 and 43 and 45 in Year 2.

Let's Get Growing:

- Complete a minimum of four activities each year (Year 1: pages 4-21; Year 2: pages 22-37).
- Complete pages 45 and 46 in Year 1 and 45 and 47 in Year 2.

Take Your Pick:

- Complete a minimum of four activities each year (Year 1: pages 4-21; Year 2: pages 22-40; Year 3: pages 41-54).
- Complete pages 63 and 64 in Year 1, pages 63 and 65 in Year 2, and pages 63 and 66 in Year 3.

Growing Profits:

- Complete a minimum of four activities each year (Year 1: pages 4-19; Year 2: pages 20-39; Year 3: pages 40-56).
- Complete pages 65 and 66 in Year 1, pages 65 and 67 in Year 2, and pages 65 and 68 in Year 3.

Exhibit a display board illustrating a topic investigated during the project year. Enter your project in the county fair. Share information learned in talks and displays.



Resources:

- Exhibit & Judging Requirements
- Record Books
- Manual Information

Located at: Colorado4h.org



**Beyond
Ready**

Gardening Industry Careers



Landscape & Design

Work to provide landscaping and design as well as upkeep and maintenance



Research

Create new varieties of plants or enhance traits such as increased production or drought tolerance



Therapy

Provide opportunities for engagement to help patients therapeutically utilizing gardening and cultivation



Retail

Provide sales of products at different retail levels



**COLORADO STATE UNIVERSITY
EXTENSION**

Degrees/Certifications:

Microbiology
Plant-Based Nutrition
Disease Management
Master Gardener
Agronomy/Crop Science
Entomology
Viticulture
Turfgrass Management
Landscape & Design



Sales

Provide product support and education to gardeners, businesses, and consumers



Education

Teach others about gardening from small to large scales



Regulation

Help prevent unwanted diseases and invasive species going in and out of the United States



Inspection

Provide inspection services to ensure consumer safety and quality in production