

### Sun and Water Source

- 6-8 hours sunlight for most plants

   Leafy, root vegetables 4-6 hours ok
- Have a nearby water source

   Use drip or soaker hose irrigation



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- Make sure seeds, seedlings, and transplants get enough water.
- Keep soil moist, including the root ball!
- Water regularly.
  - Sporadic watering can cause problems for the plant.



## **Soil Preparation**

- Add 4-6" of compost to your garden and mix in
- Containers: use good-quality potting mix
  - Avoid using outdoor soil which may contain
    - Weed seeds, diseases, or other pests
    - Garden soil can make containers heavy and hard to move



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## **Container Gardening**

- Clay, plastic, metal, wood, etc., all work well.
- Drill holes if missing.
- Large containers are best.



Choose light colored containers to help reflect heat.

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### **Container Concerns**

- Heavy containers.
  - Use a pot trolley underneath.
- Pots may stain your porch or patio.
   Use saucers underneath.
- Empty saucers.
  - Don't allow container to sit in water.
  - Sitting water could become a mosquito pond!



## **Creative Containers**

- Wagons or wheelbarrows
- Kitty litter bins
- 5-gallon buckets Rubber maid tubs
- Kiddie pools
- Milk jugs (1 gallon)
- Anything else you can think to use!



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### Watering & Containers

- Containers may dry out quicker than mulched plants in the ground.
- Test moisture with your finger to a few inches deep, water as needed.
- During warm weather, daily water may be needed or even 2x a day depending on temperature and container size.





## **Planting Methods**

- Transplants (4-6 weeks old)
  - Recommended for beginning gardeners
  - Preferred choice for certain vegetables
- Seeds



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### What is a transplant?

- A plant that is 6 weeks old or older.
- A plant that can quickly help you establish your garden.
- Many fall garden transplants are available.
  - Use seeds is the most inexpensive choice.
  - Sometimes transplants are easier for new gardeners to establish rather than seeds.



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### **Planting Transplants**

- Take plant out of container and examine "root ball."
- Pull apart circling, overgrown roots.
- Make a hole the same size of root ball.
- Set plant into hole.
- Fill in around root ball gently.Water well, is the root ball
- saturated?



## Plant Seeds Now? But it's HOT!!

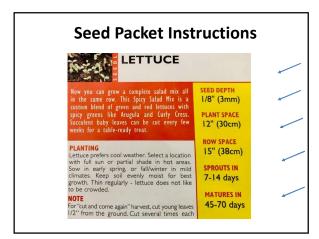


- Protect seeds by keeping soil evenly moist
- Take advantage of shade
  - Keep plants in 50% shade until germinated and established
  - Place cardboard over planting, check daily for sprouts, then remove



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## Why didn't my seeds come up?

- You might have buried them too deeply.
- You didn't water them consistently to keep soil moist.
- The seeds expired (past date).

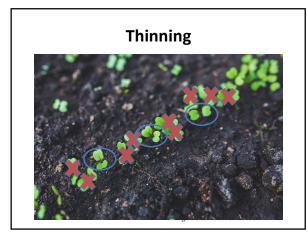


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## What is thinning?

- 3 weeks after plants sprout, choosing which seedlings to keep, and which to remove.
- Removing some seedlings so plants have enough space.
- Necessary practice that can be DIFFICULT to undertake.
  - Why? We want to keep ALL the seedlings!







# What are you going to plant?

Cauliflower

• Fava beans

- Artichokes
   Cabbage
- Asparagus
- Beets
- Bok ChoyBroccoli

• Brussels

Carrots

Sprouts

- Lettuce
- Turnips

• Collard greens • Spinach

- Mustard
- greens
- Peas



• Potatoes

Radishes

• Swiss Chard

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## Fall Vegetables

- So many choices!
- Plant in fall or winter
- Harvest in fall, winter, or spring
- Depends on crop and when you plant.



### Artichoke

- Transplants: fall or winter
- Harvest: spring
- Plant in the ground grows too large for containers
- Plants may reach 4' tall and wide
- Perennial crop



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### Asparagus

- Transplants or roots: winter
- Best grown in the ground, ok in a large trough
   Roots need 3-6' depth for development
- Wait 3 years until plant is mature to harvest
- Harvest: spring



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### **Broccoli & Cauliflower**

- Seeds: July/August – Winter harvest
- Seeds: December – Spring harvest
- Transplants: fall – Winter harvest
- Use 5-gallon container/plant
- Protect cauliflower heads in spring; use leaves to cover







## **Brussels Sprouts**



- Seeds or transplants: summer • Harvest: winter to early spring
- Use a 5-gallon container per plant
- Grows to 2 ½ feet tall



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### Cabbage

• Seed: July/August -Give 50% shade during germination



- & establishment
- Transplant: fall
- Harvest: winter
- 5-gallon container/plant



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## **Root Vegetables**

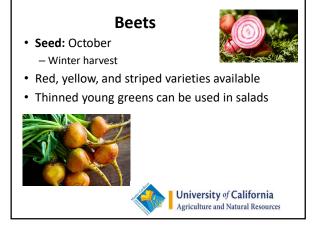
• Prepare soil well.

– Avoid 6 packs • Use 1-2' deep container.

• Use Seeds



- Rectangular containers work well.
- Space according to seed packet directions.
- Thin, thin, thin!
- Plant in succession for frequent harvest.



### Carrots

- Seeds: July/August (winter harvest)
- Seeds: fall (winter/early spring harvest)
- Winter harvested carrots are exceptionally sweet!



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## Radishes

- Don't thrive in hot weather
- Plant seeds: fall every 2 weeks
- Harvest in 30 days or less!
- Daikon radishes take 60 days



#### Peas

- Seeds: fall - Harvest in spring
- Use 14-16" deep pot
- Transplants available - Seeds are less expensive
- Plant near a trellis for support



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### Fava Beans

- Seeds: end Oct-mid Nov — Plant in rows for cover crop
- Harvest: March mid April
- Help replenish the soil with nitrogen
- Great place for lady bugs (lady beetles) to overwinter!





## **Leafy Greens**

- Plant from seed, most economical
- Don't forget to thin
- Purchase as 6 packs
- Use 9-12" deep pot
- Follow spacing directions





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## **Bok Choy**

• Seeds or transplants: late summer or early fall - Seeds most inexpensive

- Harvest: fall/winter
  - Harvest baby greens OR

– Cut plant to 1" tall, will regrow

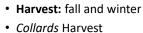


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### Mustard & Collard Greens

• Seeds : fall





- Harvest young leaves as needed
- <u>Mustard Greens</u> Harvest
  - Cut plant back to 4" tall OR
  - Harvest leaves as needed



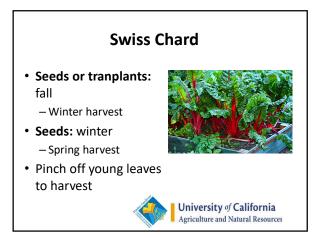
### Lettuce

- Seeds or transplants: fall - Seeds most inexpensive
- Harvest: fall/winter
- Leaf lettuce easier for beginners
  - Harvest by pinching off outer leaves which will regrow



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### Potatoes



- "Seed" potatoes: winter
- Harvest: spring
- <u>Purchase from nursery or garden center</u> - Do not use store bought potatoes!
- Cut 2" pieces with 2-3 "eyes," let dry out.
  - Plant 3" deep in 5-gallon bucket or larger
  - To harvest, just dump bucket!
  - In the ground, gently use a mattock to harvest to avoid piercing taters.

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# Onions



• Transplants: fall or spring - Late spring harvest



– Not always successful

• Harvest Instructions

 May; stop watering and allow tops to flop over and turn brown.

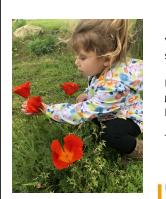








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### Use IPM! (Integrated Pest Management)



- First, identify the pest.
- Insects
  - Spray off with water or knock into a bucket of soapy water.
  - Use a less toxic pesticide such as a horticultural soap or oil.
  - Always read pesticide labels!
- Weeds: pull as soon as you see them.

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