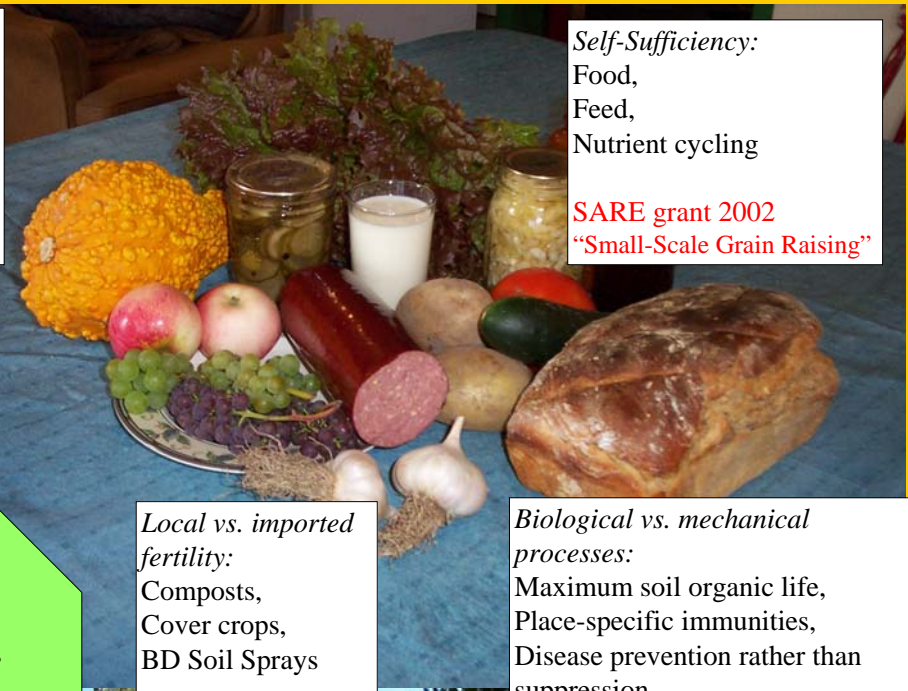


# The Small-Scale, Integrated, Self-Sufficient and Sustainable Farm Organism:



*Solar vs. fossil energy:*  
Photosynthesis,  
Photo-voltaic irrigation,  
Hydronic heating

**EQIP grant 2005**  
"Solar Irrigation"

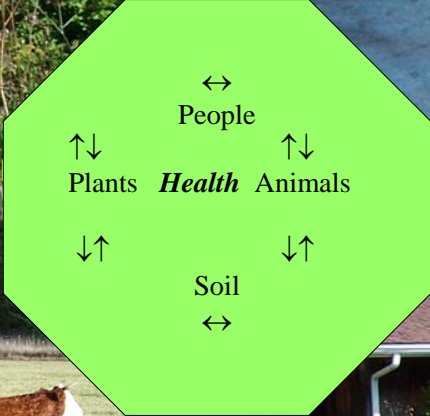


*Self-Sufficiency:*  
Food,  
Feed,  
Nutrient cycling

**SARE grant 2002**  
"Small-Scale Grain Raising"

*Local Community:*  
Educational Programs,  
Farm-to-School,  
Community Supported  
Agriculture

**SARE grant 2003-4**  
"Farm-to-School"



*Local vs. imported  
fertility:*  
Composts,  
Cover crops,  
BD Soil Sprays

**SARE grant 2004-7**

*Biological vs. mechanical  
processes:*  
Maximum soil organic life,  
Place-specific immunities,  
Disease prevention rather than  
suppression,  
Run-off pollution control through  
biological cycling

**SARE grant 2004-7**  
"Bio-Dynamic Forage Production"



*Pastoral vs. Industrial:*  
Grass-based,  
Plant-animal succession,  
Farm-produced inputs

**SARE grant 2004-7**

*Perennial vs. annual  
species:*  
Native plants/wildlife,  
Naturalized forages,  
Farm-produced  
replacements

**SARE grant 2004-7**



*Polyculture vs. mono-culture:*  
Biodiversity,  
Symbiosis of plants and animals,  
Self-organization/self-correction/  
Self-sufficiency

**SARE grant 2002**