

United States Department of Agriculture





IRA and CSAF Practices

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Climate-Smart Agriculture and Forestry

Climate-smart agriculture and forestry (CSAF) is an integrated approach that enables farmers, ranchers, and forest landowners to respond to climate change by reducing or removing GHG emissions (mitigation) and adapting and building resilience (adaptation), while sustainably increasing agricultural productivity and incomes.

Mitigation addresses the <u>causes</u> of climate change, while adaptation and resilience address the <u>consequences</u> of climate change.



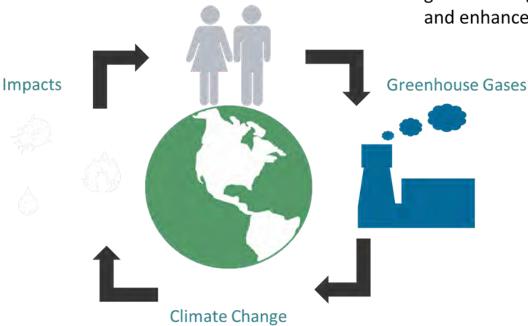
Mitigation AND Adaptation: Good conservation isn't "either-or"

Adaptation

Actions to reduce the vulnerability of systems to climate change effects.

Mitigation

Actions that reduce greenhouse gas emissions and enhance carbon sinks.





CSAF Mitigation Activity List • • • •



Climate-Smart Agriculture and Forestry (CSAF) Mitigation Activities List || FY2023



Climate Change Mitigation Practice Categories	Code	Conservation Practice Standard Mamera (units)	CSP Enhancement Code	Conservation Stewardship Program (CSP) Bundle and Enhancement Activity
			B0002FF1	Euffer Eundie #1"
			B0000CPL24	Cropland soil health management system!
Soil Health	-	-	80000CPL25	Climate smart advanced soil health!
	227	Conservation Cover (acres)	E327A	Conservation cover for pollinators and beneficial insects
			E327B	Establish Monarch butterfly habitat
	328	Conservation Crop Rotation (acres)	E328A	Resource conserving crop rotation
			E328B	Improved resource conserving crop rotation
			E328E	Soil health crop rotation
			E328F	Modifications to improve soil health and increase soil organic matter
			E329G	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
	329	Residue and Tillage Management, No Till (acres)	E329A	No till to reduce soil erosion
			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
			E340(Using cover crops for biological strip till
	245	Residue and Tillage Monotoment Padurat Till	E345A	Reduced tillage to reduce soil erosion
			E345B	Reduced tillage to reduce tillage induced particulate matter
			E2450	Districted tillnes to increase about a minhis mainture.



Conservation Planning

- Improve soil carbon, reduce nitrogen losses, or reduce, capture, avoid, or sequester carbon dioxide, methane, or nitrous oxide emissions
- Identify resource concerns, producer objectives, site conditions...



Co-benefits and systems





Prescribed Grazing (528)



Fence (382)

Stream crossing (578)

Livestock Shelter Structure (576)





Conservation crop rotation (328)



Cover Crop (340)

Irrigation water management (449)

Residue and Tillage
Management,
Reduced Till
(345)

Resources Conservation Service





Conservation crop rotation (328)



Irrigation system, micro (441)

Cover Crop (340)

Mulching (484)





Anaerobic Digester (366)

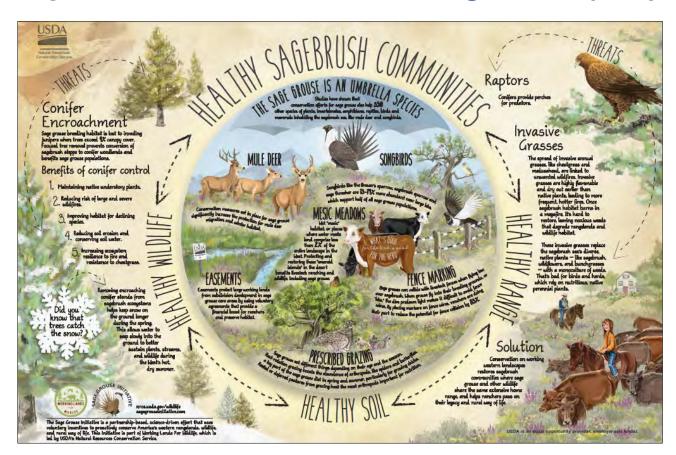


Waste separation facility (632)

Roofs and Covers (367)



Upland Wildlife Habitat Management (645)



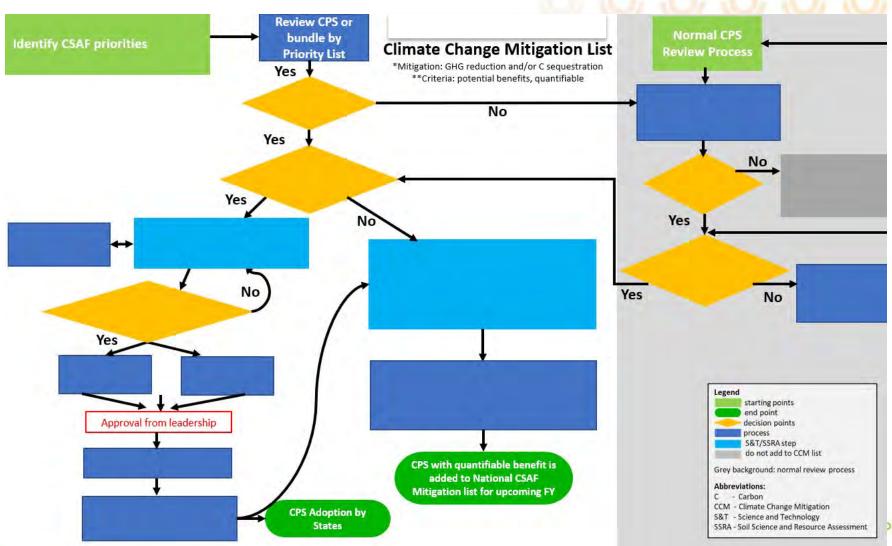
Brush Management (314)

Prescribed Burning (338)

Prescribed Grazing (528)



Evaluation Process









Feedback and Input

- Process for requesting CSAF designation for additional practices
- Development of new practices and activities



Questions?



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