

**Air Quality Enhancement Activity – AIR03 – Replace burning of prunings, removals and other crop residues with non-burning alternatives (chipping, grinding, shredding, mowing or composting)**



**Enhancement Description**

The use of non-burning alternatives to dispose of prunings, removals and other crop residues from orchards, vineyards and other woody perennial crops. Non-burning alternatives include chipping, grinding, shredding, mowing or composting of these materials.

**Land Use Applicability**

Cropland (orchards, vineyards, other woody perennial cropping systems that produce significant residues that have used burning in prior years)

**Benefits**

Burning prunings, removals and residues produces smoke, as well as other air emissions, including volatile organic compounds (VOCs) and oxides of nitrogen (NO<sub>x</sub>) that are precursors needed for ozone formation, and various forms of particulate matter. By replacing burning with alternatives (chipping, grinding, shredding, mowing or composting), harmful air emissions will be greatly reduced, and the resulting material usually can be used as mulch elsewhere on the farm, or sold as mulch to outside customers.

**Criteria**

1. A system of burning prunings, removals or residues is currently being utilized on the farm
2. Burning of such material shall be replaced by one of the non-burning alternatives (chipping, grinding, shredding, mowing or composting)
3. Wood chips and other mulch material resulting from chipping, grinding or shredding shall be used for dust control on unpaved roadways or other farm surfaces, for bioenergy purposes, for composting, or left in orchards for natural decomposition

**Documentation Requirements**

1. A map showing farm areas where these activities were conducted and applied
2. Dates, locations and type of non-burning alternatives used

**ALABAMA SUPPLEMENT TO ENHANCEMENT AIR03 REPLACE BURNING OF PRUNINGS AND OTHER CROP RESIDUES WITH NON-BURNING ALTERNATIVES**

This enhancement is designed to improve air quality by replacing the burning of pruning, removals and other crop residues in orchards, vineyard and other woody perennial cropping systems with non-burning alternatives. For this enhancement a system of burning of prunings or other woody residue is currently being utilized on the farm and the producer is willing to replace the burning with non-burning alternatives (chipping, grinding, shredding, mowing or composting).

Documentation Requirements:

1. A map showing farm area where these activities were conducted and applied.
2. Dates, locations and type of non-burning alternatives used.

**Documentation Form**

<b>Producer Name:</b>		<b>Date:</b>		
<b>Tract Number(s):</b>		<b>County:</b>		
<b>Location(s):</b>				
<b>Date(s):</b>				
<b>Type of Non-Burning Alternatives Used:</b>				

This submitted information accurately reflects the implementation of this enhancement.

**SIGNATURE:** \_\_\_\_\_