

Natural Resources Conservation Service

Climate-Smart Agriculture and Forestry (CSAF) Mitigation Activities List [1]



Climate Change Mitigation Practice Categories	Code	Conservation Practice Standard Name	CSP Enhancement Code	CSP Enhancement Activity
Soil Health	327	Conservation Cover (Acres)	E327A	Conservation cover for pollinators and beneficial insects
			E327B	Establish Monarch butterfly habitat
			E328A	Resource conserving crop rotation
	328	Conservation Crop Rotation (Acres)	E328B	Improved resource conserving crop rotation
			E328E	Soil health crop rotation
			E328F	Modifications to improve soil health and increase soil organic matter
			E328G	Crop rotation on recently converted CRP grass/legume cover for soil organic matter improvement
			E328N	Intercropping to improve soil health
			E328O	Perennial grain crop conservation rotation
			E329A	No till to reduce soil erosion
	329	Residue and Tillage Management, No Till (Acres)	E329B	No till to reduce tillage induced particulate matter
			E329C	No till to increase plant-available moisture
			E329D	No till system to increase soil health and soil organic matter content
			E329E	No till to reduce energy
	332	Contour Buffer Strips (Acres)	None Available	
	340	Cover Crop (Acres)	E340A	Cover crop to reduce soil erosion
			E340B	Intensive cover cropping to increase soil health and soil organic matter content
			E340C	Use of multi-species cover crops to improve soil health and increase soil organic matter
			E340D	Intensive orchard/vineyard floor cover cropping to increase soil health
			E340F	Cover crop to minimize soil compaction
			E340G	Cover crop to reduce water quality degradation by utilizing excess soil nutrients
			E340H	Cover crop to suppress excessive weed pressures and break pest cycles
			E340I	Using cover crops for biological strip till
	345	Residue and Tillage Management, Reduced Till (Acres)	E345A	Reduced tillage to reduce soil erosion
			E345B	Reduced tillage to reduce tillage induced particulate matter
			E345C	Reduced tillage to increase plant-available moisture
			E345D	Reduced tillage to increase soil health and soil organic matter content
			E345E	Reduced tillage to reduce energy use
	386	Field Border (Acres)	E386A	Enhanced field borders to reduce soil erosion along the edge(s) of a field
			E386B	Enhanced field borders to increase carbon storage along the edge(s) of the field
			E386C	Enhanced field borders to decrease particulate emissions along the edge(s) of the field
			E386D	Enhanced field borders to increase food for pollinators along the edge(s) of a field
E386E			Enhanced field borders to increase wildlife food and habitat along the edge(s) of a field	
393	Filter Strips (Acres)	E393A	Extend existing filter strip to reduce water quality impacts	
412	Grassed Waterways (Acres)	E412A	Enhance a grassed waterway	
484	Mulching (Acres)	E484A	Mulching to improve soil health	
		E484B	Reduce particulate matter emissions by using orchard or vineyard generated woody materials as mulch	
		E484C	Reduce particulate matter emissions by using orchard or vineyard generated woody materials as mulch	
585	Stripcropping (Acres)	None Available		



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Nitrogen Management	590	Nutrient Management (Acres)	E590A	Improving nutrient uptake efficiency and reducing risk of nutrient losses		
			E590B	Reduce risks of nutrient loss to surface water by utilizing precision agriculture technologies		
			E590C	Improving nutrient uptake efficiency and reducing risk of nutrient losses on pasture		
			E590D	Reduce risks of nutrient losses to surface and groundwater by increasing setback awareness via precision technology		
Livestock Partnership	366	Anaerobic Digester (Number)	None Available			
	632	Waste Separation Facility (Number)				
Grazing and Pasture	512	Pasture and Hay Planting (Acres)	E512A	Cropland conversion to grass-based agriculture to reduce soil erosion		
			E512B	Forage plantings that help increase organic matter in depleted soils		
			E512C	Cropland conversion to grass for soil organic matter improvement		
			E512D	Forage plantings that help increase organic matter in depleted soils		
			E512E	Forage and biomass planting that produces feedstock for biofuels or energy production.		
			E512I	Establish pollinator and/or beneficial insect and/or monarch habitat		
			E512J	Establish wildlife corridors to provide habitat continuity or access to water		
			E512K	Establishing native species into forage base to improve diversity for both livestock and wildlife		
			E512L	Diversifying forage base with interseeding forbs and legumes to increase pasture quality		
			E512M	Forage plantings that improve wildlife habitat cover and shelter or structure and composition		
	528	Prescribed Grazing (Acres)	E528A	Maintaining quantity and quality of forage for animal health and productivity		
			E528D	Grazing management for improving quantity and quality of food or cover and shelter for wildlife		
			E528E	Improved grazing management for enhanced plant structure and composition for wildlife		
			E528F	Stockpiling cool season forage to improve structure and composition or plant productivity and health		
			E528G	Improved grazing management on pasture for plant productivity and health with monitoring activities		
			E528H	Prescribed grazing to improve/maintain riparian and watershed function-elevated water temperature		
			E528I	Grazing management that protects sensitive areas -surface or ground water from nutrients		
			E528J	Prescribed grazing on pastureland that improves riparian and watershed function		
			E528L	Prescribed grazing that improves or maintains riparian and watershed function-erosion		
			E528M	Grazing management that protects sensitive areas from gully erosion		
			E528O	Clipping mature forages to set back vegetative growth for improved forage quality		
			E528P	Implementing Bale or Swath Grazing to increase organic matter and reduce nutrients in surface water		
			E528R	Management intensive rotational grazing		
			E528S	Soil Health Improvements on Pasture		

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Agroforestry, Forestry and Upland Wildlife Habitat	311	Alley Cropping (Acres)		None Available
	380	Windbreaks/Shelterbelt Establishment and Renovation (Feet) ^[2]		
	390	Riparian Herbaceous Cover (Acres)	E390A	Increase riparian herbaceous cover width for sediment and nutrient reduction
			E390B	Increase riparian herbaceous cover width to enhance wildlife habitat
	391	Riparian Forest Buffer (Acres)	E391A	Increase riparian forest buffer width for sediment and nutrient reduction
			E391B	Increase stream shading for stream temperature reduction
			E391C	Increase riparian forest buffer width to enhance wildlife habitat
	422	Hedgerow Planting (Feet)		None Available
	612	Tree/Shrub Establishment (Acres)	E612A	Cropland conversion to trees or shrubs for long term improvement of water quality
			E612B	Planting for high carbon sequestration rate
			E612C	Establishing tree/shrub species to restore native plant communities
			E612G	Tree/shrub planting for wildlife food
	645	Upland Wildlife Habitat Management (Acres)	E645B	Manage existing shrub thickets to provide adequate shelter for wildlife
E645C			Edge feathering for wildlife cover	

NOTES:

[1] All listed practices have quantifiable carbon sequestration and/or GHG reduction methodologies described in COMET-Planner (www.comet-planner.com). New practices will be added as science progresses and scientifically defensible quantification methodologies are identified to accompany existing and new NRCS conservation practice standards.

[2] The included Conservation Practice Standard links provide national information. Please consult the NRCS office at your local USDA Service Center for any local and state level criteria. Visit farmers.gov/service-locator to find contact information for your local office.



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