United States Department of Agriculture
Natural Resources Conservation Service

2013 Ranking Period 1

Cropland Enhancement Bundle – BCR09 (Addresses orchard and vineyard resource concerns)

Enhancement Description
This bundle of enhancement activities includes: AIR03-Replace burning of pruning, removals and other crop residues with non-burning alternatives; AIR04-Use of drift reducing nozzles, low pressures, lower boom height, and adjuvants to reduce pesticide drift; PLT15-Establish pollinator and/or beneficial insect habitat; SQL11-Cover cropping in orchards, vineyards and other woody perennial horticultural crops; and WQL13-High level IPM to reduce pesticide environmental risk.

Land Use Applicability
Cropland

Benefits
This bundle of enhancements is focused on activities that address air, water and soil resource concern in orchards and vineyards. Implementing these activities together creates a synergy that should result in more conservation benefits than might be expected from the individual activities. Applicants that choose to implement this bundle of activities will receive an increase in ranking and activity points.

Conditions Where Enhancement Applies
This enhancement applies only to acres of orchards and vineyards in the crop land use.

Criteria
Bundle rules

1. All of the activities in the bundle must be implemented. However, if an applicant is already implementing 1 or 2 of the activities, they are still eligible for the bundle and only need to implement the remaining 3 or 4 activities.
2. Applicants will be required to install all enhancements in the bundle wherever they are needed on the applied area.
3. Other enhancements cannot be substituted for those in the bundles.
4. Applicants choose the acres of their operation where they want to implement the bundle. If the applicant chooses to implement the activity on only a portion of their operation, their ranking and performance points will be reduced proportionally.
5. The amount of the bundle that can be scheduled cannot exceed the most limiting individual “system” enhancement scheduled.

For this bundle implement AIR03, AIR04, PLT15, SQL11 and WQL13 according to their respective criteria on all of the area selected for bundle application.

If the orchard or vineyard can benefit from any of the criteria listed in SQL11 a state can require that it be implemented, otherwise if existing cover is adequate to meet the resource needs, SQL11 does not have to be implemented.

Adoption Requirements
This enhancement is considered adopted when rules # 1 and 2 from "Rules for Enhancement Activity Bundles" above have been fulfilled.

Documentation Requirements
Follow the documentation requirements in the respective enhancement activity sheets to document the implementation of each enhancement.

In addition, document the actual amount, fields and when each enhancement in the bundle is applied:

Enhancement Activity	Amount (unit)	Field(s) Number or Name	Year Applied
AIR03			
AIR04			
PLT15			
SQL11			
WQL13			