

# Site Characteristics 6-8 hours of sun (preferably more) Water available for irrigation Soil that can be adequately improved Fencing/gates

### Soil Preparation

- Organic Matter/Compost (up to 4" deep)
- Check pH 6.5-7.0 is best add soil sulfur if needed
- Nitrogen
- Phosphorus
- Till to homogenize
- Irrigate to settle
- Allow to dry
- Rake to level





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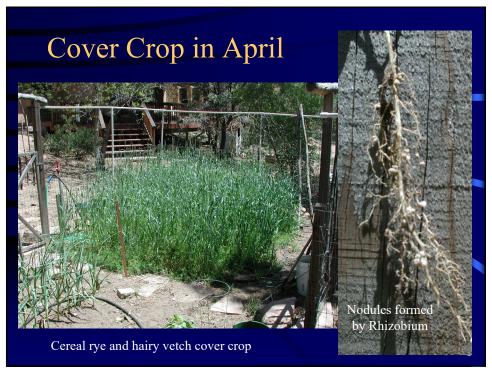
### Cool Season Cover Crop and Green Manure

- Plant combination of hairy vetch (a legume) and cereal rye in the fall (October)
- Inoculate vetch seeds with appropriate inoculum (seed catalogs have it) so it will fix maximum amount of N
- Mow and turn into soil 3-4 weeks before planting













### **Determining Spacing**

- Know size of mature plant and space accordingly (L x W x H)
- Can get creative with vertical dimension
- 4<sup>th</sup> Dimensions: L x W x H x Time
- Seed packets instructions are a starting point



### **Fertilizers**

- Some crops have high nitrogen requirements and side dressing N in mid-season is recommended
- Organic fertilizers provide timed release effect
- Inorganic fertilizers may be used too
  - Timed-release products (osmocote, etc.)
  - Urea
  - Triple Super Phosphate
  - Others...





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### "Organic" Fertilizers

- Homemade Compost
- By-products (feather, hoof, horn, bone, blood, fish, etc.)
- Alfalfa Meal
- Green Manure
- Manures and Guanos
- Seaweed



Manures				
Manure	N%	P%	K%	Availability
Cattle	2-3	0.5-1	1-2	moderate
Horse	1-2	0.5-1	1-2	slow
Swine	2-3	0.5-1	1-2	rapid
Poultry	3-4	1-2	1-2	rapid
Sheep	3-4	0.5-1	2-3	moderate
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### Rabbits - three foot tall chicken wire fence with 1-inch hexagonal mesh buried a few inches Deer - 6 to 8 feet tall fence, mesh or electric could be considered, many designs Raccoon - combination of rabbit and deer fence Squirrels – completely covered cages







### Planting Times

- Warm Season Crops plant beans, squash, tomatoes, peppers, eggplant, cucumbers, etc. after soil has warmed (mid-May in Prescott and late April/early May in VV).
- Cool Season Crops generally root crops and/or leafy green crops some have dual planting seasons check "Ten Steps to a Successful Vegetable Garden Publication".
- Corn and potatoes can be planted early spring with frost protection.

### Season Extenders

- Cold frames good for winter greens
- Floating Row Cover (remay, frost cloth) is great for starting early spring crops and for protecting crops from birds and grasshoppers
- **Hoop houses** work well for season extension, but need to be opened up in the heat of summer
- Walls of Water great for early planting of warm season crops



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# Vegetable Crops — A to Z See Handout







