

Garden for Health

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Organic Gardening

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Basic Tenets

- Basic Definition
 - Gardening conducted without the use of synthetic fertilizers or pesticides
 - Made from petroleum and chemical sources
- Natural Methods
 - Weed, Pest, and Disease Control
- Good Soil Husbandry





Soil Husbandry

- Recycling
 - Organic Matter
 - Compost
 - Manure
 - Green Manure Crops
 - Animal Manure
 - Mulch
 - Organic Byproducts
 - Blood Meal
 - Feather Meal
 - Gin Trash
- Natural Minerals
 - Ground Rock Phosphate
 - Limestone
- Soil Tillage

Weed, Pest, and Disease Control

- Natural Methods
 - Crop Rotation
 - Sanitation
 - Avoidance
 - Environment Modification
 - Biological Controls



Sanitation

- Green Thumb, Clean Thumb
 - Pasteurization of potting medium
 - Aerobic compost pile
 - Hand washing
 - Pruning
 - Roguing
 - General tidiness
- Limits Disease, Deters Pests





Avoidance

- Timely strategy
 - Growth of plants during period of minimal risk for pest/pathogenic infestation
 - Corn: Late Winter/Early Spring
 - Limit potential for cornworm infestation
 - Melons: Beginning of Warm Season
 - Avoidance of seasonal viruses
 - OR environmental conditions
 - Warm Season Perennials (e.g. citrus, figs, ginger):
 Beginning of Warm Season
 - Build tolerance to cold

Environmental Modification

- Minimizing favorability of garden for pest habitation/plant infection
 - Pruning
 - Facilitate air movement
 - Allowance of light penetration
 - Microclimate Planting
 - Avoid cold damage
 - Humidity Control
 - Soil pH Management
 - Lower pH: potatoes/sweet potatoes
 - Raise pH: cruciferous club root prevention



Biologic Controls

- Pest Management
 - Reverse Symbiosis
 - Encourage Predatory Populations
 - Spiders, bats, lizards, toads, insects, snails
 - Combat destructive insects and mites
 - Plant variety, avoidance of synthetic fertilizers
- Weed Management
 - Mulch smothering
 - Plant power
 - Weeder Geese
 - Weed strawberry fields



Synthetic Chemicals

- Remain active
- Contain contaminants
- Damaging salts
- Microorganism inhibition
- Toxic
 - Applicant threat

Additional Concerns

- Plastic
- Sewage Sludge and Animal Manure
 - Potential health hazards
 - Heavy metal and pathogen accumulation
 - Raw Manure
 - Ammoniums and Proteins
 - Complex undigested compounds
- Fossil Fuels
 - Person Power > Machines
 - Transportation



