Rebuilding Soil Carbon – Rob Richmond

The Benefits to Agriculture and the Environment of Rebuilding Soil Carbon
Biological Farming
• Importance of symbiosis between plants and microbes
  • Building soil organic matter
  • Releasing nutrients
  • Managing water
• Nitrogen
Managing Photosynthesis

• Capturing sunshine to convert carbon dioxide and water to sugar
  • Increasing leaf area of the plant
    • More sugar produced
      • More growth
        • More to soil
Diagram showing the ideal grazing cycle of grass

Photosynthesis exceeds the demand for sugar
- Sequestration of "liquid carbon" into soil
- Development of large root system
Creative Grazing

• Capturing the sun to
  • Create soil
  • Create ecosystems
  • Create production