

## FY2022 CSP Agricultural Lands

### Ag Applicability Question

1. Is this an Agricultural classic application that benefits cropland, pastureland, or wildlife resources in Massachusetts?

### Ag Category Question

1. Is the land included in the application located in the state of Massachusetts?
  - a. Massachusetts
  - b. Otherwise

### Ag Program Questions

1. Is the land included in the application located within the MA Source Water Protection Area?
  - a. Source Water Protection Area
  - b. Otherwise
2. At the time of the application, the applicant meets:
  - a. 3 - 5 State priority resource concern categories across ALL land uses included in the operation
  - b. 1 - 2 State priority resource concern categories across ALL land uses included in the operation
  - c. 3 - 5 State priority resource concern categories across ALL land uses included in the operation (excluding farmstead and associated ag land)
  - d. 1 - 2 State priority resource concern categories across ALL land uses included in the operation (excluding farmstead and associated ag land)
  - e. 3 - 5 State priority resource concern categories on AT LEAST ONE land use included in the operation (excluding farmstead and associated ag land)
  - f. 1 - 2 State priority resource concern categories on AT LEAST ONE land use included in the operation (excluding farmstead and associated ag land)
3. By the end of the contract, the applicant will implement ADDITIONAL activities that
  - a. Exceed the stewardship threshold for more than 3 additional resource concern categories on at least two additional land uses.
  - b. Exceed the stewardship threshold for 2 to 3 additional resource concern categories on at least two additional land uses.
  - c. Exceed the stewardship threshold for 1 additional resource concern categories on at least two additional land uses.
  - d. Exceed the stewardship threshold for more than 3 additional resource concern categories on one land use.
  - e. Exceed the stewardship threshold for 2 to 3 additional resource concern categories on one land use.
  - f. Meet the stewardship threshold for 2 – 3 additional resource concern categories on at least two land uses.
  - g. Meet the stewardship threshold for 1 additional resource concern category on at least two land uses.
  - h. Meet the stewardship threshold for 1 additional resource concern category on 1 land use.

### Ag Resource Question

1. Will the proposed project improve the water quality of any of the following:
  - a. 303D listed waters (within ¼ mile buffer)
  - b. Drinking Water: Surface Water Zones A or B, Ground Water Zone 2, and/or IWPA (within areas)
  - c. Other Water (within 300 feet upstream from streams, surface water, designated shellfish growing areas, aquifers, wells)
  - d. Otherwise

## FY2022 CSP Agricultural Lands

Ag Activities
Access Control (472)
Aquatic Organism Passage (396)
Brush Management (314)
Conservation Cover (327)
Conservation Crop Rotation (328)
Cover Crop (340)
Critical Area Planting (342)
Deep Tillage (324)
Early Successional Habitat Development (647)
Energy Efficient Agricultural Operation (374)
Fence (382)
Field Border (386)
Filter Strip (393)
Firebreak (394)
Fishpond Management (399)
Forage Harvest Management (511)
Forest Stand Improvement (666)
Forest Trails and Landings (655)
Grade Stabilization Structure (410)
Grassed Waterway (412)
Heavy Use Area Protection (561)
Hedgerow Planting (422)
Herbaceous Weed Treatment (315)
Irrigation Pipeline (430)
Irrigation System, Microirrigation (441)
Irrigation System, Surface and Subsurface (443)
Irrigation Water Management (449)
Land Smoothing (466)
Livestock Pipeline (516)
Mulching (484)
Nutrient Management (590)
Pasture and Hay Planting (512)
Pest Management Conservation System (595)
Pond (378)
Prescribed Burning (338)
Prescribed Grazing (528)
Pumping Plant (533)
Residue and Tillage Management, No Till (329)
Residue and Tillage Management, Reduced Till (345)
Restoration of Rare or Declining Natural Communities (643)
Riparian Forest Buffer (391)
Riparian Herbaceous Cover (390)
Road/Trail/Landing Closure and Treatment (654)
Roof Runoff Structure (558)
Shallow Water Development and Management (646)
Silvopasture (381)
Spring Development (574)
Sprinkler System (442)
Stormwater Runoff Control (570)
Stream Crossing (578)
Stream Habitat Improvement and Management (395)
Streambank and Shoreline Protection (580)
Structure for Water Control (587)
Structures for Wildlife (649)
Subsurface Drain (606)
Tree/Shrub Establishment (612)

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Tree/Shrub Pruning (660)
Tree/Shrub Site Preparation (490)
Underground Outlet (620)
Upland Wildlife Habitat Management (645)
Watering Facility (614)
Wetland Wildlife Habitat Management (644)
Wildlife Habitat Planting (420)
Windbreak/Shelterbelt Establishment (380)
Woody Residue Treatment (384)
Existing Activity Payment-Land Use (E300EAP1)
Existing Activity Payment-Resource Concern (E300EAP2)
Buffer Bundle#1 (B000BFF1)
Crop Bundle #18 - Precision Ag (B000CPL18)
Crop Bundle #19 - Soil Health Precision Ag (B000CPL19)
Crop Bundle #20 - Soil Health Assessment (B000CPL20)
Crop Bundle #21 - Crop Bundle (Organic) (B000CPL21)
Crop Bundle #22 - Erosion Bundle (Organic) (B000CPL22)
Crop Bundle #24 - Cropland Soil Health Management System (B000CPL24)
Forest Bundle#1 (B000FST1)
Grazing Bundle 1 - Range and Pasture (B000GRZ1)
Grazing Bundle 2 - Range and Pasture (B000GRZ2)
Grazing Bundle 3 - Range and Pasture (B000GRZ3)
Grazing Bundle 4 - Range and Pasture (B000GRZ4)
Grazing Bundle 5 - Range and Pasture (B000GRZ5)
Longleaf Pine Bundle#1 (B000LLP1)
Longleaf Pine Bundle#2 (B000LLP2)
Longleaf Pine Bundle#3 (B000LLP3)
Longleaf Pine Bundle#4 (B000LLP4)
Longleaf Pine Bundle#5 (B000LLP5)
Non-Irrigated Cropland (MRBI) (B000CPL13)
Non-Irrigated Cropland with Water Bodies (MRBI) (B000CPL16)
Non-Irrigated Cropland with Water Bodies Riparian Forest Buffer (MRBI) (B000CPL17)
Non-Irrigated Precision Ag (MRBI) (B000CPL12)
Pasture Bundle 5 (B000PST5)
Range Bundle 4 (B000RNG4)
YEAR 1 Irrigated Cropland (MRBI/Ogallala) (B000CPL10)
YEAR 1 Irrigated Precision Ag Cropland (MRBI) (B000CPL14)
YEAR 2+ Irrigated Cropland (MRBI/Ogallala) (B000CPL11)
YEAR 2+ Irrigated Precision Ag Cropland (MRBI) (B000CPL15)
Adding food-producing trees and shrubs to existing plantings (E612D)
Advanced Automated IWM – Year 1, Equipment and soil moisture or water level monitoring (E449D)
Advanced Automated IWM – Year 2-5, soil moisture monitoring (E449C)
Advanced Pumping Plant Automation (E533A)
Biochar production from woody residue (E384A)
Brush management to improve wildlife habitat (E314A)
Clipping mature forages to set back vegetative growth for improved forage quality (E528O)
Close structures to capture and retain rainfall for waterfowl and wading bird winter habitat (E646A)
Complete pumping plant evaluation for energy savings (E533B)
Complete pumping plant evaluation for water savings (E449A)
Comprehensive Conservation Plan (E199A)
Conservation cover for pollinators and beneficial insects (E327A)
Conservation crop rotation on recently converted CRP grass/legume cover (E328C)
Conservation crop rotation to reduce the concentration of salts (E328H)
Cover crop to minimize soil compaction (E340F)
Cover crop to reduce soil erosion (E340A)
Cover crop to reduce water quality degradation by utilizing excess soil nutrients (E340G)
Cover crop to suppress excessive weed pressures and break pest cycles (E340H)
Creating structural diversity with patch openings (E666K)

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Crop rotation on recently converted CRP grass/legume cover for soil organic matter improvement (E328G)
Crop tree management for mast production (E666I)
Cropland conversion to grass for soil organic matter improvement (E512C)
Cropland conversion to grass-based agriculture to reduce soil erosion (E512A)
Cropland conversion to trees or shrubs for long term improvement of water quality (E612A)
Cultural plantings (E612E)
Diversify crop rotation with canola or sunflower to provide benefits to pollinators (E328M)
Edge feathering for wildlife cover (E645C)
Eliminate use of chemical treatments to control pests and to increase the presence of dung beetles (E595E)
Enhance a grassed waterway (E412A)
Enhanced field borders to decrease particulate emissions along the edge(s) of the field (E386C)
Enhanced field borders to increase carbon storage along the edge(s) of the field (E386B)
Enhanced field borders to increase food for pollinators along the edge(s) of a field (E386D)
Enhanced field borders to increase wildlife food and habitat along the edge(s) of a field (E386E)
Enhanced field borders to reduce soil erosion along the edge(s) of a field (E386A)
Enhanced rain garden for wildlife (E570A)
Establish Monarch butterfly habitat (E327B)
Establish monarch butterfly habitat (E420B)
Establish pollinator and/or beneficial insect and/or monarch habitat (E512I)
Establish pollinator habitat (E420A)
Establish wildlife corridors to provide habitat continuity or access to water (E512J)
Establishing tree/shrub species to restore native plant communities (E612C)
Extend existing filter strip to reduce water quality impacts (E393A)
Extend retention of captured rainfall for migratory waterfowl and wading bird late winter habitat (E646B)
Facilitating oak forest regeneration (E666J)
Forage and biomass planting that produces feedstock for biofuels or energy production. (E512E)
Forage and biomass planting to reduce soil erosion or increase organic matter to build soil health (E512B)
Forage harvest management that helps maintain wildlife habitat cover, shelter or continuity (E511B)
Forage harvest to reduce water quality impacts by utilization of excess soil nutrients (E328I)
Forage plantings that help increase organic matter in depleted soils (E512D)
Forage testing for improved harvesting methods and hay quality (E511C)
Forest songbird habitat maintenance (E666R)
Grazing management for improving quantity and quality of food or cover and shelter for wildlife (E528D)
Grazing management that improves monarch butterfly habitat (E528B)
Grazing management that protects sensitive areas from gully erosion (E528M)
Grazing management that protects sensitive areas -surface or ground water from nutrients (E528I)
Harvest of crops (hay or small grains) using measures that allow desired species to flush or escape (E511A)
Herbaceous weed treatment to create plant communities consistent with the ecological site (E315A)
Implementing Bale or Swath Grazing to increase organic matter and reduce nutrients in surface water (E528P)
Improved crop rotation to provide benefits to pollinators (E328J)
Improved grazing management for enhanced plant structure and composition for wildlife (E528E)
Improved grazing management on pasture for plant productivity and health with monitoring activities (E528G)
Improved grazing management through monitoring activities (E528N)
Improved resource conserving crop rotation (E328B)
Improving nutrient uptake efficiency and reducing risk of nutrient losses (E590A)
Improving nutrient uptake efficiency and reducing risk of nutrient losses on pasture (E590C)
Improving Soil Organism Habitat on Agricultural Land (E595F)
Incorporating 'wildlife friendly' fencing for connectivity of wildlife food resources (E382A)
Incorporating wildlife refuge areas in contingency plans for wildlife. (E528C)
Increase diversity in pine plantation monocultures (E666Q)
Increase on-site carbon storage (E666H)
Increase riparian forest buffer width for sediment and nutrient reduction (E391A)

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Increase riparian forest buffer width to enhance wildlife habitat (E391C)
Increase riparian herbaceous cover width for sediment and nutrient reduction (E390A)
Increase riparian herbaceous cover width to enhance wildlife habitat (E390B)
Increase stream shading for stream temperature reduction (E391B)
Increase the size requirement of refuges planted to slow pest resistance to Bt crops (E595D)
Install variable frequency drive(s) on pump(s) (E374A)
Installing electrical fence offsets and wire for cross-fencing to improve grazing management (E382B)
Intensive cover cropping to increase soil health and soil organic matter content (E340B)
Intensive orchard/vineyard floor cover cropping to increase soil health (E340D)
Intercropping to Improve Soil Health (E328N)
Intermediate IWM – Years 1, Equipment with Soil or Water Level monitoring (E449F)
Intermediate IWM – Year 2 -5, using soil moisture or water level monitoring (E449H)
Intermediate IWM – Years 2-5, Soil or Water Level monitoring (E449G)
Leave standing grain crops unharvested to benefit wildlife (E328D)
Maintaining quantity and quality of forage for animal health and productivity (E528A)
Manage existing shrub thickets to provide adequate shelter for wildlife (E645B)
Manage livestock access to waterbodies to reduce nutrients or pathogens to surface water (E472A)
Management Intensive Rotational Grazing (E528R)
Manipulate vegetation and maintain closed structures for shorebird late summer habitat (E646D)
Manipulate vegetation and maintain closed structures for shorebirds mid-summer habitat (E646C)
Modifications to improve soil health and increase soil organic matter (E328F)
Mulching to improve soil health (E484A)
Mulching with natural materials in specialty crops for weed control (E484C)
Multiple crop types to benefit wildlife (E328K)
No till system to increase soil health and soil organic matter content (E329D)
No till to increase plant-available moisture (E329C)
No till to reduce energy (E329E)
No till to reduce soil erosion (E329A)
No till to reduce tillage induced particulate matter (E329B)
Perennial Grain Conservation Crop Rotation (E328O)
Planting for high carbon sequestration rate (E612B)
Prescribed grazing on pastureland that improves riparian and watershed function (E528J)
Prescribed grazing that improves or maintains riparian and watershed function-erosion (E528L)
Prescribed grazing to improve/maintain riparian and watershed function-elevated water temperature (E528H)
Reduce particulate matter emissions by using orchard or vineyard generated woody materials as mulch (E484B)
Reduce risk of pesticides in surface water by utilizing precision pesticide application techniques (E595A)
Reduce risk of pesticides in water and air by utilizing IPM PAMS techniques (E595B)
Reduce risks of nutrient loss to surface water by utilizing precision agriculture technologies (E590B)
Reduced tillage to increase plant-available moisture (E345C)
Reduced tillage to increase soil health and soil organic matter content (E345D)
Reduced tillage to reduce energy use (E345E)
Reduced tillage to reduce soil erosion (E345A)
Reduced tillage to reduce tillage induced particulate matter (E345B)
Reduction of attractants to human-subsidized predators in sensitive wildlife species habitat (E645A)
Resource conserving crop rotation (E328A)
Restoration of sensitive coastal vegetative communities (E643A)
Silvopasture to improve wildlife habitat (E381A)
Snags, den trees, and coarse woody debris for wildlife habitat (E666O)
Soil health crop rotation (E328E)
Sprinkler Irrigation Equipment Retrofit (E449I)
Stockpiling cool season forage to improve structure and composition or plant productivity and health (E528F)
Strategically planned, patch burning for grazing distribution and wildlife habitat (E338A)
Stream corridor bank vegetation improvement (E580B)
Stream crossing elimination (E578A)
Stream habitat improvement through placement of woody biomass (E395A)

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Sugarbush management (E612F)
Summer roosting habitat for native forest-dwelling bat species (E666P)
Switch fuel source for pump motor(s) (E374B)
Tree/shrub planting for wildlife food (E612G)
Use of body condition scoring for livestock on a monthly basis to keep track of herd health (E528Q)
Use of multi-species cover crops to improve soil health and increase soil organic matter (E340C)
Use of soil health assessment to assist with development of cover crop mix to improve soil health (E340E)
Using cover crops for biological strip till (E340I)

<b>Ag Priority Resource Concerns/Resource Concern Categories</b>
Concentrated Erosion
Degraded Plant Condition
Field Pesticide Loss
Field Sediment, Nutrient, and Pathogen Loss
Livestock Production Limitation
Pest Pressure
Soil Quality Limitations
Source Water Depletion
Terrestrial Habitat
Wind and Water Erosion