



Introduction to Horticulture

Unit 1

Introduction to Horticultural Science

Framework 1.1

- 1. CDE – career development event
- 2. Entrepreneur – one who works for oneself
- 3. Floriculture – the science and practice of growing, harvesting, storing, designing, marketing, and distributing foliage and/or flowering plants
- 4. Horticulture – literally means “garden cultivation”; includes the cultivation, processing, and sale of fruits, nuts, vegetables, ornamental plants, and flowers



Introduction to Horticultural Science

Framework 1.1

- 5. Interiorscaping – using live plants to landscape indoor areas; also known as plantscaping



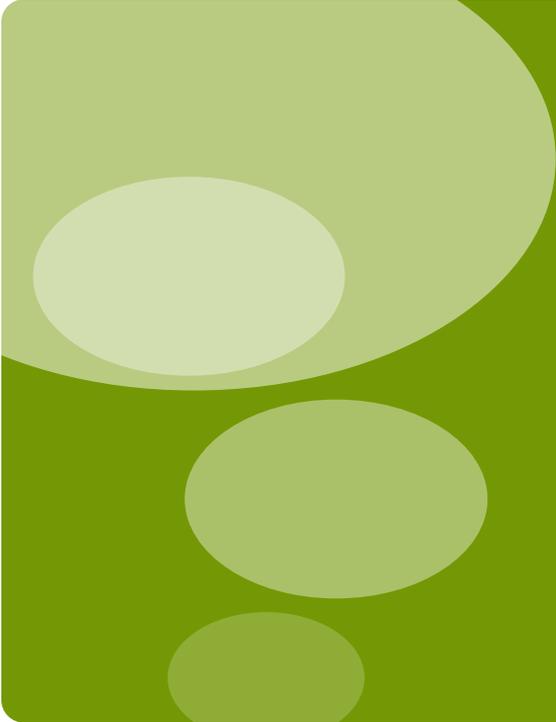
- 6. Landscaping – the science and practice of installing, maintaining, and using grasses, plants, shrubs, and trees in the landscape
- 7. Olericulture – the science and practice of growing, harvesting, storing, processing, and marketing vegetables
- 8. Ornamental horticulture – the practice of growing and using plants for decorative purposes

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Framework 1.1

- 9. Placement – working for someone else
- 10. Pomology – the science and practice of growing, harvesting, handling, storing, processing, and marketing tree fruits
- 11. Proficiency – an award for an individual's SAE
- 12. SAE – supervised agricultural experience





Ornamental Horticulture

Ornamental Horticulture

- Growing plants for their beauty
- Used for aesthetic qualities for their appeal to the human senses
- Can be further broken down into Floriculture and Landscaping.



A graphic with a dark green background and rounded corners. On the left side, there are three overlapping circles of varying shades of light green. The text "Nursery/Landscape" is written in white, sans-serif font on the right side of the graphic.

Nursery/Landscape



Nursery/Landscape

■ Landscaping

- deals with producing plants to make outdoor environment more appealing

Landscape Designer

- designs planting plants
- installs plant material
- maintains plants

■ Nursery

- A place where plants, shrubs, and ornamental trees grown for landscaping
- Propagate and grow ornamental plants for installation in landscaping





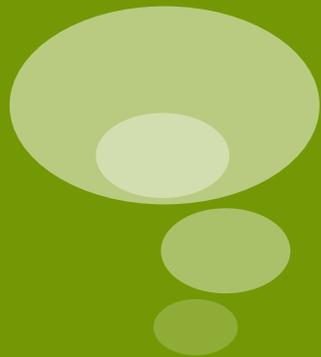
Pomology

Pomology



- Marketing of Fruits and Nuts
- Found throughout the United States
- Some examples of regional pomology are:
 - Texas: citrus
 - Georgia: peaches
 - Washington: apples
 - Florida: citrus





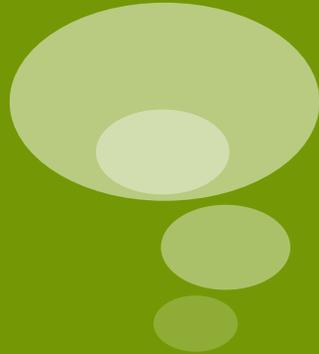
Floriculture



Floriculture

- Greenhouse growers produce
 - cut flowers
 - flowering potted plants
 - foliage plants
 - bedding plants

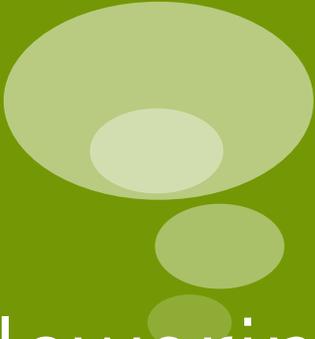




Cut Flowers

Sold to Florist
They are arranged into
bouquets and sold to the
public

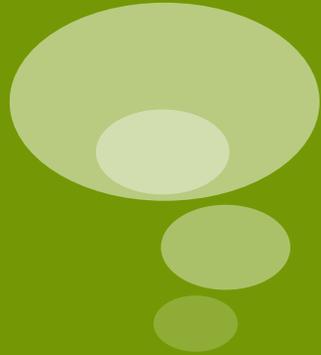




Flowering Potted Plants

Sold in the containers in
which they grew





Foliage Plants

Often sold in pots for use
as house plants

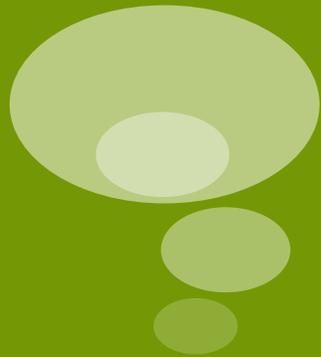




Bedding Plants

Plants homeowners transplant into
their flower gardens



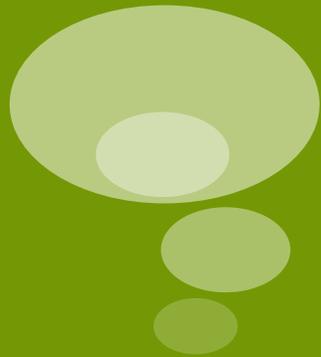


Olericulture



Olericulture

- Growing, harvesting, storing, processing, and marketing of vegetables.
- Can also be done on a personal level with a family garden (so long as deer and other wildlife allow!)
- Includes organic farms



Careers in Horticulture

Framework 1.3



Production Nursery

- Propagator- produces new plants by grafting, budding, layering, and rooting, Supervisor
- Inventory Manager- maintains records of all plant materials; number of plants by species, other data
- Field Supervisor- supervises crew as they work in production. Responsible for states dangers
- Manager- coordinates entire nursery



Landscape Nursery



- Construction Supervisor- in charge of actual construction on site
- Designer- prepares landscape designs
- Salesperson- makes customers aware of the availability and quality of company for landscape work





Landscape Maintenance

- Crew Supervisor- supervises workers on individual jobs and trains new workers
- Superintendent of Operations- coordinates the maintenance jobs and assigns crews to specific jobs in larger firms
- Salesperson- solicits jobs for the company among potential customers
- Manager- coordinates all phases of the work and supervises maintenance work



Garden Center



- Buyer- responsible for locating the sources and purchasing
- Landscape Designers- develops and prepares designs for homeowners in small towns
- Plant Technician- specializes in plant problems
- Manager- administrates and coordinates the entire marketing operation.

