



# Orchard and Vineyard Air Quality Management

## Conservation Practice 752 – Specification Sheet

May 2010

Client: \_\_\_\_\_

### Definition:

Managing air emissions from agricultural production activities at orchards and vineyards.

### Purposes:

The purpose of this practice is to address the following NRCS air quality resource concerns at orchards and vineyards:

- Particulate matter
- Ozone precursors
- Greenhouse gases

### Where Used:

This practice applies at orchards and vineyards that include any one or a combination of the following types of activities:

- Fuel-combustion sources
- Handling of prunings, trimmings, and removed vegetation
- Management of floor surfaces and vehicle travel areas
- Pesticide usage

### Resource Management System:

Managing air quality on orchards and vineyards can involve a suite of practices contained in this standard depending on the sources of air pollution on the orchard or vineyard. Sources of direct particulate matter, oxides of nitrogen and volatile organic compounds (precursors to ozone and fine particulate matter formation), and/or carbon dioxide (a greenhouse gas) are :

- Liquid or solid fuel-fired combustion sources (such as diesel-fired smudge pots) used for frost protection

- Stationary Engines
- Other liquid or solid fuel-fired combustion sources
- Burning of vegetative biomass from the pruning, trimming, or removal of orchards and vineyards
- Disturbances on floor surfaces and vehicle travel areas
- Pesticide application: drift, volatilization, over-application

This practice can be established concurrently with other conservation practices as part of a resource management system. These practices may include:

- Conservation Cover (code 327)
- Dust Control on Unpaved Roads and Surfaces (interim – code 729)
- Heavy Use Area Protection (code 561)
- Irrigation System (codes 441, 442, 443, and 447)
- Mulching (code 484)
- Pest Management (code 595)
- Precision Pest Control Application (interim – code 718)
- Windbreak/Shelterbelt Establishment (code 380)
- Irrigation System, Microirrigation (code 441)
- Irrigation System, Sprinkler (code 442)
- Combustion Systems Air Emissions Management (code 723)

### Practice Specifications:

Practice Specifications are provided to assure that air quality management on orchards and vineyards meets the resource needs and producers' objectives. These requirements are recorded on 752 OR – Orchards and Vineyards Air Quality Management Specification Sheet.

**Natural Resources Conservation Service, Oregon May 2010**  
**Orchards and Vineyard Air Quality Management –**  
**Grinding and Chipping Specification Sheet**

Client		Farm/Tract	
Location		County/SWCD	
Prepared By		Date	

**Design Approval:**

Practice Code No.	Practice	Lead Discipline	Controlling Factor	Units	Job Class				
					I	II	III	IV	V
752	Orchards and Vineyards	CED-EE	Area	Acres	All	All	All	All	ALL
<b>This practice is classified as Job Class (check one):</b>									

This practice is classified as Job Class: \_\_\_\_\_

Design Approved By: /s/ \_\_\_\_\_ Date: \_\_\_\_\_

Job Title: \_\_\_\_\_

**Client's Acknowledgement Statement:**

The Client acknowledges that:

- a. They have received a copy of the specification and understand the contents and requirements.
- b. The following must be provided to NRCS by the client before this practice can be certified as applied:

Acres of orchard to be removed and/or acres of orchard that were pruned/trimmed

Size(s) of grinder/chipper engine

Hours of operation of grinder/chipper

Fuel source for equipment

- c. It shall be the responsibility of the client to obtain all necessary permits and/or rights, and to comply with all ordinances and laws pertaining to the application of this practice.

Accepted By: /s/ \_\_\_\_\_ Date: \_\_\_\_\_

**Certification:**

I have completed a review of the information provided by the client and certify this practice has been applied.

Certification By: /s/ \_\_\_\_\_ Date: \_\_\_\_\_

Job Title: \_\_\_\_\_

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