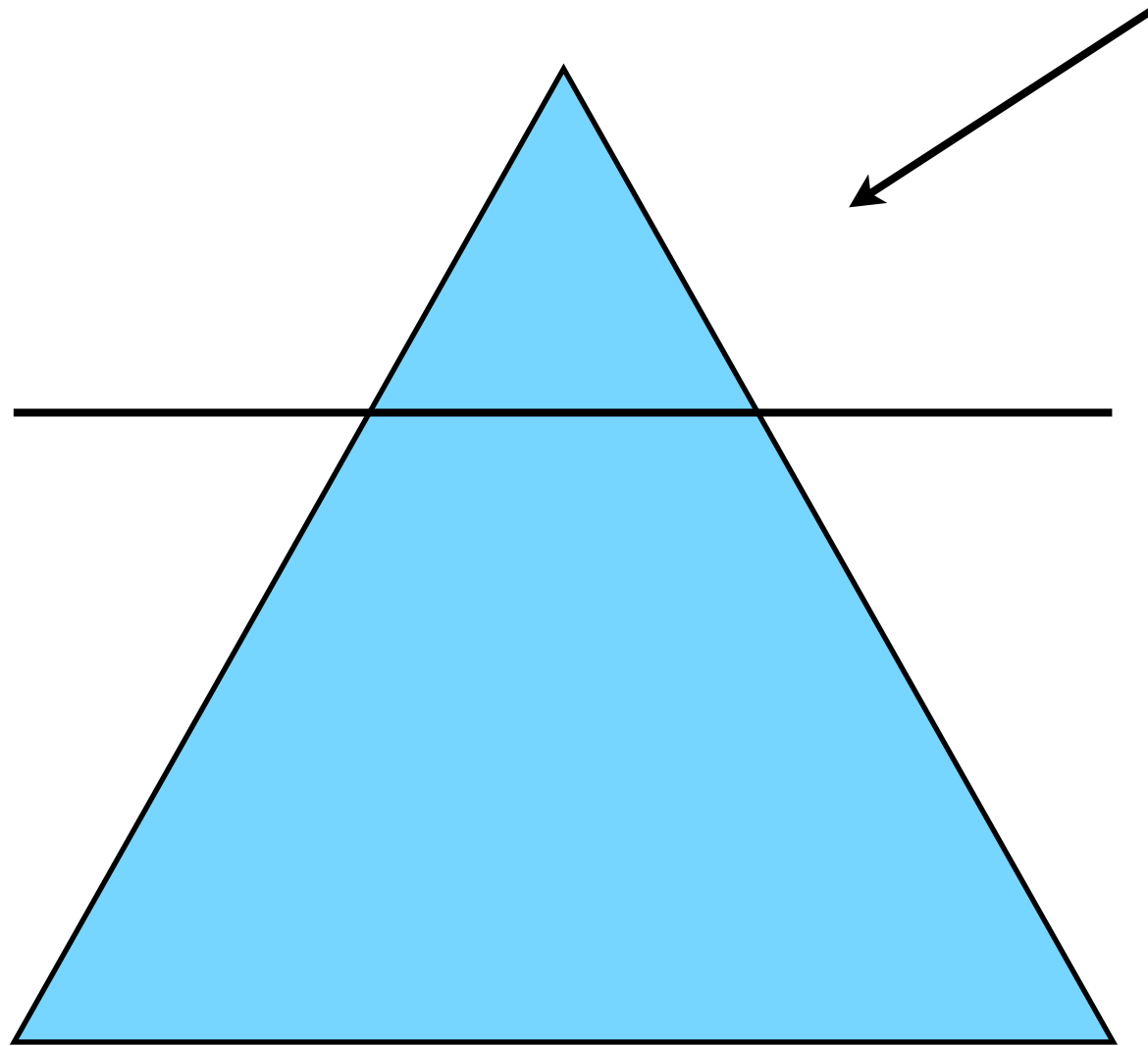


Natural Farming

simple tips for unlocking Hamakua's natural fertility

Tip of the iceberg





Conceptualize energy fields

2nd Law of Babcock

Always check long held assumptions



Get a microscope and use it



Are there weeds in the forest?



Who pulls all the weeds?



Nobody!

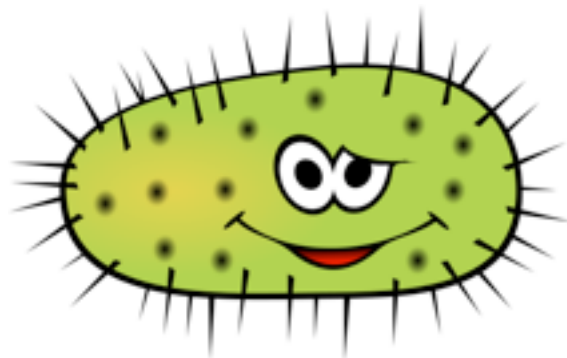
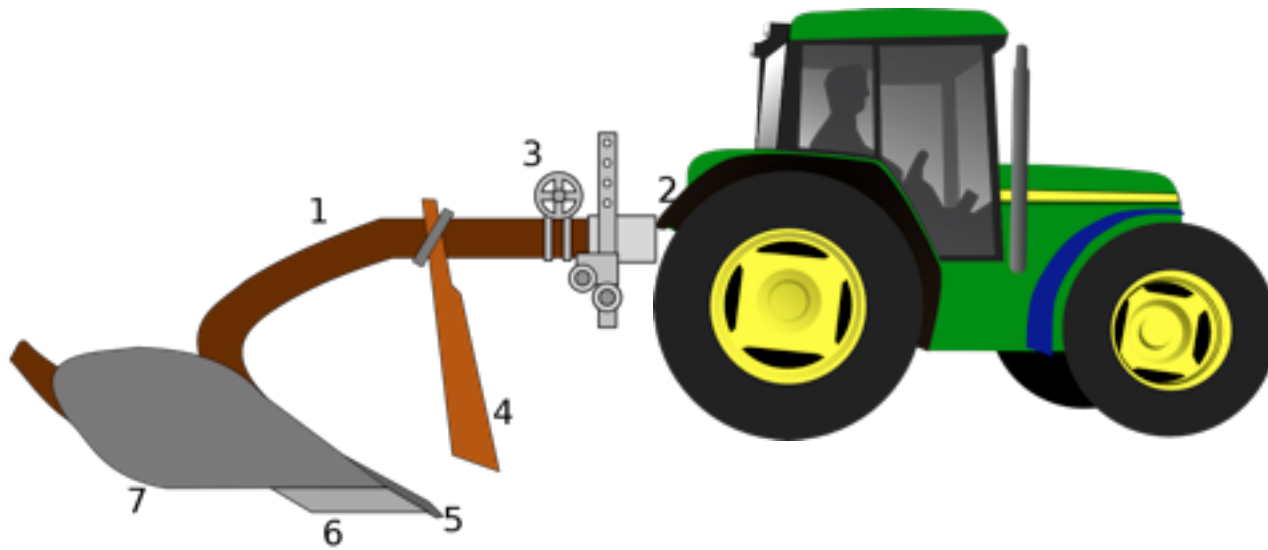
What are weeds?

A plant out of place

What are weeds?

~~A plant out of place~~

Plants resulting from an out of balance biological system



What causes weeds?

Can we mimic the
“weedfreeness” of the forest in
our fields?



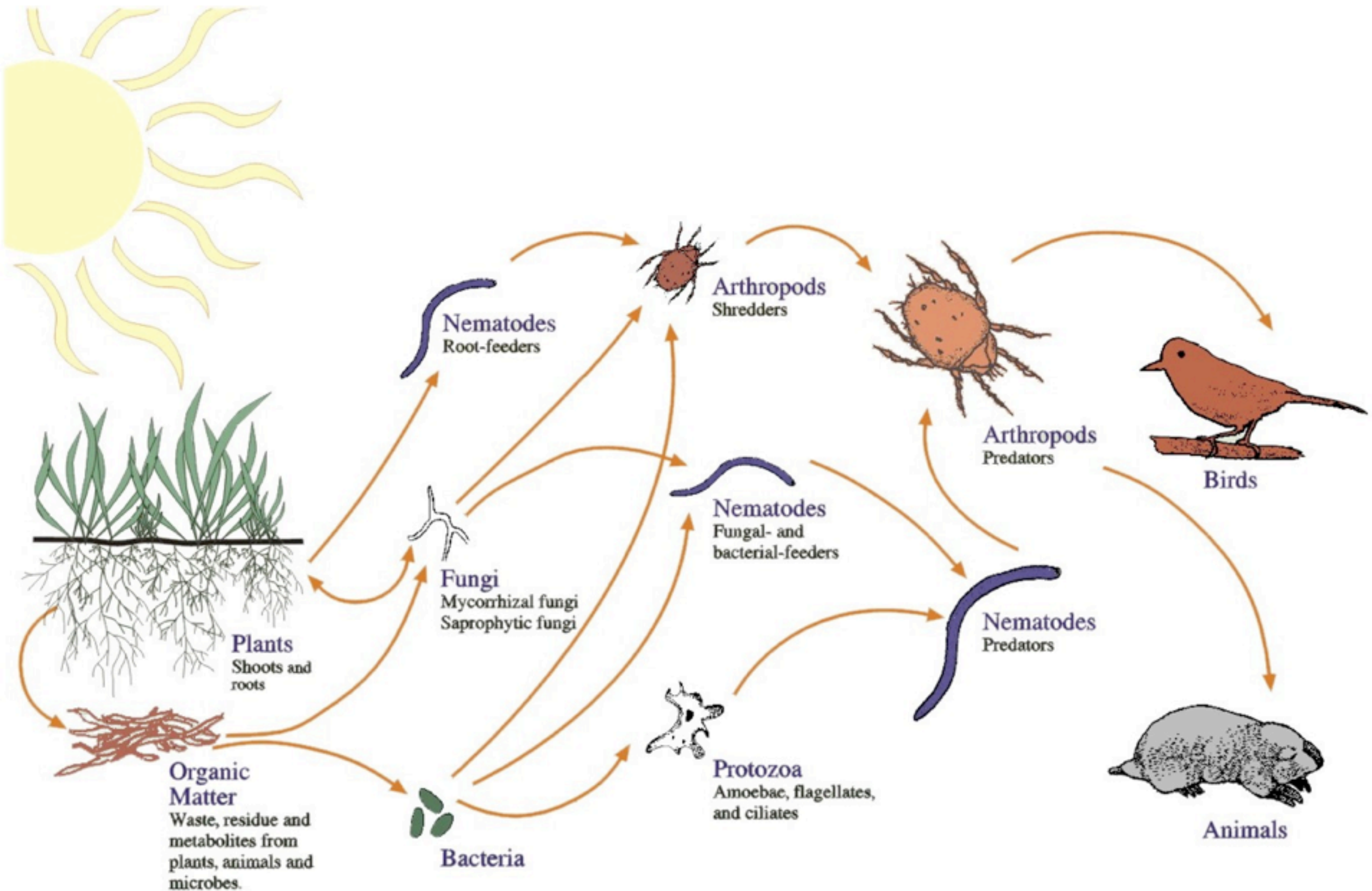


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The “secret” is fungus to
bacteria ratios

Fungus initiate soil food web





So how do we get good
fungus in our fields?



**Collect beneficial microbes
from forest**



Culture on
simple starch





Isolate with
brown sugar



Bulk with complex carbs

- Mill run, rice hulls....
- Helps grow fungus
- Emulates plant exudates
- Think cookies
- Keep below 120



**Bulk with dirt
minerals**

**Gives microbes
“college education”**



Bulk with plant matter and animal wastes

- Introduces “higher” life forms
- Bring in the rest of the Soil Food Web



Spread on your field

- Late afternoon
- Good celestial alignment
- Multiple methods



**Feed fermented plant juice &
oxygenated water for 4 wks**



Water aeration

Ground water	0%
Stream	3-5%
Rain	8%
Aerator	16%



**Establish fungus with mulch;
Learn about permaculture**

Tips for growing Fungus

- Feed humic acid
- Feed complex carbs
- Avoid products with Tricocera or fungus killers
- Bury wood
- Ensure ample detritus

Tips for aerating soil

- Use lactic acid bacteria (found in EM)
- Minimize compaction
- Minimize disturbance
- Inject compost into highly compacted soil

Find out more

naturalFarmingHawaii.net