

Innovative Composting Technology for Pre and Post Consumer Food Waste within the

RC&D Area

RC&D Area Blue Ridge

Lead State: North Carolina

Summary

Project Number:

Project Status: Active

Approval Date: 2/5/2009

Est. Completion Date: 12/30/2011

Est. Project Costs: \$210,000

Statewide Project: No

Description

Appalachian State University (ASU) wishes to demonstrate a forced aerated composting technology that converts pre and post consumer food waste into value-added soil amendments while keeping compostable organics from the waste stream. ASU realizes North Carolina's 900,000 tons of food residuals are decomposing anaerobically in polluting and methane producing landfills. The university wants to educate it's 16,000 students and others to the fact that landfill produced methane is a leading contributor to global warming and show other environmental hazards that come with improper management of organic produced leachates.

Project Purpose

Area Plan

| Goal | Objective | Strategy |
|------|-----------|----------|
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Authorized Element: Community Development

1. Build institutional knowledge of alternative energy sources in at least three counties by 2013.

1. Assist two counties in applying for a study grant to determine the feasibility of installing Bio Diesel facilities at their landfill sites by 2011

1. Work with County administrators in Yancey & Mitchell Counties to apply for grants for studying the feasibility of a Bio Diesel facility by 2009.

NRCS National Strategic Plan

NRCS Strategies

1. Cooperative Conservation

NRCS Goals

1. Soil Quality

2. Water Quality

3. Energy Conservation

4. Renewable Energy and Biofuels