United States Department of Agriculture
Natural Resources Conservation Service 2013 Ranking Period 1

Cropland Enhancement Bundle – BCR06 (Improves nutrient and pesticide application techniques and widens buffers)

Enhancement Description
This bundle of enhancement activities includes: AIR04-Use drift reducing nozzles, low pressures, lower boom height, and adjuvants to reduce pesticide drift; AIR07-GPS, targeted spray application (SmartSprayer), or other chemical application electronic control technology; WQL11-Precision application technology to apply nutrients; WQL13-High level IPM to reduce pesticide environmental risk; and one of the buffer widening enhancements ANM05, ANM07 or ANM32.

Land Use Applicability
Cropland

Benefits
This bundle of enhancements is focused on applying nutrients and pesticides using technologies that will limit their impact on the environment. The inclusion of one of the buffer widening enhancements will provide further protection of off-site areas from the impact of agricultural operations. By implementing these activities together a synergy is achieved 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 to all crop land use acres.

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.

Follow the criteria in the respective enhancement activity sheets to implement each enhancement in the bundle.

For this bundle, implement AIR04, AIR07, WQL11 and WQL13 according to their respective criteria on all of the area selected for bundle application. Implement the buffer widening enhancements ANM05, ANM07 or ANM32 where needed according to the criteria for the respective enhancements. If a buffer is needed to address a resource concern but does not exist, the requirements of this bundle can be met by installing a new buffer to the minimum width required by these enhancements.

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 the bundle.

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
AIR04			
AIR07			
WQL11			
WQL13			
ANM05, 07 or 32			