

**2013-1 Conservation Stewardship Program
Activities List with Effect Scores**

NRCS Code	Eligible Land Use				Enhancement, Bundle or Practice Name	Soil Erosion Concerns				Soil Quality Functions				Water Quantity Concerns			Water Quality Concerns					Air Quality Concerns				Plants		Animal Concerns				Energy Concerns					
						sheet, rill, wind, irrigation	ephemeral, gully	streambank, shoreline	road banks, construction sites	organic matter 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	0	0	0	0	0	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	5	0	0	0	0	1	5	0	3	3	0	3	3	3	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	5	0	0	0	0	0	1	5	0	3	2	0	2	2	2	2	2	3	3		
AIR08	Crop				Nitrogen stabilizers for air emissions control	0	0	0	0	0	0	0	3	0	0	0	0	2	0	0	0	0	4	0	0	1	0	0	0	0	0	0	0	0	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	3	0	3	3	0	1	2	2	2			
ANM05	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	5	5	5	3	0	3	3	1	0	3	1	1	4	4	3	3	3	0	0		
ANM07	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	0	0	0	0	0	1	0	0	0	3	0	1	4	4	3	3	3	0	0	
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	3	0	0	5	2	2	2	2	2	0	0	
ANM10	Crop				Harvest hay 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	2	0	0	5	1	1	1	1	2	2		
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	-1	0	0	4	2	3	5	0	4	4	0	0	0		
ANM12	Crop	Pasture	Range	Forest	Shallow water habitat	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5	5	3	3	3	0	0		
ANM17		Pasture	Range		Monitoring nutritional status of livestock using the NUTBAL PRO System	0	0	0	0	0	0	0	2	0	0	0	0	1	0	0	0	0	2	0	0	0	0	5	0	0	0	0	0	0	3	3	
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	2	2	3	3	
ANM23	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	1	4	4		
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	3	0	4	0	0	0	0	5	5	5		
ANM26		Pasture	Range		Managing calving 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	4	0	0	0	0	5	5	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	4	0	5	5	5	5	0	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	3	0	0	0	0	0	1	1	0	0	5	5	5	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	5	5	3	3	0	0	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	5	4	4	3	0	1	0	0	0	3	1	1	4	4	3	3	0	0	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	3	0	0.5	4	4.5	3	3	0	0	0		
ANM34	Crop				Leave standing grain crops un-harvested to benefit wildlife	1	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	4	3	0	5	3	4	4	0	0	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	7.25	2.1	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	10.5	0	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	13.65	2.1	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	3	5	0	4	4	0	0	0		
ENR01	Crop				Fuel use reduction for field operations	2	2	0	0	2	0	0	0	2	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	5	5	
ENR09	Crop	Pasture	Range	Forest	Variable frequency drive electric motors	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	0	0	0	5	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	1	5	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	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	2	0	0	2	1	0	2	2	2	2		
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	4	1	4	3	2	2	2	0	0	0		
PLT05	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	5	0	0	3	2	0	0	0	0	0		
PLT06	Crop	Pasture			Renovation of a windbreak, shelter belt or hedgerow for wildlife habitat	3	0	0	0	1	0	0	0	0	0	0	2	1	0	0	0	3	1	2	1	4	0	1	5	0	2	2	1	1	1		
PLT15	Crop	Pasture	Range	Forest	Establish pollinator and/or beneficial insect habitat	1	1	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	1	0	4	2	0	5	2	4	4	0	0			
PLT16		Pasture	Range		Intensive rotational grazing	2	1	3	0	3	0	0	5	3	0	1	0	2	2	0	2	0	0	0	0	5	1	5	3	3	2	2	2	2			
PLT17				Forest	Create forest openings to improve hardwood stands	1	1	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	-1	-1			
PLT18	Crop	Pasture			Increasing on-farm food production with edible woody buffer landscapes	3	0	0	0	1	0	0	0	0	0	2	1	2	0	0	0	3	1	2	1	4	0	1	5	0	2	3	3	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	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	4	0	0	4	2	0	0	4	4	4		

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						sheet, rill, wind, irrigation	ephemeral, gully	streambank, shoreline	road banks, construction sites	organic matter depletion (habitat, compaction, water)	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	Range	Forest	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	
344	Crop				Residue Management, Seasonal	2	1	0	0	1	0	0	0	0	0	1	0	1	1	0	0	0	2	0	0	0	0	0	0	1	0	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	
346	Crop				Residue and Tillage Management, Ridge 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	2	
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	3	0	0	2	0	1	1	0	0	0	0	
384		Pasture	Range	Forest	Woody Residue Treatment	1	0	0	0	0	0	0	0	0	0	0	1	0	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	2	2	2	1	0	1	0	0	0	3	0	0	3	3	2	0	0	
390	Crop	Pasture	Range		Riparian Herbaceous Cover	2	0	4	0	1	0	0	1	0	0	0	4	4	3	2	0	1	0	0	0	3	1	1	4	4	2	0	0	
391	Crop	Pasture			Riparian Forest Buffer	2	0	4	0	1	0	0	1	0	0	0	4	4	3	2	0	1	3	1	0	3	1	1	4	4	3	0	0	
393	Crop				Filter Strip	4	0	0	0	1	0	0	0	0	0	0	5	3	3	3	0	1	0	0	0	2	0	0	2	4	1	0	0	
394		Pasture	Range	Forest	Firebreak	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	0	0	
395	Crop	Pasture	Range	Forest	Stream Habitat Improv/Mgmt	0	0	4	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3	0	0	3	5	4	0	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	0	0	0	0	0	0	0	0	3	0	4	2	0	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	3	1	4	3	3	2	1	1	
550			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			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	2	0	0	0	0	0	0	0	0	2	0	5	5	2	2	0	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	1	1	1	0	0	1	1	0	0	4	4	0	5	4	5	0	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	0
645	Crop	Pasture	Range	Forest	Upland Wildlife Habitat Management	1	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	4	3	0	5	3	4	0	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	4	3	0	5	3	4	0	0	
650	Crop	Pasture	Range		Windbreak/Shelterbelt Renovation	3	0	0	0	1	0	0	0	0	0	2	1	2	0	0	0	3	1	2	1	4	0	1	5	0	2	1	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	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	2	2	0	0	1	1
660	Crop			Forest	Tree/Shrub Pruning	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	0	1	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	0