2017 BCMC Final Project Outline

Project Title: Considerations for Creating A Garden In Abiquiu New Mexico
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I am choosing to show (in story format) the many considerations in starting a garden in Abiquiu New Mexico. I will show (in Power Point slide format) the benefits of Hot Composting, specifically the New Zealand Box design and its advantages for composting in the High Desert of New Mexico. I will also show how to construct a four-bin box system and how it should be modified for the high desert region of the U.S.

Outline:

1. Starting a Garden in Abiquiu New Mexico:
   A. Why have a garden?
   B. Where will this garden grow?
   C. What does a garden need?
      a) Sunshine
      b) Water
      c) Soil
         - Good Soil; Loam
         - Bad Soil; Clay
         - Ugly Soil; Sand
      d) USDA Soil Classifications
      e) Soil Structure; Drainage, Compaction
      f) Layers of soil
      g) Abiquiu NM soil, what is missing?

2. Soil Restoration:
   A. How did the soil in Abiquiu NM get to this condition?
      a) De-Forestation
      b) Over Grazing
      c) Drought
   B. What other areas face the same soil issues?
      a) Nile Delta
      b) New Zealand
      c) South America
   C. What is needed to make soil fertile?
      a) Ultimately, It’s all about the microbes...

3. Best Methods of Soil Restoration for Abiquiu New Mexico:
   A. Composting Methods
      a) Cold Composting
      b) Hot Composting
   B. Composting Bin Types
   C. Why is composting in the high desert different?
      a) Challenges
      b) Why is composting in the high desert different?
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c) Solutions
D. The New Zealand Box Design
   a) Design Features
   b) How to build a NZ Box System