

## **PREPARING THE SOIL for a 10 x 10 plot of land:**

**1. Turn the soil with shovel or rototill to a depth of 12 – 18". This will loosen and aerate the soil. Remove large rocks and stones.**

**2. Add the following amendments and distribute evenly over the entire plot:**

**4 cu ft garden topsoil (organic)  
2 – 4 cu ft peat moss  
4 cu ft composted manure/humus  
2 – 3 lbs lime**

**3. Mix everything in to a depth of 2 – 4" with shovel or rototiller.**

**4. Get a smooth, level surface by raking as soon as possible after mixing/turning. Try not to walk on soil.**

### **Planting the Garden**

- **Use Companion Planting Guide**
- **Rotate crops from 2010**
- **Keep notes from year to year**
  - **What worked? Did not?**
- **Plant Based on a Cropping System**

### **Plant beneficials**

- **Alyssum**
- **Basil**
- **Cosmos**
- **Dill**
- **Sunflowers**

### **Pesticides and Organic Gardening**

- **Determine if control measures are really needed**
- **Consider alternatives to control measures**

### **Integrated control is next step**

### **Integrated Pest Management (IPM)**

- **Method of pest control**
- **Minimizes plant damage**
- **Minimal environmental hazard**
- **Integration of various strategies**

- **Keeps pests at tolerable levels**
- **Cost effective**
- **Environmentally sound**
- **Includes use of some non-organic forms of pest control**

### **Components of IPM**

- **Strive for healthy plant growth**
- **Monitor**
- **Identify cause of plant problem**
- **Scout for beneficial pests that may be present**
- **Determine threshold level of pest-prevent damage**

### **Pest Control Options**

- **Review options**
- **Carefully select and use least toxic: Follow label directions carefully**
- **Use most specific pesticide available to reduce pest population to tolerable level**
  - **Aphids: Rotenone**
  - **Whiteflies: Pyrethrum**
  - **Tomato Leaf Blight: Fungicides with copper**
  - **Blossom End Rot: Soil Needs Lime**
  - **Colorado Beetles: Rotenone**
  - **Cabbage Worms: Hand Pick**
  - **Squash Vine Borer: Rotenone**
  - **Cucumber Beetles: Rotenone**
  - **Bean Beetles: Rotenone**

### **Cultural Controls**

- **Standard management techniques**
- **Crop rotation**
- **Tilling**
- **Pruning and thinning**
- **Timed planting**

**Good sanitation is always necessary; clean all tools after each use**