

## Conservation Stewardship Program (2010 - 2) Conservation Enhancement and Activity List with ND Sideboards



**Applicant Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_

The Conservation Stewardship Program (CSP) encourages agricultural producers to improve conservation systems by undertaking additional conservation activities and improving, maintaining, and managing existing conservation activities. Conservation activities include enhancements and conservation practices.

**Enhancements** – Conservation activities selected by producers that are used to treat natural resources and improve conservation performance

= new enhancements added or edited as of May 17, 2010

**Practices** – Conservation practices are used in CSP for the purpose of encouraging producers to meet additional stewardship thresholds. During the application process, an applicant may identify resource concern stewardship thresholds by land use that they are not meeting with existing activities, and agree to meet them by installing new conservation practices. The new conservation practices that need to be installed will be identified by NRCS during the application process. During on-site field verification for approved applicants, NRCS will determine the required practices using the conservation planning process.

Activities that interest you	Actual or System with Amount (Acres or Number)	NRCS Code	Eligible Land Use				Enhancement Name	Enhancement Criteria	ND Implementation Sideboards	May Be Applicable on Land Adjacent to Eligible Land	May Be Filtered by Existing Activities
			Crop	Pasture	Range	Forest					
	System Acres	AIR03	Crop				Replace burning of prunings, removals and other crop residues with non-burning alternatives (chipping, grinding, shredding, mowing or composting)	Use of non-burning alternatives to dispose of prunings, removals and other crop residues from orchards, vineyards and other crops. Non-burning alternatives would include chipping, grinding, shredding, mowing or composting these materials.	All methods listed on the fact sheet are acceptable. No other alternatives allowed.	No	Yes
	System Acres	AIR04	Crop	Pasture			Use drift reducing nozzles, low pressures, lower boom height, and adjuvants to reduce pesticide drift	Use chemical drift reduction technologies to reduce drift of applied agricultural chemicals from the intended target. Drift reduction reduces damage to non-target desirable plants and animal habitats and reduces pollution of water bodies. Reducing chemical drift may improve air quality by decreasing particulate matter in the air, and in some cases reduce the potential for release of volatile organic compounds (ozone precursors) into the air.	All methods listed on the fact sheet are acceptable. See North Dakota Extension Bulletins for acceptable adjuvants.	No	Yes
	Actual Number	AIR06	Crop				Replacing oil- and wood-fired heaters in orchards and vineyards	Replace oil- and wood-fired heaters in orchards and vineyards to manage particulate matter emissions from frost protection.	Propane or electric heating systems and wind towers are acceptable.	No	Yes
	System Acres	AIR07	Crop	Pasture	Range	Forest	GPS, targeted spray application (SmartSprayer), or other chemical application electronic control technology	Utilize electronically-controlled or managed chemical spray application technology to more precisely apply agricultural pesticides to intended targets, which can reduce the total amount of chemical applied, and reduces the potential for chemical drift.	Auto-steer capabilities with guidance precision at 12 inches or less overlap, on the sprayer or tractor pulling a sprayer is acceptable.	Yes	Yes

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			Crop								
	System Acres	ANM02	Crop				Defer crop production on temporary and seasonal wetlands	Deferring crop production on temporary and/or seasonal wetlands until after spring migratory bird season to promote early successional wetland habitat.	Refrain from cultivating: April 15 to August 1		Yes
	Actual Acres	ANM03		Pasture			Incorporate native grasses and/or legumes into 15% or more of the forage base	Incorporate native grasses and/or legumes into 15% or more of the forage base using adapted species and varieties, appropriate seeding rates, and timing of seeding.	Tame pasture only; incorporate only native legumes; needs to meet practice standards 528 and 550.	Yes	Yes
	Actual Acres	ANM04	Crop	Pasture			Extend existing filter strips for water quality protection and wildlife habitat	Extend existing filter strips to gain more efficiency in intercepting overland flow and reducing the transport of nutrients, pesticides and agrochemicals. Wider filter strips provide more effective habitat for terrestrial animals and provide more inputs to benefit instream habitats.	150 ft. max. width; "A" list species; trees and shrubs not applicable. Need to meet practice standard 393 and 645. Practice standards 390 or 391 may be utilized where applicable.	Yes	Yes
	Actual Acres	ANM05	Crop	Pasture			Extending riparian forest buffers for water quality protection and wildlife habitat	Extend existing buffers to gain more efficiency in intercepting overland flow and reducing the transport of nutrients, pesticides and agrochemicals. Wider buffers provide more effective riparian habitat for terrestrial animals and provide more inputs to benefit instream habitats.	150 ft. max. width; "A" list species; native tree or shrubs only - no conifers. Need to meet practice standard 391. Wildlife management plan required.	Yes	Yes
	Actual Acres	ANM06	Crop	Pasture			Extending existing riparian herbaceous cover for water quality protection and wildlife habitat	Extend existing buffers to gain more efficiency in intercepting overland flow and reducing the transport of nutrients, pesticides and agrochemicals. Wider buffers provide more effective riparian habitat for terrestrial animals and provide more inputs to benefit instream habitats.	150 ft. max. width; "A" list species; trees and shrubs not applicable; not applicable on rangeland. No maintenance during primary nesting	Yes	Yes
	Actual Acres	ANM07	Crop	Pasture			Extending existing field borders for water quality protection and wildlife habitat	Extend existing field borders to gain more efficiency in intercepting overland flow and reducing the transport of nutrients, pesticides and agrochemicals. Wider field borders provide more effective habitat for terrestrial animals.	150 ft. max. width; "A" list species; trees and shrubs not applicable; Not applicable on rangeland. No maintenance/management allowed from April 15 to August 1.	Yes	Yes
	Actual Acres	ANM08	Crop	Pasture			Improve the plant diversity and structure of non-cropped areas for wildlife food and habitat	Improve plant diversity and structure of non-cropped areas for wildlife food and habitat through the planting and/or management of native plant species.	"A" list native species only; native tree or shrubs only; Prescribed burning is not available as a management alternative for ND.	Yes	Yes

Activities that interest you	Actual or System with Amount (Acres or Number)	NRCS Code	Eligible Land Use				Enhancement Name	Enhancement Criteria	ND Implementation Sideboards	May Be Applicable on Land Adjacent to Eligible Land	May Be Filtered by Existing Activities
				Pasture	Range	Forest					
	System Acres	ANM09		Pasture	Range	Forest	Grazing management to improve wildlife habitat	Implement a grazing management plan that allows for rest periods to provide adequate residue for nesting and fawning cover and increase diversity of vegetation structure to benefit a variety of wildlife species.	Deferment period is May 15 to July 15; Needs to meet 528; can not defer same area in consecutive years	No	Yes
	System Acres	ANM10	Crop				Harvest hay in a manner that allows wildlife to flush and escape	Harvest hay using conservation measures that allow wildlife to flush and escape. Includes timed haying to avoid periods when upland wildlife are nesting or fawning, idling paddocks or pastures and idling hay land during the nesting or fawning period, leaving a residual forage height conducive to wildlife nesting and fawning for the following year, and applying haying techniques that reduce mortality to wildlife.	No haying allowed from April 15 to August 1; 8" stubble height;	No	Yes
	Actual Acres	ANM12	Crop	Pasture	Range	Forest	Shallow water habitat	Construct, manage or renovate small, shallow wetland sites to encourage water to remain seasonally, often from late winter through early summer (e.g., vernal pools).	Cannot construct in an existing wetland. Refer to practice standards 646, 638 or 356.	No	Yes
	Actual Linear Feet	ANM13	Crop	Pasture	Range		Non-forested riparian zone enhancement for fish and wildlife	Utilizing select conservation measures such as relocating equipment operations, trails, or livestock; establishing diverse native vegetation and controlling invasive species; fencing; and extending the width of the riparian zone to enhance wildlife habitat adjacent to riparian zones of streams, ponds, lakes, or wetlands.	150 ft. max. width; "A" list native species only; trees and shrubs not applicable	Yes	Yes
	Actual Linear Feet	ANM14	Crop	Pasture	Range	Forest	Riparian forest buffer, terrestrial and aquatic wildlife habitat	Managing forested riparian zones to achieve streamside cover and vegetative diversity and structure to improve terrestrial and aquatic wildlife habitat.	150 ft. max. width; "A" list native species only; native woody species only - no conifers Prescribed burning is not available as a management alternative for ND.	Yes	Yes
	System Acres	ANM15				Forest	Forest stand improvement for habitat and soil quality	Creating snags, den trees, and coarse woody debris on the forest floor to a level optimum for native wildlife usage and long-term forest soil health. May be implemented separately or during thinning or harvesting.	Applicable to all forest stands in North Dakota, excluding windbreaks and shelterbelts. Forest management plan required.	No	Yes

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				Pasture	Range						
	System Acres	ANM17		Pasture	Range		Monitoring nutritional status of livestock using the NUTBAL PRO System	Use of the NUTBAL PRO software to determine if current diet meets livestock nutritional needs. Requires collection and laboratory analysis of forage or fecal samples to determine the nutritional value of grazing forages.	Minimum of 6 samples per year with NutBal Pro reports for each sample; Applies to livestock grazing pastureland and rangeland only; 528 not required; Refer to GanLab web site for more information and processing samples: <a href="http://cnrit.tamu.edu/ganlab/">http://cnrit.tamu.edu/ganlab/</a>	No	Yes
	Actual Number	ANM18		Pasture	Range	Forest	Retrofit watering facility for wildlife escape	Retrofit existing watering facilities (troughs, tanks, etc.) to allow for escape of wildlife that become trapped while trying to drink.	Refer to "Water for Wildlife: A Handbook for Ranchers and Range Managers," Bat Conservation International, provided to all offices. Available on line at: <a href="http://www.batcon.org/news2/pdf/bciwaterforwildlife.pdf">http://www.batcon.org/news2/pdf/bciwaterforwildlife.pdf</a>	No	No
	Actual Acres	ANM19	Crop	Pasture	Range	Forest	Wildlife corridors	Participants will establish corridors with vegetation suited to the natural site conditions and appropriate for the kinds of wildlife present.	Corridors will be designed with similar species as habitat being connected (herbaceous corridor connecting herbaceous habitat; woody corridor connecting woody habitat). For antelope: Three wire fence - two wire barb, bottom wire is smooth and 16" from ground; all woven wire fences will be considered wildlife unfriendly.	Yes	Yes
	Actual Acres	ANM21	Crop	Pasture	Range		Prairie Restoration for Grazing and Wildlife Habitat	ac of cropland, pasture or range that historically were prairie	Needs to meet practice standard 643 - Includes tall grass prairie, mixed grass prairie, plus species requirements based on ESD's. Minimum of 10 native grasses and 6 native forbs. Practice standard 528 required. No grazing allowed from April1 to August1.	No	Yes
	Actual Acres	ANM22	Crop	Pasture	Range	Forest	Restoration and Management of Rare or Declining Habitats	ac of cropland, pasture, range or forest that have rare habitats	Needs to meet practice standard 643 - Includes tall grass prairie, mixed grass prairie, and riparian forests state wide, sage brush steppe, and aspen parkland. Prescribed burning is not available as a management alternative for ND.	No	Yes

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			Crop	Pasture	Range	Forest					
	Actual Acres	ANM23	Crop	Pasture	Range	Forest	Multi-species Native Perennials for Biomass/Wildlife Habitat		Biomass seeding is not applicable to rangeland. Species of concern include: American bittern, northern pintail, Swainson's hawk, ferruginous hawk, northern harrier, short-eared owl, upland sandpiper, Wilson's phalarope, sharp-tailed grouse, greater prairie chicken, Sprague's pipit, sedge wren grasshopper sparrow, Baird's sparrow, Nelson's sharp-tailed sparrow, LeConte's sparrow, lark bunting, bobolink, dickcissel, plains spadefoot toad, northern prairie skink, smooth green snake, western hognose snake, and plains pocket mouse. Must meet 550 or 643 or 612 if non biomass.	No	Yes
	System Acres	ANM24				Forest	Forest Wildlife Structures	Artificial structures developed to enhance wildlife habitat for species or group of species native to the forest type.	Limited to artificial nest boxes or platforms for birds, bats and pollinators. See enhancement fact sheet for additional requirements.	No	No
	System Acres	ANM26		Pasture	Range		Managing calving to coincide with forage availability.	Controlled breeding season to match livestock nutrient requirements to available forage.		No	Yes
	Actual Number	ENR03	Crop	Pasture	Range		Pumping plant powered by renewable energy	Requires the use of renewable energy—solar or wind – to power pumping plants for irrigation, drainage, livestock, or wildlife.		Yes	No
	System Acres	ENR05	Crop	Pasture	Range	Forest	Locally grown and marketed farm products	At least 85% of the nutrients and /or feed needed for crops and/or livestock come from sources within 100 miles of the farm. Products from the farm are retail marketed within 400 miles of the farm.		No	No
	Actual Acres	PLT01	Crop	Pasture	Range	Forest	Establish pollinator habitat	Establish nectar and pollen producing plants in non-cropped areas such as field borders, vegetative barriers, contour buffer strips, waterways shelterbelts, windbreaks, conservation cover, and riparian forest and herbaceous buffers.	See ND pollinator fact sheet, eFOTG, Reference Subjects, Biology; Rangeland can not be planted to pollinator habitat. Prescribed burning is not available as a management alternative for ND.	Yes	Yes
	System Acres	PLT02		Pasture	Range	Forest	Monitor key grazing areas to improve grazing management	Monitor key grazing areas on pastureland and rangeland to determine if current grazing management meets management goals and objectives. A key grazing area is a small area of a pasture that is identified as being representative of the entire pasture.	Photo points <b>plus</b> apparent trend <b>or</b> or pasture condition score <b>or</b> plant productivity <b>or</b> key forage plant heights; 528 not required	No	Yes

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	System Acres	PLT03				Forest	Forest stand improvement pre-treating vegetation and fuels	Manage vegetation and fuels in a forested area with mechanical/manual methods to facilitate future treatment with prescribed fire to restore native forest condition.	Ponderosa pine in southwest ND; requires NIPF contract; state forester or ND Forest Service assistance required. State forester will determine needs and volatile plants. Prescribed burning is not available as a management alternative for ND.	No	Yes
	Actual Acres	PLT06	Crop	Pasture			Renovate a windbreak or shelter belt for wildlife habitat	Renovate a windbreak or shelter belt to add diversity for wildlife habitat. Replace plants threatened by invasive pests such as the emerald ash borer.	<ol style="list-style-type: none"> <li>1. Windbreak must be three rows or greater <ol style="list-style-type: none"> <li>a. Siberian elm/Russian olive rows (single row or multiple rows) may be removed and replaced with native trees or shrubs to minimum of three rows.</li> </ol> </li> <li>2. Windbreaks less than three rows may be expanded to 3 rows or greater</li> <li>3. Windward row must contain shrubs, juniper or spruce species</li> <li>4. Leeward row must contain native shrub suckering species</li> <li>5. Fabric can not be used on suckering shrubs</li> <li>6. Existing windbreaks adjacent (within 150 ft) to wetlands are not eligible to be renovated except to remove trees with a height expectancy of greater than 20ft.</li> <li>7. Existing windbreaks adjacent to native grassland are not eligible unless one of the follow enhancements is completed: <ol style="list-style-type: none"> <li>a. all tall trees greater than 20 ft height expectancy are removed from the existing planting or</li> <li>b. a grassland buffer (min 150 ft.) is installed between the native grassland and the first row of the shelterbelt (may require relocation of trees/shrubs to accomplish, native grass can not be destroyed to create buffer)</li> </ol> </li> <li>8. Emphasis on native species to benefit pollinators</li> <li>9. All other 645 requirements must be met</li> </ol> <p>Wildlife species benefited:  White-tailed deer, Pheasant, Mourning dove, Turkey, Grassland nesting song birds (#7 above).  No woodland song birds, not a large enough block to make difference for species needing forest habitat</p>	Yes	Yes

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	Actual Acres	PLT07				Forest	Hardwood Crop Tree Release	Crop Tree Release (CTR) technique used to enhance health and productivity of trees.	Applies to willow, cottonwood, green ash, bur oak, boxelder, basswood and hackberry.	No	Yes
	Actual Acres	PLT08	Crop				Habitat Development for Beneficial Insects for Pest Management	0.5 ac per 40 ac of cropland	See workbook; PLT08 - ND Guidance, for list of beneficial insects and recommended plants.	Yes	Yes
	System Acres	PLT10		Pasture	Range		Intensive Management of Rotational Grazing	States will need to establish criteria for length, intensity and frequency of grazing	Requires a minimum of 8 pastures in the rotation with individual grazing periods of 10 days or less. Rotation must meet 528.	No	Yes
	System Acres	PLT12				Forest	Patch Harvesting		Forest management plan required.	No	Yes
	System Acres	SOE01	Crop				Continuous no till with high residue	Utilize continuous no-till/strip till/direct seed in the rotation in combination with high and low residue producing crops or cover crops to maintain a high level of residue cover through critical erosion periods.		No	Yes
	Actual Acres	SOE02	Crop	Pasture	Range	Forest	Protect cultural resources sites with conservation cover	Protect cultural resources by establishing conservation cover on culturally significant sites.	"A" list species; no trees or shrubs	Yes	Yes
	System Acres	SOE03	Crop				Continuous No Till Organic System		For certified organic producers or those in the process of transitioning to organic crop production and converting to a no-till planting system. Refer to <a href="http://www.ams.usda.gov/nop/">www.ams.usda.gov/nop/</a> national website and the ND Department of Ag. Website: <a href="http://www.agdepartment.com/Programs/Plant/OrganicFarming.html">http://www.agdepartment.com/Programs/Plant/OrganicFarming.html</a> for information.	No	Yes
	System Acres	SQL02	Crop				Continuous cover crops	Growing continuous seasonal cover crops of grasses, legumes or forbs following all annual crops during all the non-crop production periods of the rotation. Continuous cover cropping is applicable to conventional, specialty and organic crop production systems.	See ND list of cover crops	No	Yes
	System Acres	SQL04	Crop				Use of Cover Crop Mixes	Use of cover crop mixes that contain two (2) or more different species of cover crops.	See ND list of cover crops	No	Yes
	System Acres	SQL05	Crop				Use deep rooted crops to breakup soil compaction	Use deep rooted crops to break up pans in the soil to improve internal drainage.	See ND list of deep rooted cover crop mixes.	No	Yes
	Actual Acres	SQL06	Crop				Conversion of cropped land to grass-based agriculture	acres of cropland	Grassland will be <b>mechanically</b> harvested only. See practice 512, Pasture and Hayland Planting, for acceptable species mixtures.	No	Yes

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	System Acres	SQL07				Forest	Forest Stand Improvement for Soil Quality	Management of forest activities (planting, thinning, harvesting) to minimize impact of forest soils to improve soil quality.	Applicable to all forest stands in North Dakota, excluding windbreaks and shelterbelts. Forest management plan required	No	Yes
	System Acres	WQL01		Pasture	Range		Biological suppression and other non-chemical techniques to manage brush	Removal, reduction or manipulation of non-herbaceous plants with biological suppression methods.	Goats only; no mechanical treatment; does not apply to native shrubs; does not need to meet 528	No	Yes
	System Acres	WQL03		Pasture	Range	Forest	Rotation of supplement and feeding areas	Rotation of Supplementation and Feeding Areas to manage areas of concentrated livestock use to improve livestock distribution and reduce localized areas of disturbances.		No	Yes
	System Acres	WQL04	Crop				Stalk or leaf tissue tests for N application	Use corn stalk and/or leaf tissue tests to adjust nitrogen application rates.	For corn, potato and sugarbeet only.	No	Yes
	System Acres	WQL06	Crop	Pasture			Apply controlled release nitrogen fertilizer	Apply only slow-release or controlled release formulations of nitrogen fertilizer.	Contact NDSU Extension for approved products.	No	Yes
	System Acres	WQL07	Crop	Pasture			Split nitrogen applications 50% after crop emergence	Apply 50% or more of the total nitrogen needs after crop emergence.		No	Yes
	System Acres	WQL08	Crop				Apply split applications of nitrogen based on a pre-sidedress nitrogen test on cropland	Use of a Pre-Sidedress Nitrogen Test (PSNT) to determine the need and/or rate of additional nitrogen to be applied during a sidedress application.	PSNT is not available in North Dakota. Use of plant tissue testing is only recommended for irrigated corn, potatoes and sugarbeets. Properly calibrated chlorophyll meters are acceptable for use. Contact NDSU Extension for further information regarding these two tests.	No	Yes
	System Acres	WQL10	Crop				Plant an annual cover crop that will scavenge residual nitrogen	Plant an annual, cover crop that will scavenge nitrogen left in the soil after the harvest of a previous crop.	Needs to meet practice standard 340. See the 340 species list for suitable species.	No	Yes
	System Acres	WQL11	Crop	Pasture			Precision application technology to apply nutrients	Use of precision agriculture technologies to apply nutrients to fit the variation in site-specific conditions found within fields.		No	Yes
	System Acres	WQL12		Pasture	Range	Forest	Managing livestock access to water bodies/courses	Install structures or implement grazing management actions that assist in managing livestock access to water bodies and water courses.	Needs to meet practice standard 528	Yes	Yes

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			Crop	Pasture	Range	Forest					
	System Acres	WQL13	Crop	Pasture	Range	Forest	High level Integrated Pest Management to reduce pesticide environmental risk	Utilize advanced Integrated Pest Management (IPM) prevention, avoidance, monitoring, and suppression techniques, and only apply the lowest risk pesticides available in an environmentally sound manner when monitoring indicates that an economic pest threshold has been exceeded. Pesticide applications must follow all label requirements.	Cropland only; must follow NDSU plan for specific crop	No	Yes
	System Acres	WQL14	Crop	Pasture			Land apply only treated manure	Field apply only manure that has been treated to stabilize nutrients and reduce odors and pathogens. Acceptable treatment alternatives are composting, anaerobic digesters or storage in a composting barn.	Composted manure.	No	Yes
	System Acres	WQL15	Crop	Pasture			Reduce the concentration of nutrients on farm by limiting the amount of feed and fertilizer brought on livestock farms	Grow at least 75% of feed for livestock on the farm and use manure from the livestock to supply at least 50% of N, 90% of P and 90% K for crops grown on the farm.		No	Yes
	System Acres	WQL16	Crop				Use of legume cover crops as a nitrogen source	Produce at least 70% of the operation's nitrogen needs through the use of cover crops or the utilization of manure.	See ND 340 list of legume species.	No	Yes
	System Acres	WQL17	Crop				Use of non-chemical methods to kill cover crops	Where cover crops are grown, eliminate herbicide use by using a roller crimper to kill the cover crop or use a cool season crop that will die back naturally as summer crops grow.		No	Yes
	System Acres	WQL18		Pasture	Range	Forest	Non- Chemical Pest Control for Livestock	Management techniques, devices and biological agents used to control pests.	All methods listed on the fact sheet are acceptable.	No	Yes
	System Acres	WQL19		Pasture	Range	Forest	Transition to Organic Grazing Systems	Must meet NOP requirements.	For producers planning to or in the process of transitioning to organic grazing systems. Refer to <a href="http://www.ams.usda.gov/nop/">www.ams.usda.gov/nop/</a> national website and the ND Department of Ag. Website: <a href="http://www.agdepartment.com/Programs/Plant/OrganicFarming.html">http://www.agdepartment.com/Programs/Plant/OrganicFarming.html</a> for information. Grazing system must meet 528 standard.	No	Yes

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	System Acres	WQL20	Crop				Transition to Organic Cropping Systems	Must meet NOP requirements	For producers planning to or in the process of transitioning to organic crop production. Refer to <a href="http://www.ams.usda.gov/nop/">www.ams.usda.gov/nop/</a> national website and the ND Department of Ag. Website: <a href="http://www.agdepartment.com/Programs/Plant/OrganicFarming.html">http://www.agdepartment.com/Programs/Plant/OrganicFarming.html</a> for information.	No	Yes
	System Acres	WQL21	Crop	Pasture	Range		Integrated Pest Management for Organic Farming.	Must meet NOP requirements	For certified organic producers or producers in the process of transitioning to organic crop production and implementing an IPM plan. Refer to <a href="http://www.ams.usda.gov/nop/">www.ams.usda.gov/nop/</a> national website and the ND Department of Ag. Website: <a href="http://www.agdepartment.com/Programs/Plant/OrganicFarming.html">http://www.agdepartment.com/Programs/Plant/OrganicFarming.html</a> for information.	No	Yes
	System Acres	WQL22	Crop	Pasture			Composting of On Farm Organic Waste	On the farm composting of organic waste produced from ag operations.	Must meet practices standards Composting Facility (317) and Animal Mortality Facility (316)	No	Yes
	System Acres	WQL23		Pasture	Range		Livestock Protection away from Sensitive Areas	Protection of riparian and other identified sensitive areas.	Sensitive areas in North Dakota riparian areas, sage grouse leks, forested areas, designated critical piping plover habitat and fringed prairie orchid sites.	No	Yes
	System Acres	WQT01	Crop	Pasture			Irrigation system automation	Using GPS guided variable rate irrigation or other innovative technologies that allow irrigation water application based on variable site conditions within a field.	Need to meet practice standard 449.	No	Yes
	System Acres	WQT02	Crop				Mulching for moisture conservation	Using plastic or fiber mulch to reduce irrigation evaporation losses from bare soil surfaces.	Irrigated land only. Need to meet practice standard 484.	No	Yes
	Actual Number	WQT03	Crop	Pasture			Irrigation pumping plant evaluation	Evaluate existing pumping plant and identify and implement maintenance items needed to improve efficiency.	Requires TSP	Yes	Yes
	System Acres	WQT04	Crop	Pasture			Regional weather networks for irrigation scheduling	Use data from a regional weather network to improve irrigation scheduling.	Requires TSP	No	Yes
	Actual Number	WQT05	Crop	Pasture			Remote monitoring and notification of irrigation pumping plant operation	A system for monitoring the status of an irrigation pumping plant and notifying the operator by a wireless connection of a change in the operating status of the irrigation system.		No	Yes

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			Crop	Pasture	Range	Forest					
	Actual Acres	FRD01	Crop	Pasture	Range	Forest	On Farm Research and Demonstrations	On farm research and demonstration consists of the implementation of applied research projects on working farms to gather information and demonstrate the efficacy of the activity. The projects must fit within identified state priority topic areas.		Yes	No
	Actual Acres	FPP02	Crop	Pasture	Range	Forest	On Farm Pilot Projects	On-farm pilots consist of the installation, monitoring and publicizing of projects that fit within the identified state priority areas. Pilots should be practices, components, or management techniques that have shown environmental benefits through research but are not used by farmers in the project area. Practices, components, or management techniques must be implemented, monitored and publicized according protocols developed specifically for the project.	ND list of PMC releases for pollinator species	No	No
	System Acres	CCR99	Crop				Resource-Conserving Crop Rotation	The rotation shall cover at least 3 years of the CSP contract. The rotation is considered adopted when the resource conserving crop is planted on at least 1/3 of the rotation acres. The resource conserving crop must be adopted by the third year of the contract and planted on all rotation acres by the fifth year of the contract.	See ND list of cover crops. <b>Cover crops cannot be grazed or harvested.</b>	No	Yes
	System Acres	BCR01	Crop				Cropland Enhancement Bundle #1	This bundle of enhancement activities includes AIR04-Drift Reducing Nozzles, AIR07-Targeted Spraying, WQL11-Precision Application of Nutrients, WQL13-High Level IPM, plus one of the buffer widening enhancements ANM04, ANM05, ANM06 or ANM07.	All enhancement sideboards noted above apply to the bundled enhancements.		
	System Acres	BCR02	Crop				Cropland Enhancement Bundle #2	This bundle of enhancement activities includes ENR05-Locally Grown and Marketed Farm Products, WQL16-Legumes as an N Source, SQL02-Continuous Cover Crops, WQL13-High Level IPM or WQL21- IPM for Organic Farming, PLT01- Pollinator Habitat or PLT08 - Beneficial Insect Habitat.	All enhancement sideboards noted above apply to the bundled enhancements.		

FOR ENHANCEMENT JOB SHEETS GO TO THE FOLLOWING LINK  
[http://www.nrcs.usda.gov/programs/new\\_csp/csp.html#jobs](http://www.nrcs.usda.gov/programs/new_csp/csp.html#jobs)

Activities that interest you	Actual or System with Amount (Acres or Number)	NRCS Code	Eligible Land Use				Enhancement Name	Enhancement Criteria	ND Implementation Sideboards	May Be Applicable on Land Adjacent to Eligible Land	May Be Filtered by Existing Activities
	System Acres	BCR03	Crop				Cropland Enhancement Bundle #3	This bundle of enhancement activities includes SOE01-Continuous No-till, WQL07-Split N Application, WQL10-Cover Crop to Scavenge N, WQL13-High Level IPM and one of the buffer widening enhancements ANM04, ANM05, ANM06 or ANM07. If an applicant does not currently have buffers, they can install buffers to meet the requirements of the buffer widening enhancements in order to qualify for this bundle.	All enhancement sideboards noted above apply to the bundled enhancements.		
	System Acres	BFO01	Forest (Pine Forest)				Forestland Enhancement Bundle #1	This bundle of enhancement activities includes ANM15-Forest Stand Improvement for Wildlife, PLT03- Forest Stand Improvement Pre-treat for Burning, PLT04- Forest Stand Improvement Prescribed Burn, ANM24-Forest Wildlife Structures and ANM22-Restoration of Rare and Declining Habitat.	<b>Very unlikely in ND due to the inclusion of ANM11 - Patch burning</b>		
	System Acres	BFO02	Forest (Hard wood)				Forestland Enhancement Bundle #2	This bundle of enhancement activities includes ANM15-Forest Stand Improvement for Wildlife, PLT07-Hardwood Crop Tree Release, ANM14-Riparian Forest Buffer Mgmt, ANM24-Forest Wildlife Structures and ANM22-Restoration of Rare and Declining Habitat.	All enhancement sideboards noted above apply to the bundled enhancements.		
	System Acres	BPA01	Pasture				Pastureland Enhancement Bundle #1	This bundle of enhancement activities includes ANM03-15% Native Grasses or Legumes in Forage Base, WQL03-Rotation of Supplement and Feeding Areas, WQL12-Manage Livestock Access to Water Bodies, ANM09-Grazing Mgmt for Wildlife and PLT02-Monitor Key Grazing Areas.	All enhancement sideboards noted above apply to the bundled enhancements.		
	System Acres	BRA01	Range				Rangeland Enhancement Bundle #1	This bundle of enhancement activities includes PLT02-Monitor Key Areas, WQL12-Manage Livestock Access to Water Bodies, ANM18-Retrofit Watering Facilities for Wildlife Escape or ANM11-Patch Burning, ANM09-Grazing Mgmt for Wildlife, WQL03-Rotation of Supplement and Feeding Areas.	<b>Very unlikely in ND due to the inclusion of ANM11 - Patch burning</b>		

Activities that interest you	Actual or System with Amount (Acres or Number)	NRCS Code	Eligible Land Use				Enhancement Name	Enhancement Criteria	ND Implementation Sideboards	May Be Applicable on Land Adjacent to Eligible Land	May Be Filtered by Existing Activities
<b>List of CSP Enhancements / Activities that are not applicable in North Dakota OR are unlikely to be implemented.</b>											
	Actual Acres	ANM01	Crop				Drainage water management for seasonal wildlife habitat	Managing soil and/or surface water levels during the off-season to provide seasonal wildlife habitat.	<b>Very unlikely in ND</b>	No	Yes
	System Acres	ANM11		Pasture	Range	Forest	Patch-burning to enhance wildlife habitat	Use prescribed burning to create patches of different vegetation structure and species composition for the benefit of wildlife.	<b>Very unlikely in ND</b>	No	No
	System Acres	ANM20		Pasture		Forest	Silvopasture for wildlife habitat	Manage silvopastures to promote plant diversity for wildlife habitat.	<b>Very unlikely in ND</b>	N/A	N/A
	System Acres	ANM25		Pasture			Stockpiling forages to extend the grazing season.	Livestock are excluded from forage on specified acreage during the growing season.	<b>Very unlikely in ND</b>	N/A	N/A
	System Acres	PLT04				Forest	Forest Stand Improvement, Prescribed burning	Prescribed use of fire in a forest to restore native forest conditions with a focus on improving the condition of fire-adapted plants and wildlife habitat and reducing the risk of damage from intense, severe wildfires.	<b>Very unlikely in ND</b>	No	No
	System Acres	PLT05	Crop			Forest	Multi-story cropping, sustainable management of nontimber forest	This enhancement is the manipulation of forest species composition, structure, and canopy cover	<b>Very unlikely in ND</b>	N/A	N/A
	System Acres	PLT11				Forest	Conifer Tree Release		<b>Very unlikely in ND</b>	N/A	N/A
	System Acres	SQL01	Crop				Controlled traffic system	Confines heavy traffic from tractor drive wheels/tracks, combine wheels, fertilizer or manure spreaders and grain carts to specific lanes through crop fields year after year.	<b>Very unlikely in ND. All field operations must be accounted for in the traffic pattern design.</b>	No	Yes
	Actual Acres	SQL03	Crop				Drainage water management for nutrient, pathogen, or pesticide reduction	Managing soil and/or surface water levels during the off season to reduce nutrients, pathogens, or pesticides leaving the field through drainage systems and flowing into downstream receiving waters. This enhancement may also be utilized to reduce the oxidation of organic matter in the soil and/or reduce wind erosion or particulate matter (dust) emissions.	<b>Very unlikely in ND</b>	No	Yes