2015 Activity List and Effect Scores

NRCS Code	Eligible Land Use				Enhancement Name	Soil Erosion Concerns				Soil Quality Functions					Water Quantity Concerns			Water Quality Concerns					Air Quality Concerns				Plants		Animal Concerns				Energy
						sheet, rill, wind, irrigation	ephemeral, gully	streambank, shoreline	road banks, construction sites	OM depletion (habitat, compaction, water partitioning)	OM oxidation	salinity, other contaminants	nutrient cycling	compaction	excess water	insufficient water	inefficient use of irrigation water	sediment	nutrients	pesticides	pathogens	salinity	airborne soil particulates (PM)	greenhouse and ozone gases	chemical spray drift*	odors	quantity, diversity, health, vigor	declining populations-T&E species	Domestic Livestock-cover, food, and water	Terrestrial Wildlife-cover, food, connectivity, and water	Aquatic Wildlife-structure, food, water temperature	Declining populations-T&E species	energy conservation
AIR03	Crop				Replace burning of prunings, removals and other crop residues with non-burning alternatives	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	-1
AIR04	Crop	Pasture			Use drift reducing nozzles, low pressures, lower boom height, and adjuvants to reduce pesticide drift	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	1	5	0	3	3	0	3	3	3	2
AIR07	Crop	Pasture	Range	Forest	GPS, targeted spray application (SmartSprayer), or other chemical application electronic control technology	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	1	5	0	3	2	0	2	2	2	3
AIR09	Crop	Pasture			Nitrogen inhibitors or urease inhibitors	0	0	0	0	0	0	0	3	0	0	0	0	0	2	0	0	0	0	4	0	0	1	0	0	0	0	0	0
AIR10	Crop				Discontinue burning crop residue	4	4	0	0	4	5	0	0	0	0	0	0	4	4	4	0	0	3	0	0	0	0	0	0	3	2	0	0
ANM03		Pasture			Incorporate native grasses and/or legumes into 15% or more of herbage dry matter productivity	0	0	0	0	3	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	3	0	1	2
ANM09		Pasture	Range	Forest	Grazing management to improve wildlife habitat	0	0	0	0	3	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	5	2	2	0
ANM11		Pasture	Range	Forest	Patch-burning to enhance wildlife habitat	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	-1	0	0	4	2	3	5	0	4	0
ANM12	Crop	Pasture	Range	Forest	Shallow water habitat	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	0	0	5	5	3	0
ANM21	Crop	Pasture	Range		Prairie restoration for grazing and wildlife habitat	2	2	2	0	2	2	0	0	3	0	0	0	2	2	2	0	0	2	0	1	0	3	2	1	3	1	2	3
ANM25		Pasture			Stockpiling forages to extend the grazing season	2	0	0	0	1	0	0	2	1	0	0	0	1	1	0	1	0	0	0	0	0	3	0	4	0	0	0	5
ANM27	Crop	Pasture	Range	Forest	Wildlife friendly fencing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	5	0
ANM29		Pasture	Range	Forest	On-farm forage based grazing system	0	0	0	0	2	0	0	4	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1	1	0	5
ANM31	Crop				Drainage water management	3	0	0	0	4	5	-1	2	0	0	0	0	1	3	2	1	0	2	0	0	0	0	0	0	5	5	3	0
ANM32	Crop	Pasture	Range		Extend existing filter strips or riparian herbaceous cover for water quality protection and wildlife habitat	3	0	3	0	1	0	0	1	0	0	0	0	5	4	4	3	0	1	0	0	0	3	1	1	4	4	3	0
ANM33	Crop	Pasture	Range	Forest	Riparian buffer, terrestrial and aquatic wildlife habitat	0	0	3	0	2	0	0	1	3	0	0	0	1	1	1	1	0	0	0	0	0	3	0	0.5	4	4.5	3	0
ANM34	Crop				Leave standing grain crops un-harvested to benefit wildlife	1	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	4	3	0	5	3	4	0
ANM35	Crop				Enhance wildlife habitat on expired grass/legume covered CRP acres or acres with similar perennial vegetated cover managed as hayland	4	3	3	0	9.35	0	0	5.2	4.1	0	0	0	3	3	1	0	0	2	3	0	0	12.4	2	0	17.75	5.25	7.25	2.1
ANM36				Forest	Enhance wildlife habitat on expired tree covered CRP acres or acres with similar woody cover managed as forestland	5.25	3.15	3.15	0	6.3	-1.05	0	6.3	3.15	0	0	0	4.2	3.15	1.05	0	0	4.2	3.15	0	0	16.8	4.2	5.25	14.7	2.1	10.5	0
ANM37	Crop	Pasture	Range	Forest	Prescriptive grazing management system for grazing lands (includes expired CRP grass/legume or tree covered acres converted to a grazing lands)	2.1	1.05	3.15	0	6.3	0	0	7.35	4.2	0	1.05	0	2.1	2.1	0	2.1	0	0	0	0	0	8.4	1.05	8.4	17.85	5.25	13.65	2.1
ANM38	Crop	Pasture	Range	Forest	Retrofit watering facility for wildlife escape and enhanced access for bats and bird species	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	0	4	0
ANM39	Crop	Pasture	Range		Extending riparian forest buffers for water quality protection and wildlife habitat	2	0	3	0	1	0	0	1	0	0	0	0	5	5	5	3	0	3	3	1	0	3	1	1	4	4	3	0
ANM40	Crop	Pasture			Extending existing field borders for water quality protection and wildlife habitat	2	0	0	0	1	0	0	1	0	0	0	0	3	2	2	1	0	1	0	0	0	3	0	1	4	4	3	0
ANM41	Crop	Pasture	Range		Multi-species native perennials for biomass/wildlife habitat	3	3	0	0	2	0	0	1	1	0	0	0	3	3	3	0	0	1	0	1	0	3	0	0	2	2	1	4
ANM42				Forest	Forest stand improvement for wildlife habitat and soil quality	2	2	2	2	5	5	1	5	3	1	3	0	3	2	1	1	1	1	5	0	0	5	4	1	5	2	4	2
ANM43	Crop				Removal of woody vegetation from rice field levees to improve habitat for nesting king rail	0	0	0	0	1	0	0	0	0	2	0	0	2	1	0	2	0	0	0	0	0	2	0	1	2	4	5	0
ANM44	Crop				Close structures to capture and retain rainfall for waterfowl and wading birds during winter	0	0	0	0	1	0	0	0	0	2	0	0	2	1	0	2	0	0	0	0	0	2	0	1	2	5	5	0
ANM45	Crop				Manipulate vegetation on fields where rainfall is to be captured and retained	0	0	0	0	1	0	0	0	0	2	0	0	2	1	0	2	0	0	0	0	0	3	0	1	2	4	5	0
ANM46	Crop				Extend retention of captured rainfall to provide late winter habitat for migratory waterfowl and shorebirds	0	0	0	0	1	0	0	0	0	2	0	0	2	1	0	2	0	0	0	0	0	2	0	1	2	4	4	0
ANM47	Crop				Shorebird habitat, late season shallow water with manipulation	0	0	0	0	1	0	0	0	0	2	0	0	2	1	0	2	0	0	0	0	0	2	0	1	2	5	5	0
ANM48	Crop				Shorebird habitat, extended late season shallow water with manipulation	0	0	0	0	1	0	0	0	0	2	0	0	2	1	0	2	0	0	0	0	0	2	0	1	2	5	5	0
ANM49	Crop				Early successional habitat between first rice crop and ratoon crop	0	0	0	0	1	0	0	0	0	2	0	0	2	1	0	2	0	0	0	0	0	2	0	1	2	5	5	0
ANM50	Crop	Pasture		Forest	Control of undesirable woody vegetation in moist soil wetlands to improve habitat for waterfowl, shorebirds, wading birds and other wildlife	0	0	0	0	1	0	0	1	0	2	0	0	0	1	0	2	0	0	0	0	0	3	0	0	2	4	5	0
ANM51	Crop	Pasture	Range		Establish and maintain early successional, naturally occurring vegetation in ditches and ditch bank borders for wildlife habitat and water quality protection	3	3	2	0	1	0	0	0	0	-2	0	0	3	2	2	1	0	2	0	0	0	4	0	0	5	3	3	0
ANM52			Range	Forest	Implement fallow disking to improve wildlife habitat	0	0	0	0	0	0	0	0	1	0	0	0	-1	0	0	0	0	0	0	0	0	4	0	1	4	0	5	0
ANM53			Range	Forest	Hinge cutting for wildlife	1	1	0	0	1	0	0	0	0	0	1	0	2	0	0	0	0	0	0	0	0	4	0	0	4	0	1	0
ANM54		Pasture	Range		Prescribed burning for upland birds and other wildlife	0	0	0	0	2	0	0	2	0	0	0	0	0	1	2	2	0	0	-1	0	0	4	2	2	4	0	2	1
ANM55				Forest	Creation and retention of snags, den trees and course woody debris for wildlife habitat	3	1	3	0	3	0	0	3	1	0	2	0	2	2	0	1	0	0	0	0	0	2	1	1	5	2	2	1
ANM56				Forest	Increase summer roost habitat for forest dwelling bat species	1	1	1	1	4	4	1	5	3	1	3	0	3	2	1	1	1	1	4	0	0	5	2	1	5	3	5	2
ANM57	Crop	Pasture	Range	Forest	Removal of all threats to sensitive wildlife species on the operation	0	1	1	0	2	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	1	4	1	5	4	2	5	0
ANM58	Crop	Pasture	Range	Forest	Reduction of attractants to human-subsidized predators in sensitive wildlife species habitat	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0
ANM59		Pasture	Range		Grazing management to improve Sage grouse habitat	0	0	0	0	3	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	5	2	2	0
ANM60	Crop	Pasture	Range	Forest	Grouse friendly fencing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	5	0
ANM61	Crop	Pasture	Range	Forest	Hosting a grazing related field day	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	1	1	0.2	0.2	0.2	0.2	1
ANM62		Pasture	Range		Deferred Grazing to improve Lesser Prairie-chicken (LPC) habitat	0	0	0	0	3	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	5	2	2	0
ANM63	Crop				Harvest crops in a manner that allows wildlife to flush and escape	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	5	1	1	2
ANM64		Pasture	Range		Managing livestock parturition to coincide with forage availability	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	5
ANM65		Pasture	Range		Monitoring nutritional status of ruminant livestock using the NUTBAL system	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	5	0	0	0	3
ENR01	Crop				Fuel use reduction for field operations	2	2	0	0	2	0	0	0	2	0	0	0	2	0	0	0	0	2	2	0	0	0	0	0	0	0	0	5
ENR10	Crop	Pasture			Using nitrogen provided by legumes, animal manure and compost to supply 90 100% of the nitrogen needs	2	2	0	0	5	0	0	5	2	0	2	0	2	4	1	0	0	2	3	0	0	2	0	0	2	1	1	5
ENR11	Crop	Pasture			Improving energy feedstock production using alley cropping systems with short rotation woody crops	2	1	0	0	2	0	0	2	3	0	0	0	1	0	3	0	0	1	1	1	0	2	0	0	2	0	1	5
ENR12	Crop				Use of legume cover crops as a nitrogen source	4	2	0	0	5	0	2	3	2	0	0	0	4	4	2	0	1	4	2	0	0	2	0	0	2	1	0	2
ENR13	Crop	Pasture			Variable speed motors-drive systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	5
PLT02		Pasture	Range	Forest	Monitor key grazing areas to improve grazing management	2	2	2	0	1	0	0	2	2	0	0	0	1	1	0	1	0	1	0	0	0	4	1	4	3	2	2	0
PLT06	Crop	Pasture	Range		Renovation of a windbreak, shelter belt or hedgerow for wildlife habitat	3	0	0	0	1	0	0	0	0	0	2	1	2	0	2	0	0	3	1	2	1	4	0	1	5	0	2	1
PLT15	Crop	Pasture	Range	Forest	Establish pollinator and/or beneficial insect habitat	1	1	0	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	1	0	4	2	0	5	2	4	0
PLT16		Pasture	Range	Forest	Intensive rotational grazing	2	1	3	0	3	0	0	5	3	0	1	0	2	2	0	2	0	0	0	0	0	5	1	5	3	3	2	2
PLT17				Forest	Create forest openings to improve hardwood stands	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	3	0	0	1	0	-1	-1
PLT18	Crop	Pasture		Forest	Increasing on-farm food production with edible woody buffer landscapes	3	0	0	0	1	0	0	0	0	0	2	1	2	0	2	0	0	3	1	2	1	4	0	1	5	0	2	3
PLT19	Crop				Herbicide resistant weed management	4	2	1	0	2	0	-1	0	1	0	0	0	3	0	2	0	2	1	1	1	0	4	0	0	0	2	0	0
PLT20	Crop				High residue cover crop or mixtures of high residue cover crops for weed suppression and soil health	8	4	0	0	10	0	4	6	4	0	0	0	8	8	4	0	2	8	4	0	0	4	0	0	4	2	0	4
PLT21				Forest	Forest stand improvement pre-treating vegetation and fuels preceding a prescribed fire	1.05	0	0	0	1.05	-1.05	0	3.15	-1.05	0	0	0	1.05	0	0	0	0	2.1	3.15	0	0	14.7	2.1	5.25	8.4	0	7.35	0
PLT22	Crop			Forest	Multi-story cropping, sustainable management of nontimber forest plants	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	3	2	0	0
PLT23				Forest	Conifer crop tree release	0	0	0	0	1	1	1	3	1	0	3	0	2	2	1	1	1	1	2	0	0	5	2	3	3	1	2	2
PLT24				Forest	Crop tree release in young hardwood stands	0	0	0	0	1	1	1	4	1	0	3	0	3	2	1	1	1	1	2	0	0	5	2	3	3	1	2	2

2015 Activity List and Effect Scores

PLT25				Forest	Prune low density pine or hardwood trees to improve tree quality and wildlife habitat	0	0	0	0	1	0	0	1	0	0	1	0	1	1	0	0	0	0	0	0	0	1	0	1	2	0	1	0
PLT26				Forest	Forest stand improvement to treat understory vegetation to minimize the risk of damaging wildfires, and/or manipulate the density and composition of tree species to improve wildlife habitat and forest health	3	1	1	1	2	0	0	2	2	0	3	0	2	2	-1	0	0	0	1	-1	0	4	2	1	5	2	4	1
PLT27				Forest	Create small openings in pine stands to improve wildlife habitat or to prepare the area for natural regeneration	2	0	0	0	2	0	0	2	0	0	1	0	2	2	1	0	0	0	0	0	0	4	2	1	5	0	3	0
PLT28				Forest	Prescribed burning to promote and enhance conifer forests and maintain a healthy understory	1	0	1	0	2	0	0	2	0	0	2	0	1	1	1	0	0	0	0	0	0	4	2	1	5	2	4	1
PLT29				Forest	Rehabilitating damaged or cut over stands.	2	1	1	1	3	0	0	2	2	0	2	0	2	2	-1	0	0	0	1	-1	0	4	2	1	5	2	3	1
PLT30		Pasture			Monitor pasture health using pasture condition scores (PCS)	3.75	2	4.75	0	3	0	0.5	4.5	3	0	1.25	0.5	3.25	4.25	0.5	1.75	0.5	1	2	0	1	5.5	2.5	8.75	7.75	3.5	2.5	1
PLT31				Forest	Forest stand improvement, prescribed burning – short return interval	1	1	1	1	5	5	1	5	3	1	3	0	3	3	1	2	1	3	3	0	1	5	5	3	5	1	5	2
SOE05	Crop				Intensive No Till (Organic or Non-organic)	5	3	0	0	4	3	2	3	3	0	5	3	5	3	2	1	0	3	3	2	1	2	0	0	3	2	0	4
SQL01	Crop				Controlled traffic system	2	0	0	0	0	0	2	0	5	0	3	0	3	1	1	0	0	0	1	0	0	3	0	0	0	0	0	3
SQL04	Crop	Pasture			Use of cover crop mixes	4	2	0	0	5	0	2	3	2	0	0	0	4	4	2	0	1	4	2	0	0	2	0	0	2	1	0	2
SQL05	Crop				Use deep rooted crops to breakup soil compaction	4	2	0	0	5	0	2	3	2	0	0	0	4	4	2	0	1	4	2	0	0	2	0	0	2	1	0	2
SQL08	Crop				Intercropping to improve soil quality and increase biodiversity	2	1	0	0	2	0	0	2	2	0	1	0	2	2	0	0	0	0	0	0	0	5	0	0	2	2	1	0
SQL09	Crop				Conversion of cropped land to grass-based agriculture	5	4	0	0	4	3	3	2	3	0	2	0	5	3	3	0	0	3	4	0	0	4	0	0	3	2	1	5
SQL10	Crop				Crop management system where crop land acres were recently converted from CRP grass/legume cover or similar perennial vegetation	13.65	7.35	0	0	14.7	3.15	6.3	9.45	7.35	0	5.25	3.15	13.65	11.55	6.3	1.05	2.1	11.55	7.35	2.1	1.05	6.3	0	0	7.35	4.2	0	8.4
SQL11	Crop				Cover cropping in orchards, vineyards and other woody perennial horticultural crops	5	4	0	0	5	2	2	4	3	0	0	0	5	5	2	0	3	5	2	0	0	2	0	0	2	1	1	2
SQL12	Crop				Intensive cover cropping in annual crops	5	4	0	0	5	2	2	4	3	0	0	0	5	5	2	0	3	5	2	0	0	2	0	0	2	1	1	2
SQL13				Forest	Forest stand improvement for soil health	3	4	3	3	5	5	1	5	5	3	4	0	5	3	1	1	1	1	5	0	0	5	3	1	4	2	3	2
SQL14	Crop			Forest	Integrate grazing into crop and forest systems	1	1	-1	0	2	1	0	3	0	1	0	0	0	0	0	0	0	0	0	0	0	3	2	4	2	0	2	0
SQL15	Crop	Pasture			Utilize the soil health nutrient tool to assess soil nutrient pools	0	0	0	0	2	0	2	4	0	0	0	0	0	4	1	1	1	3	2	2	2	3	0	3	1	0	0	0
SQL16		Pasture	Range		High species diversity grazing lands	1	1	0	0	1	0	0	0	2	1	1	0	1	1	1	1	0	1	3	0	0	4	0	4	2	0	1	1
SQL17		Pasture			Placement of hay feeding areas on low fertility soils	1	0	0	0	3	0	0	5	4	0	0	0	3	4	0	0	0	0	0	0	0	2	0	0	0	0	0	0
SQL18	Crop				Soil health crop rotation	19.33	11.67	0	0	23.06	4.33	8.66	15.27	11.67	0	4.79	1.76	18.33	17.73	8.94	0.59	3.31	15.59	10.1	1.17	0.59	11.66	0	1	10.39	5.77	0.86	11.26
SQL19			Range		Management for rangeland soil health	2.5	1	3	0	2	-0.5	0	5	3	0	2.5	0	2.5	1	-0.5	1	0	0	-0.5	0	0	6.5	3.5	7.75	4.75	3	4	1
WQL03		Pasture	Range	Forest	Rotation of supplement and feeding areas	2	1	2	0	0	0	0	2	3	0	1	0	4	4	0	4	1	2	0	0	0	3	0	4	1	3	1	2
WQL04	Crop				Plant tissue tests and analysis to improve nitrogen management	0	0	0	0	1	0	0	4	0	0	0	0	0	5	0	0	0	0	3	0	0	3	0	0	0	1	0	2
WQL05	Crop				Apply nutrients no more than 30 days prior to planned planting date	0	0	0	0	1	0	0	2	0	0	0	0	0	4	0	0	0	0	2	0	0	2	0	0	0	0	0	0
WQL07	Crop	Pasture			Split nitrogen applications 50% after the crops/pasture emerge/green up	0	0	0	0	1	0	0	4	0	0	0	0	0	5	0	0	0	0	3	0	0	3	0	0	0	2	1	0
WQL09	Crop				Apply phosphorus fertilizer below soil surface	-1	0	0	0	0	0	0	2	0	0	0	0	-1	5	0	0	0	0	0	0	0	1	0	0	0	3	1	-1
WQL10	Crop				Plant a cover crop that will scavenge residual nitrogen	4	2	0	0	5	0	2	3	2	0	0	0	4	4	2	0	1	4	2	0	0	2	0	0	2	1	0	2
WQL11	Crop	Pasture			Precision application technology to apply nutrients	0	0	0	0	1	0	0	3	1	0	0	0	0	5	0	0	0	0	3	0	0	3	0	2	0	2	1	2
WQL18		Pasture	Range	Forest	Non- chemical pest management forlivestock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	1	0	0	0	3	3	3	1	1
WQL19		Pasture	Range	Forest	Transition to ORGANIC grazing systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	1	0	0	0	3	4	4	2	2
WQL20	Crop				Transition to ORGANIC cropping systems	0	0	0	0	2	0	0	3	0	0	0	0	0	4	4	0	0	0	0	3	0	0	0	0	3	3	1	2
WQL22	Crop	Pasture			On-farm composting of farm organic waste	0	0	0	0	5	0	0	5	0	0	2	0	0	4	0	5	0	0	0	0	5	2	0	0	0	0	0	3
WQL25	Crop				Split applications of nitrogen based on a PSNT	0	0	0	0	2	0	0	5	0	0	0	0	0	5	0	0	0	0	5	0	0	4	0	0	0	3	1	0
WQL26	Crop	Pasture			Reduce the concentration of nutrients imported on farm	0	0	0	0	4	0	0	4	0	0	0	0	0	5	0	0	0	0	3	0	0	0	0	1	0	3	1	5
WQL27	Crop				Drainage water management for nutrient, pathogen, or pesticide reduction	1	1	0	0	3	4	-1	0	0	-1	0	0	2	4	4	4	0	3	-3	0	0	0	0	0	1	3	1	0
WQL28		Pasture	Range	Forest	Biological suppression and other non-chemical techniques to manage brush, weeds and invasive species	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	3	5	0	3	0	2	0	0	0	2
WQL29	Crop	Pasture	Range	Forest	High level integrated pest management to reduce pesticide environmental risk	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5	0	0	0	1	5	0	3	2	2	4	4	2	2
WQL30	Crop	Pasture	Range		Integrated pest management for ORGANIC farming	0	0	0	0	0	0	1	0	0	0	0	0	0	0	5	0	0	0	1	5	0	3	2	2	4	4	2	2
WQL31	Crop	Pasture			Land application of treated manure	0	0	0	0	3	0	0	3	0	0	0	0	0	0	0	5	0	0	2	0	5	1	0	0	0	2	1	0
WQL32	Crop	Pasture			Apply enhanced efficiency fertilizer	0	0	0	0	0	0	0	4	0	0	0	0	0	4	0	0	0	0	3	0	0	3	0	2	1	1	0	2
WQL33	Crop				Use of non-chemical methods to kill cover crops	0	0	0	0	2	0	0	0	0	0	0	0	2	0	5	0	0	1	3	5	0	0	0	0	0	2	1	3
WQT01	Crop	Pasture			Irrigation system automation	3	1	0	0	0	0	3	0	0	4	4	5	2	2	2	1	2	0	0	0	0	1	0	2	0	0	0	4
WQT03	Crop	Pasture			Irrigation pumping plant evaluation	0	0	0	0	0	0	0	0	0	0	3	4	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	5
WQT05	Crop	Pasture			Remote monitoring and notification of irrigation pumping plant operation	3	1	0	0	0	0	3	0	0	4	4	5	2	2	0	0	2	0	0	0	0	1	0	2	0	0	0	4
WQT07	Crop	Pasture			Regional weather networks for irrigation scheduling	3	1	0	0	0	0	3	0	0	4	4	5	2	2	0	0	2	0	0	0	0	1	0	2	0	0	0	4
WQT08	Crop	Pasture			Decrease irrigation water quantity or conversion to Non-Irrigated Crop Production	2	1	0	0	2	1	1	2	1	1	5	5	1	1	1	0	0	1	3	1	0	3	0	0	2	3	2	5
WQT09	Crop	Pasture			High level or advanced irrigation water management	3	3	1	0	0	0	2	1	0	4	4	5	2	2	0	0	2	0	2	0	0	1	0	0	0	0	0	4
WQT10	Crop	Pasture			Center pivot irrigation system end gun removal	3	3	1	2	0	0	2	0	0	4	4	5	2	3	2	0	2	0	2	0	0	1	0	0	0	0	0	2
WQT11	Crop				Low energy precision application (LEPA) irrigation	3	1	1	0	0	0	3	0	0	4	4	5	2	3	2	1	2	0	0	0	0	1	0	2	0	0	0	3
WQT12	Crop				Computerized hole selection for polypipe	4	3	0	0	0	0	2	0	0	0	5	5	3	3	3	0	0	2	2	0	0	0	1	0	0	0	0	4
WQT13	Crop				Intermittent flooding of rice fields	0	0	0	0	1	0	2	0	0	0	5	5	1	1	1	0	0	2	4	0	0	1	0	0	2	0	0	4

2015 Activity List and Effect Scores

NRCS Code	Eligible Land Use				Supplemental Payment Activity Name	Soil Erosion Concerns				Soil Quality Functions					Water Quantity Concerns			Water Quality Concerns					Air Quality Concerns				Plants		Animal Concerns				Energy
						sheet, rill, wind, irrigation	ephemeral, gully	streambank, shoreline	road banks, construction sites	OM depletion (habitat, compaction, water partitioning)	OM oxidation	salinity, other contaminants	nutrient cycling	compaction	excess water	insufficient water	inefficient use of irrigation water	sediment	nutrients	pesticides	pathogens	salinity	airborne soil particulates (PM)	greenhouse and ozone gases	chemical spray drift*	odors	quantity, diversity, health, vigor	declining populations-T&E species	Domestic Livestock-cover, food, and water	Terrestrial Wildlife-cover, food, connectivity, and water	Aquatic Wildlife-structure, food, water temperature	Declining populations-T&E species	energy conservation
CCR98	Crop				Improved Resource Conservation Crop Rotation	5	1	0	0	5	3	3	4	2	0	1	0	4	4	3	0	0	2	2	0	0	4	0	2	3	1	0	0
CCR99	Crop				Resource-Conserving Crop Rotation	4	3	0	0	5	2	2	3	3	0	1	0	3	3	2	0	0	2	2	0	0	3	0	1	2	1	0	2

NRCS Code	Eligible Land Use				Bundle Name	Soil Erosion Concerns				Soil Quality Functions					Water Quantity Concerns			Water Quality Concerns					Air Quality Concerns				Plants		Animal Concerns				Energy
						sheet, rill, wind, irrigation	ephemeral, gully	streambank, shoreline	road banks, construction sites	OM depletion (habitat, compaction, water partitioning)	OM oxidation	salinity, other contaminants	nutrient cycling	compaction	excess water	insufficient water	inefficient use of irrigation water	sediment	nutrients	pesticides	pathogens	salinity	airborne soil particulates (PM)	greenhouse and ozone gases	chemical spray drift*	odors	quantity, diversity, health, vigor	declining populations-T&E species	Domestic Livestock-cover, food, and water	Terrestrial Wildlife-cover, food, connectivity, and water	Aquatic Wildlife-structure, food, water temperature	Declining populations-T&E species	energy conservation
BCR10	Crop				Crop Technology Bundle #10 (Improves nutrient and pesticide application techniques and widens buffers)	2.68	0.00	2.30	0.00	2.30	0.00	1.15	4.60	1.15	0.00	0.00	0.00	4.98	9.97	21.47	2.68	0.00	1.92	8.05	17.63	0.00	17.25	8.82	5.75	14.95	17.25	12.65	10.35
BCR11	Crop				Crop Technology Bundle #11 (Addresses orchard and vineyard resource concerns)	6.9	5.75	0	0	8.05	2.3	3.45	6.9	3.45	0	0	0	6.9	5.75	17.25	0	3.45	5.75	10.35	12.65	0	13.8	8.05	2.3	16.1	11.5	11.5	5.75
BFO09				Forest	Forest Bundle # 9 (Improves wildlife habitat, soil quality and forest health in conifer and mixed forests)	5.81	5.75	3.45	3.45	8.11	5.69	2.3	13.4	5.69	3.45	8.05	0	10.98	5.75	11.5	2.3	2.3	4.72	15.12	6.9	0	36.46	10.47	12.94	23.46	5.75	18.8	6.9
BFO10				Forest	Forest Bundle # 10 (Improves wildlife habitat in hardwood or mixed forests)	2.3	2.3	0	0	1.15	1.15	1.15	0	0	0	0	0	3.45	1.15	16.1	0	0	0	4.6	12.65	0	16.1	4.6	4.6	17.25	12.65	9.2	3.45
BOI01	Crop				Ogalalla Initiative Bundle #1	13.23	8.05	4.03	2.3	1.15	0	8.05	2.3	0	13.8	17.25	21.85	11.5	11.5	8.05	3.45	9.2	1.15	6.9	0	0	6.9	0.58	3.45	4.6	4.6	3.45	17.25
BOI02	Crop				Ogalalla Initiative Bundle #2	13.23	8.05	5.18	2.3	1.15	0	8.05	2.3	0	13.8	17.25	21.85	11.5	12.65	8.05	3.45	9.2	1.15	6.9	0	0	6.9	0.58	3.45	4.6	4.6	3.45	16.1
BOI03	Crop				Ogalalla Initiative Bundle #3	13.23	3.45	1.73	0	1.15	0	10.35	1.15	0	13.8	17.25	21.85	11.5	10.35	5.75	3.45	9.2	1.15	2.3	0	0	6.9	0.58	8.05	4.6	4.6	3.45	19.55
BPA09		Pasture			Pasture Grazing Bundle # 9 (Addresses multiple resource concerns)	2.3	1.15	3.45	0	8.05	0	0	12.65	3.45	0	1.15	0	2.3	8.05	5.75	2.3	0	0	4.6	5.75	0	16.1	4.6	9.2	14.95	9.2	13.8	6.9
BPA10		Pasture			Pasture Grazing Bundle # 10 (Improve forage utilization)	4.6	1.15	3.45	0	8.05	0	0	17.25	4.6	0	1.15	0	3.45	9.2	0	3.45	0	0	6.9	0	0	12.65	1.15	14.95	4.6	6.9	3.45	19.55
BPI01				Forest	Long Leaf Pine Initiative Bundle #1	3.47	2.68	3.07	0.38	8.84	1.51	0.38	10.79	4.2	0.38	1.92	0	3.09	2.68	0.77	1.92	0.38	3.11	1.21	0	0.38	21.74	6.94	15.05	27.75	5.75	20.07	1.15
BPI02				Forest	Long Leaf Pine Initiative Bundle #2	5.77	3.14	3.53	0.38	5.85	1.51	0.38	6.65	1.67	0.38	3.76	0	5.62	3.37	8.13	1.69	0.38	1.96	5.12	5.52	0.38	20.13	6.25	6.31	20.85	4.83	15.47	2.99
BPI03				Forest	Long Leaf Pine Initiative Bundle #3	11.5	8.82	7.28	7.28	16.48	12.65	3.45	18.59	13.42	4.6	16.48	0.38	16.29	11.12	3.83	3.45	3.45	4.6	15.72	-0.38	0.38	26.45	14.18	7.67	25.3	9.58	18.4	9.58
BRA10			Range		Range Grazing Bundle # 10 (Address multiple resource concerns)	4.6	3.45	4.6	0	4.6	0	1.15	6.9	6.9	0	1.15	0	5.75	5.75	5.75	5.75	1.15	3.45	1.15	5.75	0	14.95	3.45	16.1	14.95	12.65	8.05	10.35
BRA11			Range		Range Grazing Bundle # 11 (Addresses multiple resource concerns)	0	0	0	0	4.6	0	1.15	4.6	1.15	0	0	0	0	0	5.75	0	0	0	0	5.75	0	11.5	4.6	10.35	20.7	6.9	14.95	8.05

NRCS Code	Eligible Land Use				Practice Name	Soil Erosion Concerns				Soil Quality Functions					Water Quantity Concerns			Water Quality Concerns					Air Quality Concerns				Plants		Animal Concerns				Energy
						sheet, rill, wind, irrigation	ephemeral, gully	streambank, shoreline	road banks, construction sites	OM depletion (habitat, compaction, water partitioning)	OM oxidation	salinity, other contaminants	nutrient cycling	compaction	excess water	insufficient water	inefficient use of irrigation water	sediment	nutrients	pesticides	pathogens	salinity	airborne soil particulates (PM)	greenhouse and ozone gases	chemical spray drift*	odors	quantity, diversity, health, vigor	declining populations-T&E species	Domestic Livestock-cover, food, and water	Terrestrial Wildlife-cover, food, connectivity, and water	Aquatic Wildlife-structure, food, water temperature	Declining populations-T&E species	energy conservation
311	Crop	Pasture			Alley Cropping	3	3	0	0	2	3	0	2	2	1	0	0	1	1	2	1	0	1	1	3	0	3	0	1	1	0	1	0
314	Crop	Pasture	Range	Forest	Brush Management	1	0	0	0	0	0	0	2	0	0	3	0	1	0	-1	0	0	0	0	0	0	3	3	2	0	0	0	0
328	Crop				Conservation Crop Rotation	3	2	0	0	3	0	0	3	1	0	1	0	2	2	2	0	1	2	1	1	0	2	0	0	2	1	0	2
329	Crop				Residue and Tillage Management, No-Till/Strip Till/Direct Seed	5	3	0	0	3	0	0	1	3	0	2	0	4	2	0	0	0	3	2	0	0	0	0	0	2	1	0	4
338		Pasture	Range	Forest	Prescribed Burning	0	0	0	0	0	-1	0	2	0	0	0	0	0	0	0	0	0	0	-1	0	0	4	2	3	4	0	4	0
340	Crop				Cover Crop	4	2	0	0	5	0	2	3	2	0	0	0	4	4	2	0	1	4	2	0	0	2	0	0	2	1	0	2
342	Crop	Pasture	Range	Forest	Critical Area Planting	5	5	4	5	3	0	1	0	0	0	0	0	4	0	0	0	0	3	0	0	0	2	0	0	1	2	0	0
345	Crop				Residue and Tillage Management, Mulch Till	4	3	0	0	2	0	0	1	2	0	2	0	3	1	0	0	0	3	2	0	0	0	0	0	2	0	0	3
380	Crop	Pasture	Range		Windbreak/Shelterbelt Establishment	4	0	0	0	1	0	0	0	0	0	3	0	3	1	2	0	0	4	2	2	2	3	0	1	4	0	2	3
382	Crop	Pasture	Range	Forest	Fence	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	-1	0	0	0
383		Pasture	Range	Forest	Fuelbreak	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	2	0	1	1	0	0	0
384		Pasture	Range	Forest	Woody Residue Treatment	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	2	0	0	2
386	Crop				Field Border	2	0	0	0	1	0	0	0	0	0	0	0	2	2	2	1	0	1	0	0	0	3	0	0	3	3	2	0
390	Crop	Pasture	Range		Riparian Herbaceous Cover	2	0	4	0	1	0	0	1	0	0	0	0	4	4	3	2	0	1	0	0	0	3	1	1	4	4	2	0
391	Crop	Pasture			Riparian Forest Buffer	2	0	4	0	1	0	0	1	0	0	0	0	4	4	3	2	0	1	3	1	0	3	1	1	4	4	3	0
393	Crop				Filter Strip	4	0	0	0	1	0	0	0	0	0	0	0	5	3	3	3	0	1	0	0	0	2	0	0	2	4	1	0
394		Pasture	Range	Forest	Firebreak	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	0
395	Crop	Pasture	Range	Forest	Stream Habitat Improv/Mgmt	0	0	4	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3	0	0	3	5	4	0
449	Crop	Pasture			Irrigation Water Management	2	1	0	0	1	1	2	2	0	0	0	5	2	2	2	2	2	1	0	0	0	2	0	2	0	2	0	2
484	Crop				Mulching	3	3	1	3	3	1	1	0	0	-1	3	0	2	0	0	0	0	2	0	0	0	3	0	0	0	0	0	1
511	Crop	Pasture			Forage Harvest Management	0	0	0	0	1	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	3	0	4	2	0	0	0
512	Crop	Pasture			Forage and Biomass Planting	2	1	0	0	2	0	0	2	2	0	1	0	3	3	3	1	0	1	1	0	0	4	0	4	3	0	0	0
528		Pasture	Range	Forest	Prescribed Grazing	2	1	3	0	2	0	0	3	3	0	1	0	2	1	0	1	0	0	0	0	0	3	1	4	3	3	2	1
550	Crop	Pasture	Range		Range Planting	2	0	1	0	3	0	0	3	1	0	3	0	2	1	0	1	0	2	1	0	0	3	0	3	3	0	1	0
612	Crop	Pasture	Range	Forest	Tree/Shrub Establishment	2	1	2	0	3	0	0	1	1	0	0	0	2	2	0	0	0	3	5	2	2	3	2	0	3	2	2	2
614	Crop	Pasture	Range	Forest	Watering Facility	1	1	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	0	5	5	2	2	0
643	Crop	Pasture	Range	Forest	Restoration and Management of Rare and Declining Habitats	1	1	0	0	2	0	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0	4	4	0	5	4	5	0
644	Crop	Pasture	Range	Forest	Wetland Wildlife Habitat Management	0	0	0	0	0	1	0	0	0	0	0	0	2	1	1	1	0	0	0	0	0	3	3	0	4	5	4	0
645	Crop	Pasture	Range	Forest	Upland Wildlife Habitat Management	1	1	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	4	3	0	5	3	4	0
647	Crop	Pasture	Range	Forest	Early Successional Habitat Development/Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	0	5	3	4	0
650	Crop	Pasture	Range		Windbreak/Shelterbelt Renovation	3	0	0	0	1	0	0	0	0	0	2	1	2	0	2	0	0	3	1	2	1	4	0	1	5	0	2	1
654	Crop			Forest	Road/Trail/Landing Closure and Treatment	1	2	0	5	1	0	0	0	3	0	0	0	3	0	0	0	0	1	0	0	0	1	0	0	3	2	0	0
655	Crop			Forest	Forest Trails & Landings	0	2	0	4	0	0	0	0	1	1	0	0	3	0	0	0	0	1	0	0	0	0	0	0	2	2	0	1
660	Crop			Forest	Tree/Shrub Pruning	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	3	0	0	1	0	0	1
666	Crop			Forest	Forest Stand Improvement	1	1	0	0	1	0	0	2	-2	-1	2	2	0	2	1	2	0	0	2	-1	0	4	0	2	2	1	0	0