

## Buckets, Beds, and Domes

For growing vegetables and herbs organically using low cost, appropriate materials and sustainable technologies to provide food and work.

Characteristics:

1. Plants are grown in sunken grow beds or 5 gallon buckets called SIPers both which use subsurface irrigation to minimize water consumption
2. Geodesic garden domes are made of pvc pipe which can hold up to 180 pounds of weight, chicken wire, and clear plastic sheeting
3. Domes provide protection from animals and birds, collect rainwater for drought conditions using a channel system that directs water into the dome, and protect plants from heavy rains
4. Vertical gardening allows maximizing of space in the dome
5. Composting and worm teas provide additional nutrients to the soil