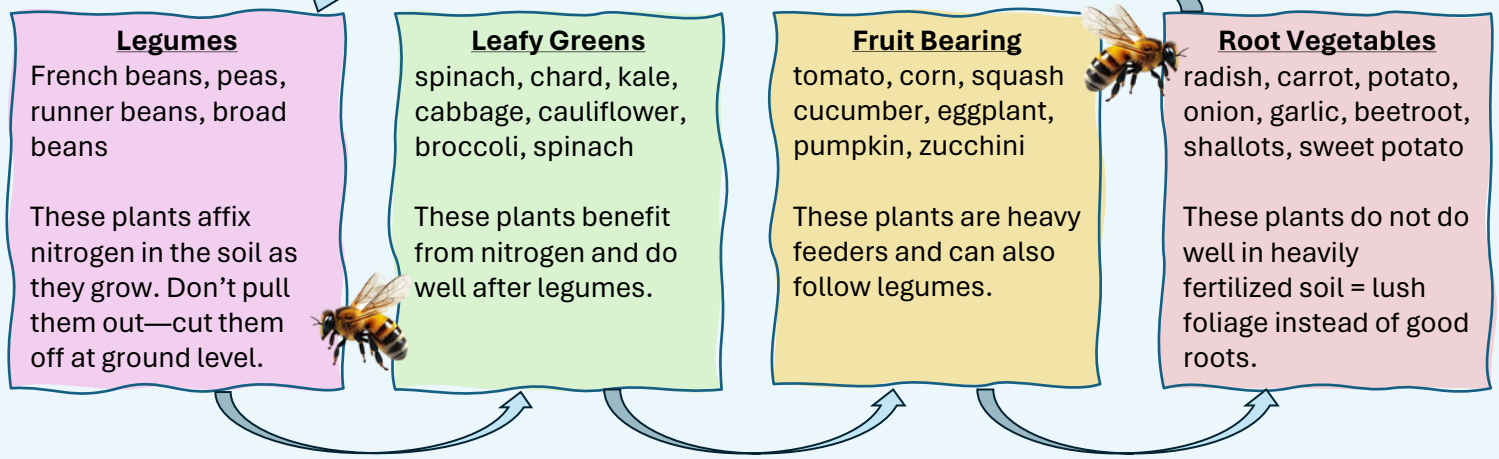


# PLANT FOR SUCCESS!

**Rotation: Applies to an area of the garden or a raised bed on a yearly basis.**

What? Avoid growing plants from similar families in the same spot year after year.  
 Why? Reduce the spread of soil-borne disease. Prevent nutrient depletion in the soil. Reduce the need for pest control.

## Typical Rotation Cycle



**Succession: Applies to a single growing season and is dependent on temperatures.**

What? Plant something new in the same spot after one crop is harvested.  
 Why? Ensure continuous supply of fresh vegetables.

### Secrets to Ensure Succession Success

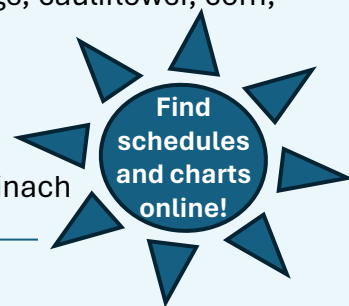
- Don't plant all the seeds in the package at the same time; sow only a quarter of the seeds every 2 weeks. This is called relay planting.
- Plant based on temperature preferences of plants. Know your zone and last frost date and follow instructions on seed packets.
- Use companion planting.
- Plant different varieties of the same plant, tomatoes for example. They won't all mature at the same time because harvest dates vary by variety or cultivar.
- Use succession planning chart from Penn State Extension or other source.
- Keep records to help with timing.

**Cool weather** (last planting mid July): bush beans, broccoli, cabbage, Chinese cabbage, cauliflower, corn, cucumber, chicory, okra, peas, leeks, radicchio, rutabaga, summer squash

**Warm weather** (last planting late June to early August): carrot, chard, collard, kale

**Warm weather** (last planting mid to late August): beet, broccoli raab, endive, lettuce, mustard, spinach, turnip

**Cool weather** (last planting early to mid September): arugula, cress, onion, radish, spinach



## Companion Planting

What? Planting various plants close to each other.  
 Why? Suppress weeds, control pests, increase pollination, provide habitat for beneficial insects, maximize use of space, and increase crop productivity.

- Successful Partners
- Flowers + vegetables attracts pollinators (cottage gardening)
  - Broccoli + kale
  - Chili peppers + carrots, lettuce, radishes, or cucumbers
  - Marigolds + tomatoes or beans
  - Basil + tomatoes
  - Radishes + beets, carrots, spinach, parsnips, cucumbers, or beans