



#### Food Forest, cont'd.

 The main element in a guild will be supported by plant(s) or animal(s) serving the functions of, at least, available nutrient fertilizer, soil building or pest control. Choosing elements for guild associates is done mainly through observation of naturally ocuring plant and animal associates and then through trial and error based on these assemblies.

– Larry

Santoyo



## Chicken Heritage

- Lineage Jungle Fowl of SE Asia
- Environment Forest / Field edge, thickets, groves, scrublands, from rainforest to drylands
  - Trees (overstory, understory)
  - Open areas, covered areas
  - Shrubs, bushes, forbs, grasses
  - Forest soil
  - Seeds, nuts, fruit, grasses, leaves



# Functional Analysis of a Chicken, cont'd.

Outputs / Actions

- Poop
- Feathers
- Fly / run (mobile)
- Scratch
- Peck
- Distribute



#### **Food Forest Components**

- Hugelkultur piles / compost piles
- "Blaze of Growth" grass & forbs young growing grass and plants
- Mature grass & forbs
- Understory trees & shrubs
- Overstory trees
- Plantings
- Water & feed\*

#### **Hugelkultur Piles**

Soil

Compost Leaves / hay / grass clippings Bracken / branches Large pieces deadwood

- Scratch
- Worms / bugs
- · Chickens distribute / mix layers
- Chicken poop adds N





### **Understory Trees & Shrubs**

Fruits and Berries

- Apple
- Pear
- Peach
- Mulberry
- Wild Raspberry groundfall and parasite control



## Plantings

Tomatoes and squash planted into hugelkultur piles

- High yield for little effort
- Pests attracted to plants = chicken food
- Grazable alternative when grass is dormant









Chicken Heritage - Needs and Actions	
Shelter from ground predators	Perch high
Shelter from aerial predators	Take cover
Stay dry	Perch low
Relief from light	Take cover
Relief from excessive heat	Enter forest
Warm up	Enter open area
Escape aggressive birds	Perch higher











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- OEFFA Good Earth Guide
  - http://www.oeffa.org/search-geg.php