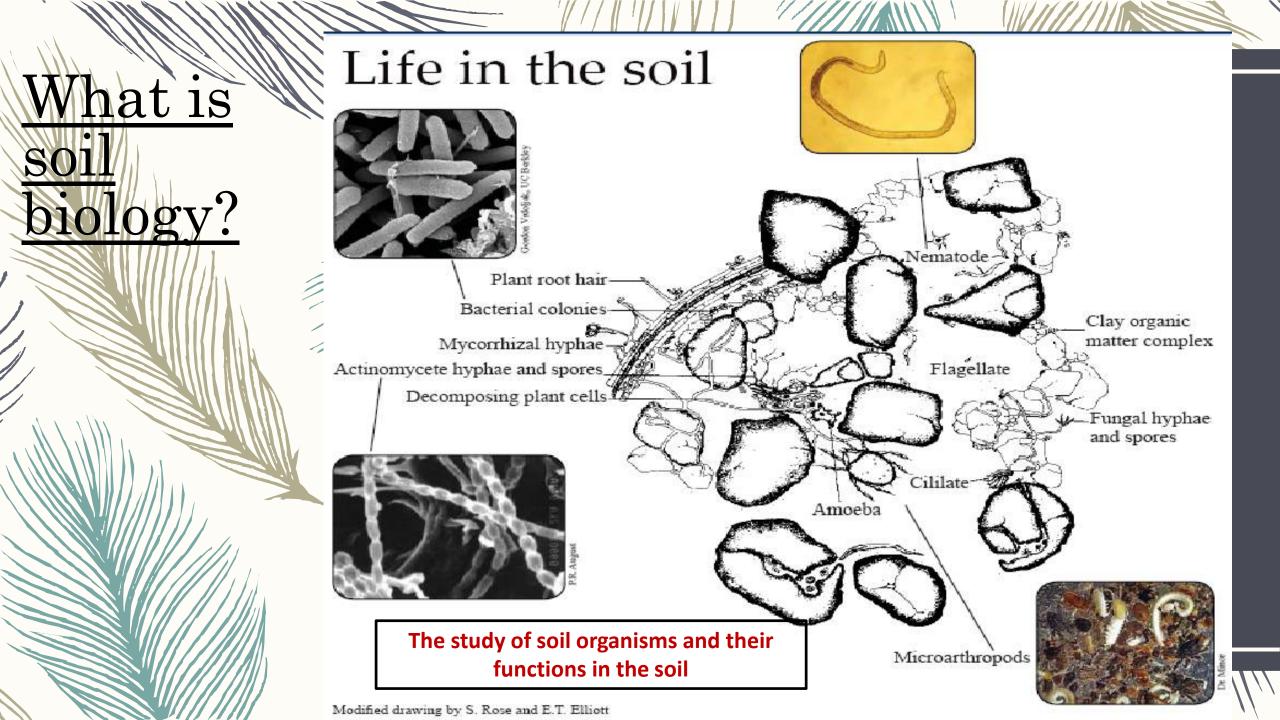
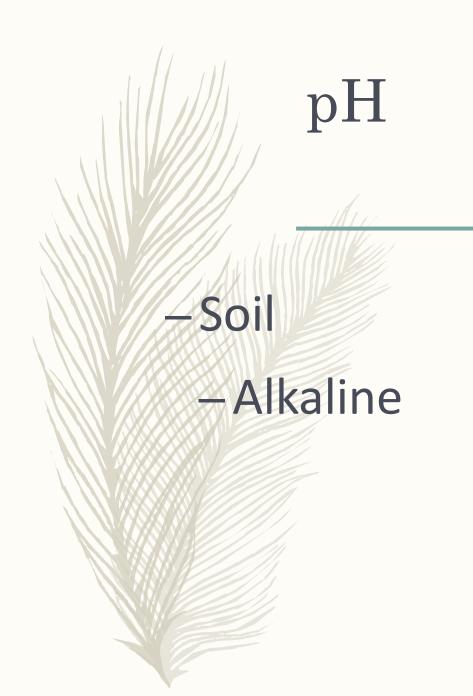


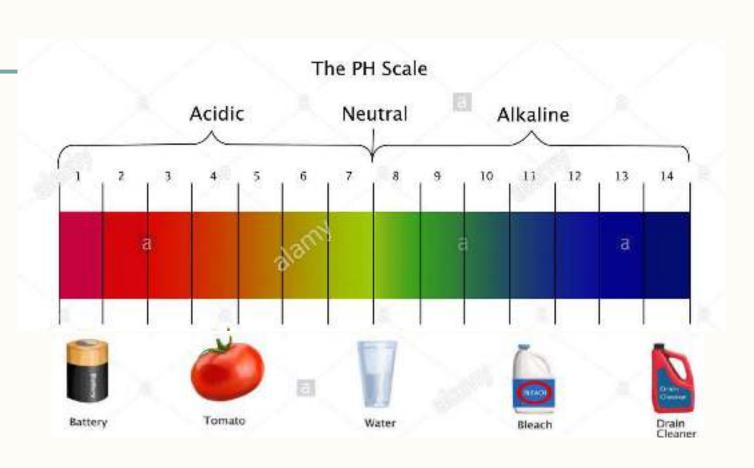
### Considerations:

- Soil
- Crop Selection
- Seeding and Transplanting
- Watering
- Diseases and Insects
- Weed control

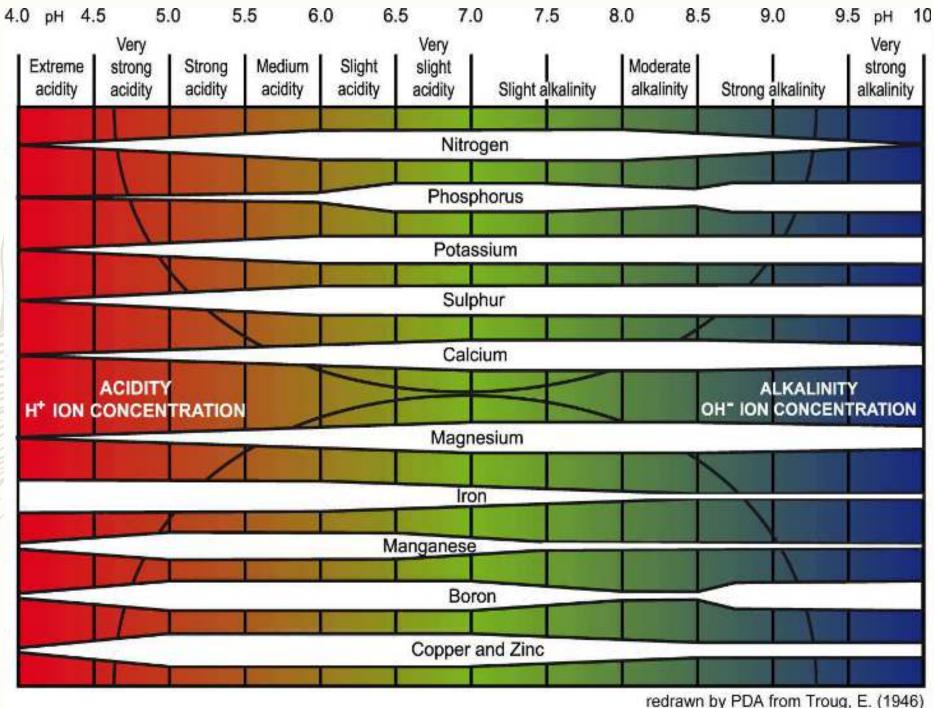












#### The Role of Soil in a Garden

- Removes pollutants and cleanses water
- Absorbs rainfall and mitigates flooding
- Stores water for plants, wildlife and people
- Provides nutrients and oxygen for plants
- > Provides habitat for a variety of microbes, plants and animals





Late Summer/Fall Planting     Harvest late-fall through winter.      Early Spring Planting     Harvest before school ends.		Warm Season Crops     Late Spring (or Summer*) Planting     Harvest when returning to school in     fall. (Have a plan in place for summer     weeding, watering, and harvest.)	
Best to sow directly into Garden Beds	Best to plant transplants into Garden Beds	Best to sow directly into Garden Beds	Best to plant transplants into Garden Beds
Beets Calendula (edible flower) Carrots Garlic Nasturtium (edible flower) Onions Peas Radish Spinach	Asian Greens Broccoli Cabbage Cauliflower Chard Collards Kale Kohlrabi Lettuce Nasturtium (edible flower) Onions	Amaranth Corn Cucumbers* Melons Popcorn Potatoes Pumpkins Shelling Beans Snap Beans* Summer Squash* Sunflowers (with edible seeds) Winter Squash	Eggplant Onions Peppers Tomatoes

## Reading a Seed Package





White Cosmos Snow Sonata

(Cosmos bipinnatus)

#### ANNUAL

DAYS TO GERMINATE 7 – 10 days

PLANTING DEPTH //2 inch

SUN/SHADE Full sun

PLANT IN April – July Summer/fall bloom Frost tender

#### To PLANT OUTDOORS

Sow seeds 1/2 inch deep, 1 to 2 inches apart in a sunny location in well-worked garden soil once danger of frost is past. Cover lightly and keep seed bed moist. Seedlings emerge in 7 to 10 days. Keep well weeded and watered while plants are young; mature cosmos can handle hot and dry conditions.

#### To START EARLY INDOORS

Sow seeds I inch apart in a container of seed starting mix, 4 to 6 weeks before last expected frost. Cover ½ inch deep, keep moist and provide a good light source. Plant outdoors once weather warms up after

gradually acclimating to outdoor conditions.

#### THIN OR TRANSPLANT

Space 6 inches apart when seedlings are large enough to handle.

#### GROWING NOTES

These free flowering summer bloomers produce reliably in all soil types and can be sown several times through early July for a succession of flowers. Cutting generous bouquets actually prolongs the blooming season. Replant a spent spring flower bed with satiny Snow Sonata, deep indigo Royal Ensign bush morning glories and sparkling Signet Marigolds for a summer showing to shine until frost.

5048

### Seeding and Transplanting

- Easily transplanted
- Seed germinated in a baking pan, plastic tray, pot or cardboard milk carton
- Peat pellets or peat pots
- Transplant seedlings when they develop their first two to three true leaves



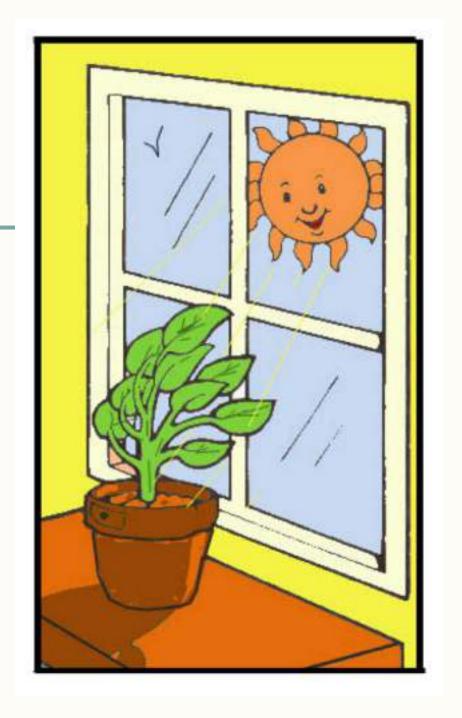






# Light

- Most need full sun
- Leafy crops can tolerate shade
- Fruit bearing need the most sun of all





# Watering

- Drainage
- Overwater → Symptoms
- Avoid wetting the foliage
- Mulch
  - Compost
  - Straw





### ORGANIC MATTER BENEFITS

- Adding organic matter improves nutrient supply of the soil
- Increases soil biological activities
- Improves soil structure
- Improves soil water holding capacity
- Prevents soil erosion



### Increase your Success

#### – Mulch

- Helps reduce soil moisture loss through evaporation
- Helps control weed germination and growth
- Insulates soil, protecting roots from extreme summer and winter temperatures
- Can improve soil biology, aeration, structure (aggregation of soil particles), and drainage over time
- Can improve soil fertility as certain mulch types decompose
- Gives planting beds a uniform, well-cared-for look



### Disorders, Diseases and Insects

Check plants periodically

- Mechanical damage
- Salt and/or Fertilizer burn
- Insects

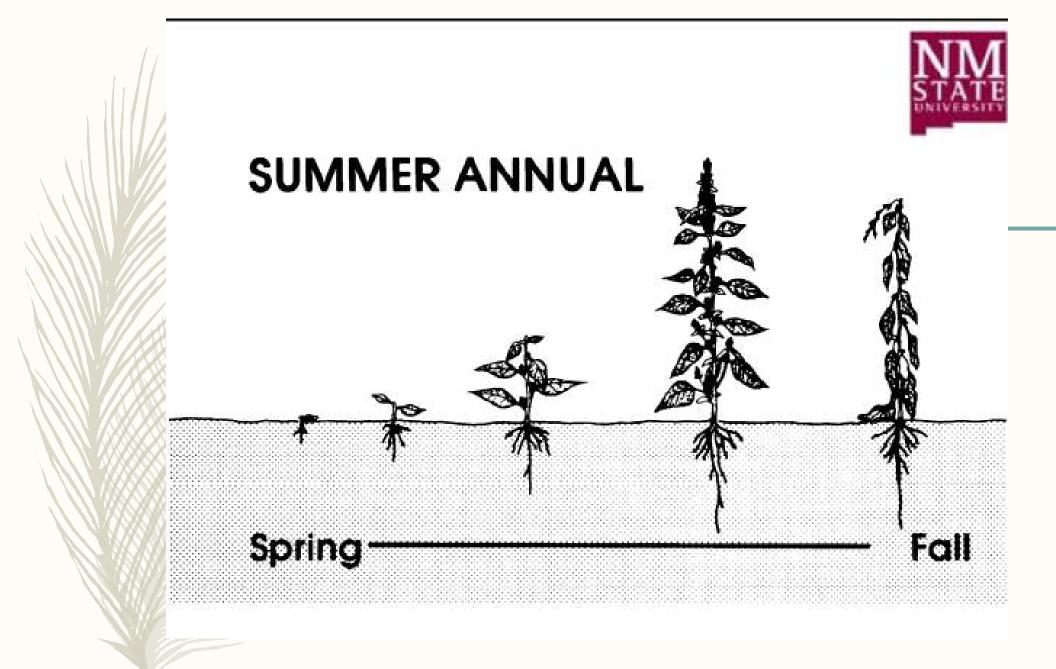


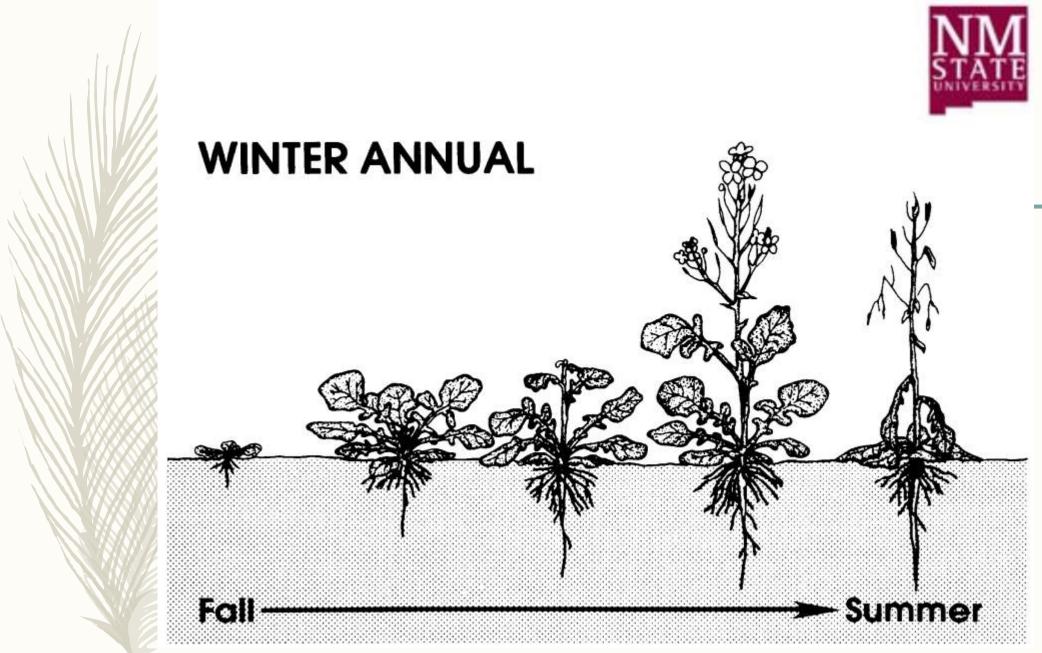


"If a little is great, and a latter, then way too much is just about right!"

Mae West.







LESLIE BECK, NMSU EXTENSION WEED SPECIALIST



- Proper identification
- No magic answer
- One approach won't be enough
  - Give competition
  - Hands-on Technique









### Resources

- Bernalillo County Extension Office
  - https://bernalilloextension.nmsu.edu/

**Desert Blooms** 

https://desertblooms.nmsu.edu/