
PRACTICES - This is an alphabetical listing of common Management Practices. Each has a brief description followed by a list of Agency Assistance that can help you carry out that practice. Note those of interest so you can look them up in the **Assistance** section.

Advice and Technical Assistance

Sources of information, advice, and technical assistance relating to conservation not otherwise listed under other Practice or Assistance entries.

Available Assistance

- DNR-TAP (Technical Assistance Program)
- MDC (Missouri Department of Conservation)
- MDC Wildlife Management Assistance
- MU-O&E (Univ. of Mo. Outreach & Extension)
- MU Missouri Alternative Center
- MoWIN
- NRCS (Natural Resources Conservation Service)
- RC&D (Resource Conservation and Development Program)
- SWCD (Soil & Water Conservation Districts)
- Small Farm Family Program
- Small Farm Technical Outreach Program
- Tree Farm Program

Afforestation

see: Tree and Shrub Establishment

Agroforestry

Combining trees or shrubs as long-term production components on the same fields with traditional agricultural crops to improve overall production and diversify farm income while improving conservation. Alternative crops such as nuts, fruits, seeds, and timber are combined with continued production of crops or forages.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Agriculture Alternative Loan Program
- MDA Specialty Crop Program
- MDA Sustainable Agriculture Grants
- MDC 700 Tree/Shrub Establishment
- MDC FFA Wildlife Conservation Grants
- MDC Missouri Agroforestry Program
- MU-O&E (Univ. of Mo. Outreach & Extension)
- MU Agroforestry
- MU Missouri Alternative Center
- MU Sustainable Agriculture
- NRCS (Natural Resources Conservation Service)
- RC&D (Resource Conservation and Development Program)
- Seed & Plant Sources
- Tree Farm Program

Air Pollution Control

Practices to prevent, control, or abate air pollution.

Available Assistance

- DNR Air Pollution Control Grants
- DNR Hazardous Substance Emergency Fund
- DNR Industrial Competitiveness through Energy, Environment and Economics
- DNR Private Activity Bond Financing
- DNR Sustainable Technology Energy Partnerships
- DNR Tax Incentives for Air Pollution Control Equipment
- DNR-TAP (Technical Assistance Program)

Alternative Agriculture

Various production and harvest practices for products that fall outside traditional agriculture, focusing on sustainable use of natural resources and value-added production to enhance farm income. Examples include botanical products like echinacea and ginseng, craft materials like pine cones and grapevines; specialty wood products like knots and burls; specialty seed crops; recreational enterprises; and aquaculture.

Available Assistance

- MDA Agriculture Alternative Loan Program
- MDA Agriculture Development Fund
- MDA Specialty Crop Program
- MDA Sustainable Agriculture Grants
- MDC Missouri Agroforestry Program
- MU-O&E (Univ. of Mo. Outreach & Extension)
- MU Missouri Alternative Center
- MU Sustainable Agriculture
- Missouri Ecotype Project
- RC&D (Resource Conservation and Development Program)
- Small Farm Family Program
- Small Farm Technical Outreach Program

Alternative Forest Products

Practices to manage and sustainably harvest forest products other than timber as a way to increase financial returns of forest management. Alternative and specialty forest products include pollen, burls, cones, seeds, wild fruits, vines, and understory vegetation with commercial value.

Available Assistance

- MDA Agriculture Alternative Loan Program
- MDA Agriculture Development Fund
- MDA Missouri Value-Added Program
- MDA Specialty Crop Program
- MDA Sustainable Agriculture Grants
- MDC Missouri Agroforestry Program
- MU Missouri Alternative Center
- RC&D (Resource Conservation and Development Program)

Alternative Livestock Watering

Alternative watering sources for livestock to protect streams and ponds, and improve water quality, forest health and grazing systems. May include: solar pumps, wells, hydraulic ram pumps, waterline through existing pond, pond reconditioning, pond construction, spring development, or controlled stream access. Typically accompanies other practices such as livestock exclusion as part of a prescribed grazing system.

Available Assistance

- DNR-SWCP AgNPS/SALT Alternative Watering System
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Planned Grazing System
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Sustainable Agriculture Grants
- MDC (Missouri Department of Conservation)
- MDC 050 Alternative Watering System
- MDC FFA Wildlife Conservation Grants
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- RC&D (Resource Conservation and Development Program)
- SWCD (Soil & Water Conservation Districts)
- WHIP (Wildlife Habitat Incentives Program)

Anchored Rootwad

Stream improvement practice to increase cover and improve habitat for fish by anchoring rootwads in the main stream channel to provide scour holes and woody structure.

Available Assistance

- MDC (Missouri Department of Conservation)
- MDC 100 Anchored Rootwad
- MDC FFA Wildlife Conservation Grants
- MDC Stream Stewardship Trust Fund

Animal Composting

See: Composting Facility

Animal Waste Management

see: Composting Facility

Manure Transfer

Waste Management Systems

Waste Utilization

Aquaculture

Production of fish or other aquatic species as a commercial crop.

Available Assistance

- DNR Aquaculture
 - MDA Agriculture Alternative Loan Program
 - MDA Aquaculture
 - MDA Specialty Crop Program
 - MDC Aquaculture
 - MU Missouri Alternative Center
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Aquatic Vegetation Control

Control or management of aquatic vegetation in ponds and wetlands.

see also: Pond Management

Available Assistance

- MDC Aquatic Vegetation Control
 - MDC Purple Loosestrife Control
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Backyard Wildlife Management

see: Urban Wildlife Management

Brush Piles

Piling of brush, logging slash, or other woody debris to create hard cover where needed to improve wildlife habitat.

Considered a part of Wildlife Habitat Management/Upland.

Available Assistance

- MDC FFA Wildlife Conservation Grants
 - MDC Wildlife Management Assistance
 - NRCS (Natural Resources Conservation Service)
 - WHIP (Wildlife Habitat Incentives Program)
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Buffer Strips

see: Contour Buffer Strips
Filter Strip
Riparian Forest Buffer

Cave Management/Protection

Practices to manage or protect cave species, habitat, and geologic resources.

Available Assistance

- MDC (Missouri Department of Conservation)
 - MDC 150 Cave Gate Construction
 - MDC FFA Wildlife Conservation Grants
 - USF&WS Partners for Fish and Wildlife
 - WHIP (Wildlife Habitat Incentives Program)
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Composting Facility

A structure used to biologically treat dead animals or animal waste to prevent pollution of the environment and produce a stable material that can be used as a soil amendment.

Available Assistance

- DNR-SWCP AgNPS/SALT Composting Facility
- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Animal Facilities Loan Guarantee
- MDA Animal Waste Treatment System Loans
- MDA Sustainable Agriculture Grants
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Conservation Cover

Establishment of permanent vegetation to reduce soil erosion and sedimentation, improve water quality, and create or enhance wildlife habitat, including the establishment of cool-season grasses, native warm-season grasses, and mixtures with legumes.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Permanent Vegetative Cover / Grass
- DNR-SWCP Permanent Vegetative Cover / Legumes
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 450 Herbaceous Vegetation Establishment
- MDC FFA Wildlife Conservation Grants
- MOCREP Public Drinking Water (Conservation Reserve Enhancement Program)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources
- WHIP (Wildlife Habitat Incentives Program)

Conservation Crop Rotation

Using a variety of alternating crops to reduce erosion, manage plant nutrients and plant pests, provide food for domestic livestock, or provide food and cover for wildlife.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Sustainable Agriculture Grants
- Missouri Bootheel Partners Program
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Conservation Tillage

see: Residue Management

Constructed Wetland

Artificial wetland designed for treatment of wastewater from livestock, residential or municipal wastes, flood control or other conservation purposes.

Available Assistance

- DNR 40-Percent Construction Wastewater Grant Program
- DNR Constructed Wetlands
- DNR Private Activity Bond Financing
- DNR Public Water Company Bond Financing
- DNR Revolving Fund Loan Program
- DNR Rural Sewer Grant Program
- DNR-SWCP Loan Interest-Share Program
- MDA Animal Waste Treatment System Loans
- MDC (Missouri Department of Conservation)
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- Public Service Commission Emergency Loan Fund
- Seed & Plant Sources

Contour Buffer Strips

Alternating contoured strips of crops with narrow strips of perennial vegetation to reduce erosion and runoff, and enhance upland wildlife habitat.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP AgNPS/SALT Contour Buffer Strips
- DNR-SWCP AgNPS/SALT Contour Farming
- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC 450 Herbaceous Vegetation Establishment
- MDC FFA Wildlife Conservation Grants
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources

Contour Farming

Preparing seed beds and/or planting crops across slopes to reduce erosion and control runoff on sloping cropland and on recreation and wildlife areas; a necessary part of controlling erosion with terraces and also an element of contour stripcropping.

Available Assistance

- DNR-SWCP AgNPS/SALT Contour Buffer Strips
- DNR AgNPS/SALT Contour Farming
- DNR AgNPS/SALT Stripcropping Systems
- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Contour Stripcropping

Strips of vegetation used to reduce erosion and control runoff on sloping cropland. Typically includes establishment and maintenance of permanently or rotationally vegetated cover alternated with strips of rowcrops. Permanently vegetated field borders are a valuable component of this practice because they eliminate end rows that run up and down slopes.

Available Assistance

- DNR-SWCP AgNPS/SALT Contour Buffer Strips
- DNR-SWCP AgNPS/SALT Contour Farming
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Stripcropping Systems
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Cover and Green Manure Crop

Planting legumes and/or annual grasses to control erosion, improve the soil condition, provide pest control, and provide wildlife food and cover on cropland where additional or seasonal soil cover provides soil, water, plant, and animal benefits. Cover and green manure crops may be grazed, baled, tilled into the soil for nutrients, or left on the soil surface.

Available Assistance

- DNR-SWCP Cropland Protective Cover
- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Sustainable Agriculture Grants
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Critical Area Planting

Establishment of grasses, legumes, trees, shrubs, or vines on highly erodible or critically eroding land to stabilize soil, improve water quality, reduce erosion, and improve wildlife habitat and aesthetic resources.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Permanent Vegetative Cover on Critical Areas
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 200 Critical Area Treatment
- MDC FFA Wildlife Conservation Grants
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources
- WHIP (Wildlife Habitat Incentives Program)

Cross Wind Stripcropping

Growing crops in strips no more than 660 feet wide across the prevailing wind erosion direction alternating with strips having a protective cover.

Available Assistance

- DNR-SWCP AgNPS/SALT Stripcropping Systems
- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Cross Wind Trap Strip

Herbaceous cover resistant to wind erosion established in one or more strips across the prevailing wind erosion direction to reduce wind erosion, protect growing crops from damage by wind-borne soil particles, and provide food and cover for wildlife.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP AgNPS/SALT Stripcropping Systems
- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources

Dam, Floodwater Retarding

Single-purpose dams designed to temporarily store floodwater and runoff, and provide controlled release.

Available Assistance

- DNR Stormwater Grant Program
- MDC 200 Critical Area Treatment
- NRCS (Natural Resources Conservation Service)
- PL-566 Small Watershed Program

Dam, Multiple-Purpose

Dams constructed to provide a reservoir storage capacity for two or more purposes such as floodwater retardation, irrigation water supply, public water supply, recreation, fish, wildlife, etc.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 200 Critical Area Treatment
- MDC Community Assistance Program
- NRCS (Natural Resources Conservation Service)
- PL-566 Small Watershed Program
- RC&D (Resource Conservation and Development Program)

**Declining Habitats,
Restore/Manage**

Various practices necessary to protect, restore, enhance, or maintain rare or declining communities such as prairie, savanna, glade, wetland and riparian forests. May include control of nonnative or invasive plant species, seedbed preparation, prescribed burning, seeding, planting, and other practices.

Available Assistance

- CRP (Conservation Reserve Program)
- EQIP (Environmental Quality Incentives Program)
- Equipment on Loan
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 450 Herbaceous Vegetation Establishment
- MDC FFA Wildlife Conservation Grants
- NRCS (Natural Resources Conservation Service)
- Seed & Plant Sources
- USF & WS Candidate Conservation Program
- USF & WS Endangered Species Landowner Incentives
- USF & WS Partners for Fish and Wildlife
- WHIP (Wildlife Habitat Incentives Program)
- WRP (Wetland Reserve Program)

Dike

Construction of an embankment of earth or other suitable materials to protect land from flooding, contain water for storm water management, or create wetland habitat.

Available Assistance

- DNR Stormwater Grant Program
- EQIP (Environmental Quality Incentives Program)
- EWP (Emergency Watershed Protection Program)
- FSA (Farm Service Assistance)
- MDC 200 Critical Area Treatment
- Missouri Bootheel Partners Program
- NRCS (Natural Resources Conservation Service)
- WRP (Wetland Reserve Program)

Disking

see: Strip Disking

Diversion

A channel with a supporting ridge on the lower side constructed across the slope to protect downslope land from runoff and divert water to a stable outlet.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Diversions
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC 200 Critical Area Treatment
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Drinking Water Supply

Practices that provide, improve, or protect drinking water supply systems.

Available Assistance

- DNR Private Activity Bond Financing
- DNR Public Water Company Bond Financing
- DNR Rural Drinking Water Grant Program
- MOCREP Public Drinking Water (Conservation Reserve Enhancement Program)
- PL-566 Small Watershed Program
- Public Service Commission Emergency Loan Fund

Dry Hydrant

Installation of a pipe assembly into an adequate water source to supply water for emergency fire suppression.

Available Assistance

- MDC (Missouri Department of Conservation)
- NRCS (Natural Resources Conservation Service)
- RC&D (Resource Conservation and Development Program)

Early Successional Habitat

Various management techniques to develop or manage early successional plant communities for wildlife, or endangered plants or animals. May include prescribed burning, disking, mowing, prescribed grazing, or herbicide treatment.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC 250 Early Successional Management
- MDC 550 Prescribed Burning
- MDC FFA Wildlife Conservation Grants
- MDC Wildlife Management Assistance
- NRCS (Natural Resources Conservation Service)
- Seed & Plant Sources
- USF & WS Partners for Fish and Wildlife
- WHIP (Wildlife Habitat Incentives Program)
- WRP (Wetland Reserve Program)

Edge Feathering

see: Woody Edge Enhancement

Emergency & Disaster Recovery

Practices to respond to damage from natural disasters.

Available Assistance

- ECP (Emergency Conservation Program)
- EWP (Emergency Watershed Protection Program)
- NRCS (Natural Resources Conservation Service)

Endangered Species Management

Practices benefitting landowners while protecting species of conservation concern (rare, threatened or endangered).

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC FFA Wildlife Conservation Grants
- NRCS (Natural Resources Conservation Service)
- USF & WS Candidate Conservation Program
- USF & WS Endangered Species Landowner Incentives
- USF & WS Partners for Fish and Wildlife
- WHIP (Wildlife Habitat Incentives Program)
- WRP (Wetland Reserve Program)

Energy Conservation

Practices that improve energy conservation or efficiency, or develop energy resources.

Available Assistance

- DNR Industrial Competitiveness through Energy, Environment and Economics
- DNR Low-Income Weatherization Assistance Grants
- DNR Passive Solar Building Design
- DNR Solar Water Heating Design
- DNR Southeastern Reg. Biomass Energy Program Grants
- MDA Sustainable Agriculture Grants
- MDC 700 Tree/Shrub Establishment
- MU-O&E (Univ. of Mo. Outreach & Extension)

Equipment on Loan

Equipment available on loan to complete conservation practices. Primarily supplies specialty equipment needed for practices like Native Warm-Season Grass Establishment, Root Plowing, Tree and Shrub Planting, Wildlife Damage Control, and Prescribed Burning

Available Assistance

- Equipment on Loan
- SWCD (Soil & Water Conservation Districts)
- MDC (Missouri Department of Conservation)

Erosion Control Structures

Practices to prevent erosion due to runoff and concentrated flow.

see also: Runoff and Stormwater Management

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Diversions
- DNR-SWCP Sinkhole Improvement to Control Gully Erosion
- DNR-SWCP Sod Waterways
- DNR-SWCP Terrace Systems
- DNR-SWCP Water Impoundment Reservoirs
- DNR-SWCP Sediment Retention, Erosion, or Water Control Structures
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Farm Management

General assistance in planning, developing, or managing agricultural operations.

Available Assistance

- DNR-SWCP (Soil and Water Conservation Program)
- Farm-A-Syst
- MDC (Missouri Department of Conservation)
- MDC Missouri Agroforestry Program
- MU-O&E (Univ. of Mo. Outreach & Extension)
- MU Missouri AgrAbility Project
- MU Missouri Alternative Center
- MU Sustainable Agriculture
- NRCS (Natural Resources Conservation Service)
- RC&D (Resource Conservation and Development Program)
- SWCD (Soil & Water Conservation Districts)
- Small Farm Family Program
- Small Farm Technical Outreach Program

Farmstead Evaluation

Evaluation of farmsteads, homes, and facility areas where the potential for water contamination exists from machinery maintenance, petroleum product storage, pesticide storage or mixing, fertilizer storage, household wastewater treatment, animal wastes, or the use or storage of potentially hazardous materials. Program examples include Farm*A*Syst (MU-O&E and NRCS) and On Farm Odor/Environmental Assessment (National Pork Producers).

Available Assistance

- Farm-A-Syst
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)

Fence

see: Use Exclusion

Fescue Conversion

see: Herbaceous Vegetation Control
Native Grass Establishment

Field Border

Establishment of permanent vegetation at the edges of fields to provide wildlife food and cover, reduce erosion, reduce competition from adjacent woodlands, protect edges of fields used as turnrows or travel lanes for farm machinery, eliminate endrows, provide outlets for contour farming, and manage insects. Can include the establishment of perennial grasses and legumes, and/or shrubs.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP AgNPS/SALT Field Border
- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 450 Herbaceous Vegetation Establishment
- MDC FFA Wildlife Conservation Grants
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- WHIP (Wildlife Habitat Incentives Program)

Filter Strip

Areas of permanent herbaceous or woody vegetation that remove sediment, organic matter, or pollutants from runoff or wastewater adjacent to streams, ponds, lakes, and wetlands; at the lower edge of crop fields; above terraces or diversions; on forestland; or in any situation where water quality may be impacted by runoff.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Filter Strip
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 450 Herbaceous Vegetation Establishment
- MOCREP Public Drinking Water (Conservation Reserve Enhancement Program)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- WHIP (Wildlife Habitat Incentives Program)

Firebreak Construction

Designing, installing, and maintaining permanent firebreaks for prescribed burns or wildfire control.

Available Assistance

- Firebreak Construction
- MDC 200 Critical Area Treatment
- MDC 550 Prescribed Burning
- NRCS (Natural Resources Conservation Service)

Fish Farming

see: Aquaculture

Fish Habitat Enhancement

Practices to enhance fish habitat in streams, lakes, ponds, wetlands, or rivers, including woody debris, boulder placement, bank enhancements, fish attractors, and stocking structures.

Available Assistance

- MDC (Missouri Department of Conservation)
- MDC 100 Anchored Rootwad
- MDC 650 Stream Bank Restoration
- MDC Community Assistance Program
- MDC FFA Wildlife Conservation Grants
- MDC Stream Stewardship Trust Fund
- USF & WS Partners for Fish and Wildlife
- WHIP (Wildlife Habitat Incentives Program)

Fish Stocking

see: Pond Stocking

Food Plots

see: Wildlife Food Plots

Forage Harvest Management

The planned harvest of forages to optimize yield while maintaining vigorous plant communities and wildlife habitat.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Beef Quality Assurance Program
- MDA Missouri Hay Directory
- MDA Sustainable Agriculture Grants
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Forest Harvest

see: Timber Sales
Forest Thinning

Forest Harvest Trails and Landings

Layout, construction, use, and recovery of trails and landings needed to accommodate forest harvest according to Best Management Practices that minimize problems such as erosion, sedimentation, stream channel damage, streambank damage, or damage to vegetation or habitat.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
 - FSA (Farm Service Assistance)
 - MDC 200 Critical Area Treatment
 - MDC Forest Management Assistance
 - SWCD (Soil & Water Conservation Districts)
 - Timber Harvesting Course
 - Tree Farm Program
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Forest Insect & Disease Control

Identification and control of forest insects, diseases, or other damaging agents.

Available Assistance

- MDC Forest Management Assistance
 - MDC Forest Pest Identification and Control
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Forest Management

Establishment of a management plan for wooded or forested acreage.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
 - FIP (Forestry Incentive Program)
 - FSA (Farm Service Assistance)
 - MDC Forest Management Assistance
 - MU-O&E (Univ. of Mo. Outreach & Extension)
 - Timber Harvesting Course
 - Tree Farm Program
 - USF & WS Partners for Fish and Wildlife
 - WHIP (Wildlife Habitat Incentives Program)
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Forest Planting

see: Tree & Shrub Establishment

Forest Site Preparation

Treatments to encourage natural regeneration of desirable trees or shrubs, or permit artificial regeneration by planting or seeding, as a means to promote productive forests, prevent erosion, and maintain wildlife habitat. May include vegetation control, prescribed burning, tillage, and harvest cuts.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FIP (Forestry Incentive Program)
- MDC 900 Woodland Improvement
- Firebreak Construction
- FSA (Farm Service Assistance)
- MDC FFA Wildlife Conservation Grants
- MDC Forest Management Assistance

Forest Stand Improvement

Various forestry practices to improve timber production, understory aesthetics, wildlife habitat, and recreation; harvest forest products; and initiate forest regeneration on suitable forest lands. Examples include thinning, culling, seedbed preparation, and planting.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FIP (Forestry Incentive Program)
- FSA (Farm Service Assistance)
- MDC 900 Woodland Improvement
- MDC FFA Wildlife Conservation Grants
- MDC Forest Management Assistance
- MU-O&E (Univ. of Mo. Outreach & Extension)
- Timber Harvesting Course
- Tree Farm Program
- WHIP (Wildlife Habitat Incentives Program)

Forest Thinning

The removal of excess or non-crop trees to improve the growing space available to crop trees, or to open the stand for wildlife habitat improvement.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FIP (Forestry Incentive Program)
- FSA (Farm Service Assistance)
- MDC 900 Woodland Improvement
- MDC FFA Wildlife Conservation Grants
- MDC Forest Management Assistance
- Timber Harvesting Course
- WHIP (Wildlife Habitat Incentives Program)

Forest/Woodland Openings

see: Woody Edge Enhancement

Glade Restoration and Management

Practices that reestablish, restore or maintain glade communities as productive agricultural resources and/or natural communities and wildlife areas.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- Equipment on Loan
- Firebreak Construction
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 250 Early Successional Management. May involve disking, burning, herbicide treatment, grazing, or mowing.
- MDC 450 Herbaceous Vegetation Establishment
- MDC 550 Prescribed Burning
- MDC FFA Wildlife Conservation Grants
- Missouri Ecotype Program
- NRCS (Natural Resources Conservation Service)
- Seed & Plant Sources
- USF & WS Partners for Fish and Wildlife
- WHIP (Wildlife Habitat Incentives Program)

Grade Stabilization Structure

A structure to control gully erosion, or prevent erosion in channels and other areas of concentrated water flow. Design should include attention to improving fish and wildlife habitat and preventing water pollution.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Water Impoundment Reservoirs
- DNR-SWCP Sediment Retention, Erosion, or Water Control Structures
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC 350 Grade Stabilization Structure
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Grass Establishment

Establish perennial grasses to improve grazing, forage production, wildlife habitat, water quality, or prevent erosion or sedimentation.

see also: Conservation Cover

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Permanent Vegetative Cover / Grass
- DNR-SWCP Permanent Vegetative Cover on Critical Areas
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 250 Early Successional Management. May involve disking, burning, herbicide treatment, grazing, or mowing.
- MOCREP Public Drinking Water (Conservation Reserve Enhancement Program)
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources
- WHIP (Wildlife Habitat Incentives Program)

Grassed Waterway

A natural or constructed channel shaped or graded to required dimensions and established in suitable vegetation to convey concentrated flow runoff, including runoff collected in terraces, diversions, or other structures; without causing erosion, flooding, or damage to water quality. Wildlife benefits should be considered when selecting vegetation.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Sod Waterways
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC 200 Critical Area Treatment
- MDC 450 Herbaceous Vegetation Establishment
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources

Grazing

see: Prescribed Grazing

Gully Control

see: Critical Area Planning

Diversion

Erosion Control Structures

Grade Stabilization Structure

Grassed Waterway

Stormwater Management

Terrace

Hazardous Materials Management

Practices dealing with managing hazardous wastes and hazardous waste cleanup.

Available Assistance

- DNR Hazardous Substance Emergency Fund
 - DNR Leaking Under-ground Storage Tank Clean-up Assistance
 - DNR Private Activity Bond Financing
 - DNR-TAP (Technical Assistance Program)
 - Pesticide Container Recycling
-

Heavy Use Area Protection

To stabilize any area frequently and intensively used by live-stock, or other agricultural or recreational purposes. Typically associated with stream crossings, cattle paths or recreation areas. Components may include fencing, water control structures, gravel, crushed stone, rip-rap rock, concrete, and earth-work.

Available Assistance

- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Planned Grazing System
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 600 Reinforced Stream Crossing
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- WHIP (Wildlife Habitat Incentives Program)

Hedgerow Planting

Use of woody vegetation to delineate field boundaries, create fences or screens, establish contour guidelines, provide wildlife food and cover, or improve the landscape within, across, or around a field. May include fencing, tree or shrub planting, tree shelters, weed control, and site preparation.

Available Assistance

- CRP (Conservation Reserve Program)
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC 700 Tree/Shrub Establishment
- MDC (Missouri Department of Conservation)
- MDC FFA Wildlife Conservation Grants
- MOCREP Public Drinking Water (Conservation Reserve Enhancement Program)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources
- WHIP (Wildlife Habitat Incentives Program)

Herbaceous Vegetation Control

Remove or reduce undesirable herbaceous vegetation from natural communities by use of mechanical, chemical, biological, or other methods.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 250 Early Successional Management. May involve disking, burning, herbicide treatment, grazing, or mowing.
- MDC 400 Herbaceous Vegetation Control
- MDC Aquatic Vegetation Control
- MDC FFA Wildlife Conservation Grants
- MDC Purple Loosestrife Control
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- Pesticide Container Recycling
- SWCD (Soil & Water Conservation Districts)
- WHIP (Wildlife Habitat Incentives Program)

Herbaceous Vegetation Establishment

Establishment of wildlife-friendly legumes, perennial grasses, or native forbs to enhance wildlife habitat, improve water quality, or prevent erosion and sedimentation.

see also: **Conservation Cover**

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Permanent Vegetative Cover / Grass
- DNR-SWCP Permanent Vegetative Cover / Legumes
- DNR-SWCP Permanent Vegetative Cover Enhancement
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 250 Early Successional Management. May involve disking, burning, herbicide treatment, grazing, or mowing.
- MDC 450 Herbaceous Vegetation Establishment
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources
- WHIP (Wildlife Habitat Incentives Program)

Herbaceous Wind Barriers

Strips of grass planted and maintained to reduce wind erosion on cropland, protect growing crops from damage by wind-borne soil particles, or provide food and cover for wildlife.

Available Assistance

- DNR-SWCP AgNPS/SALT Contour Buffer Strips
- DNR-SWCP AgNPS/SALT Stripcropping Systems
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Stripcropping Systems
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC 450 Herbaceous Vegetation Establishment
- MDC FFA Wildlife Conservation Grants
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources

Herbicide / Pesticide Treatment

see: Forest Insect & Disease Control
Herbaceous Vegetation Control
Pest Management
Woody Vegetation Control

Historic Preservation

Practices that protect, preserve, or restore historic and cultural resources such as historic buildings, historic sites and archeological sites.

Available Assistance

- DNR Cultural Resource Research and Protection Grants
- DNR Historic Building Rehab. Tax Incentives
- DNR Revolving Loan Fund for Historical Properties

Integrated Crop Management (ICM)

Farming systems that improve soil and water quality; manage plant nutrients; manage economically damaging pests; manage organisms beneficial to crops, forages and the environment; and improve wildlife habitat on all land where crops and forages are produced. ICM includes the use of Conservation Crop Rotations, Nutrient Management, Pest Management, and Conservation Tillage (Residue Management).

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Sustainable Agriculture Grants
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- RC&D (Resource Conservation and Development Program)
- SWCD (Soil & Water Conservation Districts)

Irrigation System - Sprinkler

Installation of high efficiency sprinklers and nozzles which apply water directly to the plant root zone without excessive water loss, erosion, or reduction in water quality.

Available Assistance

- DNR-SWCP AgNPS/SALT Irrigation System, Sprinkler
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Irrigation System - Surface

Improvement of furrow or contour levee flood irrigation system, which may include surge valves, water distribution pads, and underground plastic pipeline for side inlet flood irrigation systems.

Available Assistance

- DNR-SWCP AgNPS/SALT Irrigation System, Surface and Subsurface
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Irrigation System - Tailwater Recovery

Systems that conserve irrigation water and water quality by collecting water runoff from surface-irrigated fields for re-use. Components may include pipelines, water control structures, earthen reservoirs, pumps and pump stations.

Available Assistance

- DNR-SWCP AgNPS/SALT Irrigation System, Tailwater Recovery
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Irrigation Water Management

Determining and controlling the rate, amount, and timing of irrigation water in a planned and efficient manner for crops or forages while minimizing losses of soil, nutrients, pesticides, water, and water quality.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Sustainable Agriculture Grants
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Lagoon

see: Waste Treatment Lagoon

Land Reclamation and Restoration

Reclamation or restoration of stripmines, landfills, and other special land-treatment areas.

Available Assistance

- DNR Land Reclamation Program

Landscaping

see: Naturescaping

Levee Removal

Removal of a levee along a stream to assist in stream stabilization, reconnect the stream to its floodplain, or improve fish/wildlife habitat.

Available Assistance

- EWP (Emergency Watershed Protection Program)
- MDC (Missouri Department of Conservation)
- MDC 500 Levee Removal
- NRCS (Natural Resources Conservation Service)
- WRP (Wetland Reserve Program)

Livestock Exclusion

see: Use Exclusion

Livestock Waste Management

see: Composting Facility

Manure Transfer

Waste Management Systems

Waste Utilization

Livestock Watering

see: Alternative Livestock Watering

Logging

see: Timber Sales

Logging Trails and Landings

see: Forest Harvest Trails and Landings

Managed Grazing

see: Prescribed Grazing

Management Intensive Grazing

see: Prescribed Grazing

Manure Management

see: Composting Facility

Manure Transfer

Waste Management Systems

Waste Utilization

Manure Transfer

Systems to transfer manure, bedding material, spilled feed, process and wash water, and other residues associated with animal production. May include pipes, agitators, manure spreaders, loaders, scrapers, gutter cleaners, and conveyors.

Available Assistance

- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Animal Facilities Loan Guarantee
- MDA Animal Waste Treatment System Loans
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Mulching

Addition of plant residue or other suitable materials to the soil surface on disturbed areas to reduce erosion, protect vegetative cover during establishment period, and reduce weed competition. Typically a component of other practices such as Critical Area Planting, Conservation Cover, Windbreaks, and Tree & Shrub Establishment.

Available Assistance

- CRP (Conservation Reserve Program)
- FSA (Farm Service Assistance)
- MDC 700 Tree/Shrub Establishment
- MDC (Missouri Department of Conservation)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Narrow Vegetative Barrier

Narrow strips of permanent stiff-stemmed vegetation established across slopes as barriers to runoff and erosion.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP AgNPS/SALT Contour Buffer Strips
- DNR-SWCP AgNPS/SALT Stripcropping Systems
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Diversions
- DNR-SWCP Sod Waterways
- DNR-SWCP Terrace Systems
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Native Grass Establishment

Establishment of native warm-season grasses to improve grazing, forage production, wildlife habitat, or restore natural communities. Especially used to convert fescue to native grasses.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Permanent Vegetative Cover / Grass
- DNR-SWCP Permanent Vegetative Cover on Critical Areas
- DNR-SWCP Planned Grazing System
- EQIP (Environmental Quality Incentives Program)
- Equipment on Loan
- FSA (Farm Service Assistance)
- Grow Native
- MDC (Missouri Department of Conservation)
- MDC 200 Critical Area Treatment
- MDC 250 Early Successional Management. May involve disking, burning, herbicide treatment, grazing, or mowing.
- MOCREP Public Drinking Water (Conservation Reserve Enhancement Program)
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources
- WHIP (Wildlife Habitat Incentives Program)

Native Grass Management

Establishment, care, and use of native grasses for livestock or forage production, or wildlife habitat.

Available Assistance

- DNR-SWCP Permanent Vegetative Cover Enhancement
- DNR-SWCP Planned Grazing System
- EQIP (Environmental Quality Incentives Program)
- Firebreak Construction
- FSA (Farm Service Assistance)
- MDA Missouri Hay Directory
- MDC (Missouri Department of Conservation)
- MDC 250 Early Successional Management. May involve disking, burning, herbicide treatment, grazing, or mowing.
- MDC 550 Prescribed Burning
- MDC FFA Wildlife Conservation Grants
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- WHIP (Wildlife Habitat Incentives Program)

Native Plant Establishment

Establishment of native plants to provide wildlife food or cover, protect streams, improve water quality, prevent erosion, or restore natural communities; including trees, shrubs, grasses, forbs and wildflowers.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Permanent Vegetative Cover / Grass
- DNR-SWCP Permanent Vegetative Cover / Legumes
- DNR-SWCP Permanent Vegetative Cover Enhancement
- DNR-SWCP Permanent Vegetative Cover on Critical Areas
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- Grow Native
- MDC 700 Tree/Shrub Establishment
- MDC (Missouri Department of Conservation)
- MDC 200 Critical Area Treatment
- MDC 250 Early Successional Management. May involve disking, burning, herbicide treatment, grazing, or mowing.
- MDC Conservation Seedlings
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources
- USF & WS Partners for Fish and Wildlife
- WHIP (Wildlife Habitat Incentives Program)

Native Plants as Crops

Agricultural production of native plants as nursery, forage, or seed crops.

Available Assistance

- Grow Native
- MDA Agriculture Alternative Loan Program
- MDA Missouri Value-Added Program
- MDA Specialty Crop Program
- MDA Sustainable Agriculture Grants
- MDC Missouri Agroforestry Program
- MU-O&E (Univ. of Mo. Outreach & Extension)
- MU Agroforestry
- MU Missouri Alternative Center
- Missouri Ecotype Program
- Seed & Plant Sources

Naturescaping

Use of native plants in landscaping and urban wildlife habitat.

Available Assistance

- Grow Native
- MDC (Missouri Department of Conservation)
- MU-O&E (Univ. of Mo. Outreach & Extension)
- Seed & Plant Sources

Nutrient Management

Techniques to minimize the entry of plant nutrients into surface and groundwater including nutrient application rates to match soil tests and projected crop needs, crediting nutrients supplied by legumes and animal wastes, analysis of yield monitor results, and trends related to field locations through global positioning systems (GPS).

Available Assistance

- DNR-SWCP AgNPS/SALT Nutrient Management
- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Sustainable Agriculture Grants
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Overseeding Lespedeza

see: Herbaceous Vegetation Establishment

Park and Recreation Development

Development or improvement of parks or recreational facilities.

Available Assistance

- DNR Recreation and Park Grants
- MDC Community Assistance Program
- MDC Tree Resource Improvement & Maintenance II (TRIM-2)

Pasture & Hayland Planting

Establishment of forages to provide permanent ground cover, improve livestock nutrition and health, extend the grazing season, or reduce soil erosion. Components include seedbed preparation, fertilizer, lime, seeding, and weed control. Native warm-season grasses and mixtures of cool-season grasses with legumes are preferred to enhance livestock and forage production while benefiting wildlife.

Available Assistance

- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Permanent Vegetative Cover / Grass
- DNR-SWCP Permanent Vegetative Cover / Legumes
- DNR-SWCP Permanent Vegetative Cover Enhancement
- DNR-SWCP Planned Grazing System
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 450 Herbaceous Vegetation Establishment
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources

Pasture and Hayland Management

see: Prescribed Grazing
Forage Harvest Management

Pest Management

Managing agricultural pests, including weeds, insects, nematodes and diseases, to reduce adverse effects on plant growth, crop production and environmental resources. A systems approach seeking the most efficient combination of cultural, mechanical, biological, and chemical controls by using crop scouting information and economic thresholds to make control and pesticide application decisions.

Available Assistance

- DNR-SWCP AgNPS/SALT Pest Management
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Sustainable Agriculture Grants
- MDC Aquatic Vegetation Control
- MDC Wildlife Damage Control
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- Pesticide Container Recycling
- SWCD (Soil & Water Conservation Districts)
- USDA Wildlife Services
- USF & WS Invasive Species Program

Pesticide Treatment

see: Pest Management
Herbaceous Vegetation Control
Woody Vegetation Control

Pond

A water impoundment made by constructing a dam or embankment, or by excavating a pit or dugout, to address water quality concerns, and provide water for livestock, fish, wildlife, recreation, fire control, irrigation, crop and orchard spraying, and related uses

Available Assistance

- DNR-SWCP AgNPS/SALT Alternative Watering System
 - DNR-SWCP Loan Interest-Share Program
 - DNR-SWCP Water Impoundment Reservoirs
 - EQIP (Environmental Quality Incentives Program)
 - FSA (Farm Service Assistance)
 - MDC 200 Critical Area Treatment
 - MDC Community Assistance Program
 - NRCS (Natural Resources Conservation Service)
 - SWCD (Soil & Water Conservation Districts)
-

Pond Management

Practices to improve fish habitat, water quality or quantity, control aquatic vegetation, regulate fish populations, stock fish, or improve recreational opportunities and fishing on ponds.

Available Assistance

- MDC Community Assistance Program
 - MDC FFA Wildlife Conservation Grants
 - MDC Pond Management
-

Pond Sealing or Lining

Installing a fixed lining of impervious material, or treating the soil in a pond mechanically or chemically, to reduce seepage losses to an acceptable level.

Available Assistance

- MDC Pond Management
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Pond Stocking

Fish for stocking new or renovated ponds.

Available Assistance

- MDC Pond Stocking

Prairie Restoration and Management

Practices that reestablish, restore or maintain native prairie communities as productive agricultural resources and/or natural communities and wildlife areas.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- Equipment on Loan
- Firebreak Construction
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 250 Early Successional Management. May involve disking, burning, herbicide treatment, grazing, or mowing.
- MDC 450 Herbaceous Vegetation Establishment
- MDC 550 Prescribed Burning
- MDC FFA Wildlife Conservation Grants
- Missouri Ecotype Program
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources
- USF & WS Partners for Fish and Wildlife
- WHIP (Wildlife Habitat Incentives Program)

Prescribed Burning

Controlled fire to improve wildlife habitat, control undesirable vegetation, improve forage, distribute grazing, stimulate grass and seed growth, reduce excessive plant residues, prepare site for planting or seeding, control plant disease, and reduce wild-fire hazard. Certified burn plans are available through local NRCS, SWCD and MDC staff.

Available Assistance

- CRP (Conservation Reserve Program)
- EQIP (Environmental Quality Incentives Program)
- Equipment on Loan
- Firebreak Construction
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 200 Critical Area Treatment
- MDC 250 Early Successional Management. May involve disking, burning, herbicide treatment, grazing, or mowing.
- MDC 550 Prescribed Burning
- MDC FFA Wildlife Conservation Grants
- NRCS (Natural Resources Conservation Service)
- Prescribed Burn Workshops
- SWCD (Soil & Water Conservation Districts)
- USF & WS Partners for Fish and Wildlife
- WHIP (Wildlife Habitat Incentives Program)

Prescribed Grazing

Planned use of grasslands to improve forage production or quality, maintain desired plant community, prevent erosion, protect water quality, and provide food and cover for wildlife. Components may include fencing and livestock water sources such as ponds, wells, spring development, troughs, tanks and pipelines.

Available Assistance

- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Planned Grazing System
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- Grazing Schools
- MDA Sustainable Agriculture Grants
- MDC (Missouri Department of Conservation)
- MDC 050 Alternative Watering System
- MDC FFA Wildlife Conservation Grants
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- WHIP (Wildlife Habitat Incentives Program)

Pumping Plant for Water Control

Pumping facilities to transfer water for a conservation purpose such as providing dependable water sources for irrigation, recreation, livestock, or wildlife, and controlling water levels for wetland management.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- NRCS (Natural Resources Conservation Service)

Recreation Area Improvement

Establishing grasses, legumes, vines, shrubs, trees, or other plants, or selectively reducing stand density and trimming woody plants to improve an area for recreational uses.

Available Assistance

- FIP (Forestry Incentive Program)
- MDC 700 Tree/Shrub Establishment
- MDC (Missouri Department of Conservation)
- MDC FFA Wildlife Conservation Grants
- MDC Tree Resource Improvement & Maintenance II (TRIM-2)
- NRCS (Natural Resources Conservation Service)
- Seed & Plant Sources

Recreation Facilities

see: Park and Recreation Development

Recreation Trail and Walkway

Applies to land where prepared paths, trails and walkways are needed for effective and safe use of recreation resources to protect soil, plant, animal, and visual resources.

Available Assistance

- DNR Trail Grants
- MDC 200 Critical Area Treatment
- NRCS (Natural Resources Conservation Service)

Recycling

Practices that promote recycling of wastes by returning them to the supply chain of raw materials or creating products or markets that use recycled materials.

Available Assistance

- DNR Market Development Financial Assistance Program
- DNR Private Activity Bond Financing
- DNR Solid Waste Management Program
- DNR Southeastern Reg. Biomass Energy Program Grants
- DNR-TAP (Technical Assistance Program)
- MU-O&E (Univ. of Mo. Outreach & Extension)
- Pesticide Container Recycling

Reforestation

See: Tree/Shrub Establishment

Reinforced Stream Crossing

Armored stream crossings and access points for livestock, vehicles, and farm equipment to provide access while protecting the stream.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 600 Reinforced Stream Crossing
- NRCS (Natural Resources Conservation Service)

Residue Management

Tillage methods that conserve the amount and distribution of plant residues on the soil to reduce erosion, and provide food and cover for wildlife. May involve No-Till, Strip Till, Mulch Till, Ridge Till, or Seasonal Till.

Available Assistance

- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP No-Till Systems
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Sustainable Agriculture Grants
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Riparian Corridor Management

see: Riparian Forest Buffer

Riparian Forest Buffer

Management of forested areas next to streams, ponds, lakes, wetlands, or groundwater recharge areas to reduce pollutants, provide shade, create wildlife habitat and corridors, or mitigate flood damage. Natural revegetation, tree and shrub planting, grass and legume establishment, and limited livestock access are some riparian forest buffer components.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP AgNPS/SALT Alternative Watering System
- DNR-SWCP AgNPS/SALT Riparian Forest Buffer
- DNR-SWCP AgNPS/SALT Streambank Stabilization
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Forest Plantation
- EQIP (Environmental Quality Incentives Program)
- FIP (Forestry Incentive Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC FFA Wildlife Conservation Grants
- MDC 300 Fencing
- MDC 650 Stream Bank Restoration
- MDC Stream Stewardship Trust Fund
- MOCREP Public Drinking Water (Conservation Reserve Enhancement Program)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Tree Farm Program
- USF & WS Partners for Fish and Wildlife
- WHIP (Wildlife Habitat Incentives Program)

Riprap

see: Rock Blankets

Rock Blankets

Blankets of loose rock or riprap applied to streambanks to halt or prevent erosion and stabilize the stream.

Available Assistance

- DNR-SWCP AgNPS/SALT Streambank Stabilization
- MDC (Missouri Department of Conservation)
- MDC 650 Stream Bank Restoration
- MDC Stream Stewardship Trust Fund
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Rock or Log Barbs

Hard points constructed of sized rock (riprap) or logs, embedded into streambanks to halt or prevent erosion and stabilize the stream.

Available Assistance

- DNR-SWCP AgNPS/SALT Streambank Stabilization
- MDC (Missouri Department of Conservation)
- MDC 650 Stream Bank Restoration
- MDC Stream Stewardship Trust Fund
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Root Pruning

see: Woody Root Pruning

Rotational Grazing

see: Prescribed Grazing

Savanna Restoration and Management

Practices that reestablish, restore or maintain savanna communities as productive agricultural resources and/or natural communities and wildlife areas.

Available Assistance

- CRP (Conservation Reserve Program)
- EQIP (Environmental Quality Incentives Program)
- Equipment on Loan
- Firebreak Construction
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 250 Early Successional Management. May involve disking, burning, herbicide treatment, grazing, or mowing.
- MDC 450 Herbaceous Vegetation Establishment
- MDC 550 Prescribed Burning
- MDC FFA Wildlife Conservation Grants
- Missouri Ecotype Program
- NRCS (Natural Resources Conservation Service)
- Seed & Plant Sources
- USF & WS Partners for Fish and Wildlife
- WHIP (Wildlife Habitat Incentives Program)

Sediment Basin

Constructing a basin for collecting and storing debris or sediment to protect reservoirs, ditches, canals, diversions, waterways, and streams.

Available Assistance

- DNR Stormwater Grant Program
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Sediment Retention, Erosion, or Water Control Structures
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Seed and Plant Sources

Sources of specialty seed and native plants used in conservation practices.

Available Assistance

- Grow Native
- MDC (Missouri Department of Conservation)
- MDC Conservation Seedlings
- MDC Wildlife Habitat Improvement Program
- MU-O&E (Univ. of Mo. Outreach & Extension)
- Missouri Ecotype Program
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources

Sewage Treatment

Practices that provide or improve sewage systems or treatment facilities.

Available Assistance

- DNR 40-Percent Construction Wastewater Grant Program
- DNR Constructed Wetlands
- DNR Private Activity Bond Financing
- DNR Public Water Company Bond Financing
- DNR Revolving Fund Loan Program
- DNR Rural Sewer Grant Program
- DNR Water Pollution Equipment Sales Tax Exemption
- DNR-TAP (Technical Assistance Program)
- Public Service Commission Emergency Loan Fund

Shallow Water for Wildlife

Create or manage areas of shallow water or moist soil to provide wildlife habitat, including open water and feeding areas for waterfowl, and fishless areas for reptiles and amphibians. May include diking, ditching, or flooding.

Available Assistance

- CRP (Conservation Reserve Program)
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC 850 Wildlife Watering Impoundment
- MDC FFA Wildlife Conservation Grants
- MDC Wildlife Management Assistance
- Missouri Bootheel Partners Program
- NRCS (Natural Resources Conservation Service)
- WHIP (Wildlife Habitat Incentives Program)
- WRP (Wetland Reserve Program)

Silvopasture

see: Agroforestry

Sinkhole Treatment

To improve the quality of water entering the groundwater system, improve chemical and nutrient management, and reduce erosion within sinkhole watersheds.

Available Assistance

- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP AgNPS/SALT Sinkhole Treatment
- DNR-SWCP Sinkhole Improvement to Control Gully Erosion
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 450 Herbaceous Vegetation Establishment
- MDC FFA Wildlife Conservation Grants
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- USF & WS Partners for Fish and Wildlife
- WHIP (Wildlife Habitat Incentives Program)

Soil Evaluation

Information useful in land-use planning, farm management, and natural resource conservation based on soil classification and testing.

Available Assistance

- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Soil Surveys
- Soil Testing

Soil Testing

Chemical and structural analysis of soil samples to determine fertility, needed amendments, or detect contamination.

Available Assistance

- MU-O&E (Univ. of Mo. Outreach & Extension)
- DNR-TAP

Spring Development

Improving springs and seeps by excavating, cleaning, capping, or providing collection and storage facilities. Primary purposes are to improve water availability and distribution for livestock or wildlife.

Available Assistance

- DNR-SWCP AgNPS/SALT Alternative Watering System
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Planned Grazing System
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC 050 Alternative Watering System
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Stormwater Management

Practices to manage stormwater runoff and delivery.

Available Assistance

- DNR Stormwater Grant Program
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Diversions
- DNR-SWCP Sod Waterways
- DNR-SWCP Terrace Systems
- DNR-SWCP Water Impoundment Reservoirs
- DNR-SWCP Sediment Retention, Erosion, or Water Control Structures
- MDC (Missouri Department of Conservation)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Stream Corridor Management

see: Riparian Forest Buffer

Stream Stabilization & Restoration

Various techniques to stabilize streams, prevent streambank erosion, maintain streambank vegetation, protect water quality, or enhance fish and wildlife habitat. May involve stream corridor fencing, stream corridor planting, streambank planting, willow staking, tree revetments, grade control structures, reinforced stream crossings, rock blankets, rip rap, rock or log barbs, or fish habitat enhancements.

Available Assistance

- DNR-SWCP AgNPS/SALT Riparian Forest Buffer
- DNR-SWCP AgNPS/SALT Streambank Stabilization
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Forest Plantation
- MDC (Missouri Department of Conservation)
- MDC 650 Stream Bank Restoration
- MDC 700 Tree/Shrub Establishment
- MDC FFA Wildlife Conservation Grants
- MDC Stream Stewardship Trust Fund
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources
- USF & WS Partners for Fish and Wildlife
- WHIP (Wildlife Habitat Incentives Program)
- WRP (Wetland Reserve Program)

Streambank Planting

Establishment of permanent vegetation along streambanks to stabilize them. May be used alone or in conjunction with other stream stabilization practices such as tree revetments or log barbs.

Available Assistance

- DNR-SWCP AgNPS/SALT Riparian Forest Buffer
- DNR-SWCP AgNPS/SALT Streambank Stabilization
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Forest Plantation
- EQIP (Environmental Quality Incentives Program)
- FIP (Forestry Incentive Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 200 Critical Area Treatment
- MDC 450 Herbaceous Vegetation Establishment
- MDC 650 Stream Bank Restoration
- MDC FFA Wildlife Conservation Grants
- MDC Stream Stewardship Trust Fund
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources

Strip Disking

Soil disturbance primarily utilizing disking to encourage early successional plant communities beneficial to certain species of wildlife.

Available Assistance

- CRP (Conservation Reserve Program)
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 250 Early Successional Management. May involve disking, burning, herbicide treatment, grazing, or mowing.
- MDC FFA Wildlife Conservation Grants
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- WHIP (Wildlife Habitat Incentives Program)

Stripcropping

see: Contour Stripcropping
Cross Wind Stripcropping

Structure for Water Control

A structure in an irrigation, drainage, natural, or other water management system to maintain a desired water source, convey water, control the direction or rate of flow, or control water levels to provide for irrigation, wildlife or recreation, or to control the movement of water in a way that protects water quality or other natural resources. May include pipe, weirs, debris screens, drainage gates, water level controls and pads, riffle and pool structures, bridges, culverts, deflectors, chutes, and others.

Available Assistance

- DNR-SWCP AgNPS/SALT Structure for Water Control
- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 800 Wetland Development
- Missouri Bootheel Partners Program
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- WRP (Wetland Reserve Program)

Surveying

Assistance to counties in conducting land surveys to establish, confirm, or update county boundaries, corners, and monument markers; and to develop land survey information systems.

Available Assistance

- DNR Cooperative Remonumentation Program
- DNR County Boundary Resurvey Program
- DNR Geodetic Control Densification Project

Sustainable Agriculture

Management systems that enhance long-term agricultural productivity and decrease dependency on nonrenewable energy sources and chemicals while protecting or improving the natural resources the operation depends on or affects.

Available Assistance

- MDA Missouri Value-Added Program
- MDA Specialty Crop Program
- MDA Sustainable Agriculture Grants
- MDC Missouri Agroforestry Program
- MU-O&E (Univ. of Mo. Outreach & Extension)
- MU Missouri AgrAbility Project
- MU Missouri Alternative Center
- MU Sustainable Agriculture
- Missouri Ecotype Program
- RC&D (Resource Conservation and Development Program)
- Small Farm Family Program
- Small Farm Technical Outreach Program

Terrace

An earthen embankment or channel, or a combination of both, constructed across the slope to reduce soil erosion, trap sediment, control runoff water, improve water quality, prevent gully development, improve farmability and reduce flooding. Runoff must be directed to a stable (non-erosive) outlet.

Available Assistance

- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Terrace Systems
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC 200 Critical Area Treatment
- MDC 800 Wetland Development
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Timber Sales

Selling timber to maximize benefits and returns to the landowner while maintaining the productivity of the forest resource.

Available Assistance

- MDC Forest Management Assistance
- Timber Harvesting Course
- Tree Farm Program

Timber Stand Improvement

see: Forest Stand Improvement

Travel Lanes

see: Wildlife Corridors

Tree & Shrub Establishment

Establishment of trees or shrubs to develop forest products; protect a watershed; provide wildlife habitat; control erosion, water pollution, or drifting snow; improve energy conservation; or beautify any area where woody plants are suited and needed.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Forest Plantation
- EQIP (Environmental Quality Incentives Program)
- Equipment on Loan
- FIP (Forestry Incentive Program)
- FSA (Farm Service Assistance)
- MDC 700 Tree/Shrub Establishment
- MDC 900 Woodland Improvement
- MDC Conservation Seedlings
- MDC FFA Wildlife Conservation Grants
- MDC Forest Management Assistance
- MDC Tree Resource Improvement & Maintenance II (TRIM-2)
- MOCREP Public Drinking Water (Conservation Reserve Enhancement Program)
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources
- Tree Farm Program
- USF & WS Partners for Fish and Wildlife
- WHIP (Wildlife Habitat Incentives Program)

Tree Revetments

Stream restoration practice used to stabilize eroding streams by anchoring trees along the eroding bank as temporary protection while permanent vegetation is reestablished.

Available Assistance

- DNR-SWCP AgNPS/SALT Streambank Stabilization
- DNR-SWCP Loan Interest-Share Program
- Equipment on Loan
- MDC (Missouri Department of Conservation)
- MDC 650 Stream Bank Restoration
- MDC FFA Wildlife Conservation Grants
- MDC Stream Stewardship Trust Fund
- SWCD (Soil & Water Conservation Districts)

Tree/Shrub Pruning

The removal of selected branches from trees or shrubs to improve the intended function of the plant, improve appearance, improve quality of wood products, or reduce a safety hazard.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FIP (Forestry Incentive Program)
- FSA (Farm Service Assistance)
- MDC 900 Woodland Improvement
- MDC Forest Management Assistance
- MU-O&E (Univ. of Mo. Outreach & Extension)
- Tree Farm Program
- WHIP (Wildlife Habitat Incentives Program)

Trough or Tank

A trough or tank, with needed devices for water control and waste water disposal, installed to provide drinking water for live-stock, and enhance grazing and grassland management.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC 050 Alternative Watering System
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Urban Forestry

Practices assisting in the planting, care, and management of urban trees.

Available Assistance

- MDC Forest Management Assistance
- MDC Tree Resource Improvement & Maintenance II (TRIM-2)

Urban Wildlife Management

Enhancement of urban landscapes as wildlife habitat, and wildlife damage control.

Available Assistance

- Grow Native
- MDC Wildlife Damage Control
- MDC Wildlife Management Assistance
- USDA Wildlife Services

Use Exclusion

Fencing, hedgerows, or other barriers used to control access by livestock or people where full or partial exclusion is desired to protect natural resources, animals, or people.

Available Assistance

- DNR-SWCP AgNPS/SALT Alternative Watering System
- DNR-SWCP AgNPS/SALT Streambank Stabilization
- DNR-SWCP AgNPS/SALT Use Exclusion
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP AgNPS/SALT Sinkhole Treatment
- DNR-SWCP Forest Plantation
- DNR-SWCP Planned Grazing System
- DNR-SWCP Woodland Protection Through Livestock Exclusion
- EQIP (Environmental Quality Incentives Program)
- Grazing Schools
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 300 Fencing
- MDC FFA Wildlife Conservation Grants
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Tree Farm Program
- WHIP (Wildlife Habitat Incentives Program)

Volunteer Labor

Sources of volunteers to implement conservation practices.

Available Assistance

- Earth Team Volunteer Program
- FFA (Mo. FFA Association)
- NRCS (Natural Resources Conservation Service)
- NWTF (National Wild Turkey Federation)

Waste Management System

To manage wastes from agricultural production or processing in a manner that prevents the degradation of air, soil, and water resources in rural areas, and protects public health and safety. Systems may include waste storage ponds, lagoons and structures, fencing, composting facilities, manure transfer, waste utilization, nutrient management, and other activities related to animal waste.

see also: Constructed Wetland

Available Assistance

- DNR Nonpoint Source Minigrants
- DNR Nonpoint Source Project Grants
- DNR Water Pollution Equipment Sales Tax Exemption
- DNR-SWCP AgNPS/SALT Composting Facility
- DNR-SWCP AgNPS/SALT Waste Management System
- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Animal Facilities Loan Guarantee
- MDA Animal Waste Treatment System Loans
- MDA Sustainable Agriculture Grants
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Waste Storage Pond

Earthen structures that store wastes, wastewater, and polluted runoff resulting from agricultural production or processing in order to reduce pollution and protect the environment. Solid and liquid wastes must be regularly removed and may be applied to crops and forages as fertilizer.

Available Assistance

- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Animal Facilities Loan Guarantee
- MDA Animal Waste Treatment System Loans
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Waste Storage Structure

A steel, concrete or earthen structure used to temporarily store liquid or solid waste as part of a pollution control or energy utilization system to conserve nutrients and energy and to protect the environment. Liquid or solid waste may be applied to crop and forage fields as organic fertilizer.

Available Assistance

- DNR-SWCP AgNPS/SALT Composting Facility
- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Animal Facilities Loan Guarantee
- MDA Animal Waste Treatment System Loans
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Waste Treatment Lagoon

A structure used to biologically treat organic waste, reduce pollution, and protect the environment. Periodic removal of organic solids is a necessary part of maintenance. Treated waste may be applied to crops and forages as fertilizer.

Available Assistance

- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Animal Facilities Loan Guarantee
- MDA Animal Waste Treatment System Loans
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Waste Utilization

Safe application of animal wastes to crops, forages, or fiber production for fertilization or enhancement of soil structure while preventing erosion and water pollution. Nutrient analysis of waste materials and nutrient application based on soil test and yield goals are components of this practice.

Available Assistance

- DNR-SWCP AgNPS/SALT Waste Management System
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDA Animal Facilities Loan Guarantee
- MDA Animal Waste Treatment System Loans
- MDA Beef Quality Assurance Program
- MDA Sustainable Agriculture Grants
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Water & Sediment Control Basin

An earth embankment or a combination ridge and channel constructed across slopes and minor watercourses to trap and collect sediment; reduce erosion, flooding, or the downslope flow of water; and protect areas from gully erosion. An outlet pipe is typically used to slowly direct runoff water to a non-erosive outlet.

see also: Sediment Basin

Available Assistance

- DNR Stormwater Grant Program
- DNR-SWCP Loan Interest-Share Program
- DNR-SWCP Water Impoundment Reservoirs
- DNR-SWCP Sediment Retention, Erosion, or Water Control Structures
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC 800 Wetland Development
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Water Pollution Control

Practices to prevent, control, or abate water pollution.

Available Assistance

- DNR 40-Percent Construction Wastewater Grant Program
- DNR Constructed Wetlands
- DNR Hazardous Substance Emergency Fund
- DNR Industrial Competitiveness through Energy, Environment and Economics
- DNR Leaking Under-ground Storage Tank Clean-up Assistance
- DNR Nonpoint Source Minigrants
- DNR Nonpoint Source Project Grants
- DNR Private Activity Bond Financing
- DNR Public Water Company Bond Financing
- DNR Revolving Fund Loan Program
- DNR Rural Sewer Grant Program
- DNR Stormwater Grant Program
- DNR Sustainable Technology Energy Partnerships
- DNR Water Pollution Equipment Sales Tax Exemption
- DNR Well Head Protection
- DNR-SWCP AgNPS/SALT Sinkhole Treatment
- DNR-SWCP AgNPS/SALT
- DNR-TAP (Technical Assistance Program)
- Farm-A-Syst
- MDA Animal Waste Treatment System Loans
- MDC 800 Wetland Development
- MOCREP Public Drinking Water (Conservation Reserve Enhancement Program)
- MoWIN
- NRCS (Natural Resources Conservation Service)
- Public Service Commission Emergency Loan Fund
- SWCD (Soil & Water Conservation Districts)

Watershed Management

Conservation practices aimed at addressing conservation issues on a watershed scale.

Available Assistance

- DNR Stormwater Grant Program
- DNR-SWCP (Soil and Water Conservation Program)
- DNR-SWCP AgNPS/SALT
- MDC (Missouri Department of Conservation)
- MOCREP Public Drinking Water (Conservation Reserve Enhancement Program)
- MoWIN
- NRCS (Natural Resources Conservation Service)
- PL-566 Small Watershed Program
- RC&D (Resource Conservation and Development Program)
- SWCD (Soil & Water Conservation Districts)
- USF & WS Partners for Fish and Wildlife

Weatherization

See: Energy Conservation

Weed/Noxious Plant Control

see: Herbaceous Vegetation Control
Woody Vegetation Control

Well Decommissioning

Wells no longer productive or used can be filled and properly plugged to protect contamination of the groundwater recharge system and eliminate safety risks.

Available Assistance

- DNR Well Head Protection
- DNR-SWCP AgNPS/SALT Well Decommissioning
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC 750 Well Plugging
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- WHIP (Wildlife Habitat Incentives Program)

Wetland Creation

Development of a wetland on a site which historically was not a wetland.

see also: Constructed Wetlands

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 800 Wetland Development
- MDC FFA Wildlife Conservation Grants
- NRCS (Natural Resources Conservation Service)
- Seed & Plant Sources
- WRP (Wetland Reserve Program)

Wetland Development

To create or improve wetland habitat by diking, ditching or flooding.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 800 Wetland Development
- MDC FFA Wildlife Conservation Grants
- Missouri Bootheel Partners Program
- NRCS (Natural Resources Conservation Service)
- Seed & Plant Sources
- WRP (Wetland Reserve Program)

Wetland Enhancement

Modification of an existing wetland to favor or improve specific wetland functions.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC FFA Wildlife Conservation Grants
- NRCS (Natural Resources Conservation Service)
- Seed & Plant Sources
- WRP (Wetland Reserve Program)

Wetland Management

see: Wildlife Habitat Management/Wetland

Wetland Restoration

Restoration of hydrology and hydrophytic plant community that occurred on a site before alteration. May include dikes, diversions, other water control structures, and the plugging or removal of drainage systems.

Available Assistance

- CRP (Conservation Reserve Program)
 - EQIP (Environmental Quality Incentives Program)
 - FSA (Farm Service Assistance)
 - MDC (Missouri Department of Conservation)
 - MDC FFA Wildlife Conservation Grants
 - MOCREP Public Drinking Water (Conservation Reserve Enhancement Program)
 - NRCS (Natural Resources Conservation Service)
 - Seed & Plant Sources
 - WHIP (Wildlife Habitat Incentives Program)
 - WRP (Wetland Reserve Program)
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Wildfire Protection

Practices that prevent or provide protection from wildfires.

Available Assistance

- Firebreak Construction
- MDC (Missouri Department of Conservation)
- Prescribed Burning

see also: **Dry Hydrant
Dam/Multipurpose**

**Wildlife Corridors and Travel
Lanes**

Areas of permanent vegetation that link areas of existing wildlife habitat to enhance wildlife's ability to move between and use the areas. Considered a practice covered by Upland Wildlife Habitat Management.

Available Assistance

- CRP (Conservation Reserve Program)
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC FFA Wildlife Conservation Grants
- MDC Wildlife Management Assistance
- NRCS (Natural Resources Conservation Service)
- Seed & Plant Sources
- WHIP (Wildlife Habitat Incentives Program)

Wildlife Damage Control

Practices to prevent or control wildlife damage to crops, property or facilities.

Available Assistance

- Equipment on Loan
- MDC Wildlife Damage Control
- USDA Wildlife Services

Wildlife Food Plantings

Areas planted specifically to produce food for wildlife and left unharvested. Considered a practice covered by Wildlife Upland Habitat Management.

Available Assistance

- CRP (Conservation Reserve Program)
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC 250 Early Successional Management. May involve disking, burning, herbicide treatment, grazing, or mowing.
- MDC 460 Landowners Assisting Wildlife Survival (LAWS)
- MDC FFA Wildlife Conservation Grants
- MDC Wildlife Habitat Improvement Program
- MDC Wildlife Management Assistance
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- WHIP (Wildlife Habitat Incentives Program)

**Wildlife Habitat Management/
Upland**

Various practices to create, maintain, or enhance wildlife habitat on uplands including cropland, grassland, woodland and non-agricultural land.

Available Assistance

- CRP (Conservation Reserve Program)
- EQIP (Environmental Quality Incentives Program)
- FFA (Mo. FFA Association)
- FSA (Farm Service Assistance)
- MDC 250 Early Successional Management. May involve disking, burning, herbicide treatment, grazing, or mowing.
- MDC 550 Prescribed Burning
- MDC FFA Wildlife Conservation Grants
- MDC Wildlife Management Assistance
- MOCREP Public Drinking Water (Conservation Reserve Enhancement Program)
- NRCS (Natural Resources Conservation Service)
- NWTf (National Wild Turkey Federation)
- Seed & Plant Sources
- USF & WS Partners for Fish and Wildlife
- WHIP (Wildlife Habitat Incentives Program)

**Wildlife Habitat Management/
Wetland**

Various practices to keep, create, or improve habitat for waterfowl, furbearers, aquatic and other wildlife on wetlands or any area where wetland hydrology and vegetation can be restored and managed.

Available Assistance

- CRP (Conservation Reserve Program)
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC 800 Wetland Development
- MDC FFA Wildlife Conservation Grants
- MDC Wildlife Management Assistance
- MOCREP Public Drinking Water (Conservation Reserve Enhancement Program)
- Missouri Bootheel Partners Program
- NRCS (Natural Resources Conservation Service)
- Seed & Plant Sources
- USF & WS Partners for Fish and Wildlife
- WHIP (Wildlife Habitat Incentives Program)
- WRP (Wetland Reserve Program)

Wildlife Watering Facility

Constructing, improving, or modifying watering places for wildlife.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC 850 Wildlife Watering Impoundment
- MDC FFA Wildlife Conservation Grants
- MDC Wildlife Management Assistance
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- WHIP (Wildlife Habitat Incentives Program)

Willow Staking

Establishment of vegetation on an unstable streambank by placing live willow stakes or poles into the bank for rapid revegetation.

Available Assistance

- DNR-SWCP AgNPS/SALT Streambank Stabilization
- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- MDC (Missouri Department of Conservation)
- MDC 650 Stream Bank Restoration
- MDC FFA Wildlife Conservation Grants
- MDC Stream Stewardship Trust Fund
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Wind Erosion Control

Practices to prevent wind erosion of soil.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP AgNPS/SALT Windbreaks
- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- FSA (Farm Service Assistance)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)

Windbreak/Shelterbreak

Rows of trees and shrubs planted to reduce soil erosion, protect growing plants, improve irrigation efficiency, provide shelter for livestock and wildlife, conserve energy, provide wildlife habitat, and improve aesthetics on any area where woody plants are suited.

Available Assistance

- CRP (Conservation Reserve Program)
- DNR-SWCP AgNPS/SALT Windbreaks
- DNR-SWCP Loan Interest-Share Program
- EQIP (Environmental Quality Incentives Program)
- MDC (Missouri Department of Conservation)
- MDC 700 Tree/Shrub Establishment
- MDC FFA Wildlife Conservation Grants
- MU-O&E (Univ. of Mo. Outreach & Extension)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- Seed & Plant Sources
- WHIP (Wildlife Habitat Incentives Program)

Woody Edge Enhancement

Using edge feathering or woodland openings to encourage low, shrubby, woody cover to provide wildlife food and cover.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- MDC 950 Woody Edge Enhancement
- MDC FFA Wildlife Conservation Grants
- MDC Wildlife Management Assistance
- NRCS (Natural Resources Conservation Service)
- WHIP (Wildlife Habitat Incentives Program)

Woody Root Pruning

Reducing competition for light, water, and nutrients in agricultural fields from adjacent woody habitat by pruning woody roots with a special root-plow. This prevents the clearing of woodlands, leaving them to provide erosion control and wildlife habitat.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- Equipment on Loan
- MDC (Missouri Department of Conservation)
- NRCS (Natural Resources Conservation Service)
- SWCD (Soil & Water Conservation Districts)
- WHIP (Wildlife Habitat Incentives Program)

Woody Vegetation Control

The reduction or elimination of woody plants from habitats where herbaceous vegetation is preferred, such as prairies, glades, savannas, wetlands, or old fields. May include forest openings on suitable sites. May involve burning, disking, plowing, bulldozing, mowing, chainsawing, or herbicides.

Available Assistance

- EQIP (Environmental Quality Incentives Program)
- MDC (Missouri Department of Conservation)
- MDC 1000 Woody Vegetation Control
- MDC 250 Early Successional Management. May involve disking, burning, herbicide treatment, grazing, or mowing.
- MDC FFA Wildlife Conservation Grants
- NRCS (Natural Resources Conservation Service)
- WHIP (Wildlife Habitat Incentives Program)