

## 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