

Best Management Practices for Water Quality

Kyle Wright
USDA-NRCS Texas
State Water Quality Specialist





Who We Are

The Natural Resources Conservation Service, NRCS, provides voluntary assistance on private, nonfederal lands to help people protect:

- soil
- water
- related natural resources





Our Employees

NRCS has offices across the state:

- conservationists
- biologists
- engineers
- soil scientists
- grazing specialists
- and others







Our Approach

NRCS professionals:

- serve local people who request assistance
- promote partnership efforts
- deliver science-based information and technology







What We Do

We work one-on-one with landowners to develop conservation plans. These plans provide a roadmap of resource development opportunities for the landowner over a period of 5 to 10 years.





All NRCS Activity Starts with a \bigcirc \bigcirc \bigcirc Conservation Plan

- Site Evaluation or Inventory including identifying resource concerns
- Environmental Compliance Review
- Plan map, Soils map and Soils descriptions
- List of the landowner's conservation decisions
- Plan describing conservation practices and systems, location and schedule for implementation
- Maintenance information for installed practices





Practices Utilized in Riparian Area Conservation Work

- Riparian Forest Buffer
- Riparian Herbaceous Buffer
- Fencing
- Alternative Water Sources
- Filter Strips
- Grassed Waterways
- Prescribed Grazing
- Livestock Exclusions
- Brush Control
- Others as needed









Conservation Buffer Practices

- Contour Buffer strips
- Field Borders
- Filter Strips
- Grassed Waterways
- Riparian Forest Buffers







Residue Management Practices

- No Till
- Reduced Till



Cropland Practices



- Conservation Crop Rotation
- Nutrient Management
- Pest Management
- Terraces
- Contour Farming
- Grassed Waterway
- Residue Management
- Conservation Buffers
- Irrigation Water Management

0



Grazing Lands Practices 0 0 0 0 0

- Prescribed Grazing
- Water Source
- Conservation Buffers
- Nutrient Management
- Pest Management





Healthy Soils are the Foundation of Healthy Ecosystems







Our Programs

- Conservation
 Technical
 Assistance (CTA)
- Financial assistance through programs









EQIP

Environmental Quality Incentives Program

CSP

Conservation Stewardship Program

ACEP

Agricultural Conservation Easement Program

HFRP

Healthy Forests Reserve Program

RCPP

Regional Conservation Partnership Program

Environmental Quality Incentives Program - EQIP

- a voluntary program that provides financial and technical assistance to agricultural producers
- an opportunity to plan and implement conservation practices that improve soil, water, plant, animal, air and related natural resource concerns
- Sign-up is continuous, but applicants must meet eligibility criteria in order to be considered for funding



Natural Resources Conservation Service



EQIP Eligibility

- Be an agricultural producer
- Control or own eligible land
- Comply with Adjusted Gross Income (AGI) < \$900,000
- Comply with the Highly Erodible Land (HEL) and Wetland Conservation (WC) requirements
- Develop an NRCS EQIP plan of operations that addresses at least one natural resource concern





EQIP Contracts

- Practices will be planned and certified to meet NRCS standards and specifications
- Payments will be made on a reimbursement basis after practice completion and certification





Natural Resources Conservation Service

nrcs.usda.gov/







In accordance with Federal civil rights law and U.S. Department of Agriculture (USDA) civil rights regulations and policies, the USDA, its Agencies, offices, and employees, and institutions participating in or administering USDA programs are prohibited from discriminating based on race, color, national origin, religion, sex, gender identity (including gender expression), sexual orientation, disability, age, marital status, family/parental status, income derived from a public assistance program, political beliefs, or reprisal or retaliation for prior civil rights activity, in any program or activity conducted or funded by USDA (not all bases apply to all programs). Remedies and complaint filing deadlines vary by program or incident. Persons with disabilities who require alternative means of communication for program information (e.g., Braille, large print, audiotape, American Sign Language, etc.) should contact the responsible Agency or USDA's TARGET Center at (202) 720-2600 (voice and TTY) or contact USDA through the Federal Relay Service at (800) 877-8339. Additionally, program information may be made available in languages other than English. To file a program discrimination complaint, complete the USDA Program Discrimination Complaint Form, AD-3027, found online at How to File a Program Discrimination Complaint and at any USDA office or write a letter addressed to USDA and provide in the letter all of the information requested in the form. To request a copy of the complaint form, call (866) 632-9992.

Kyle Wright
State Water Quality Specialist
USDA NRCS
101 S. Main
Temple, TX 76501
(254) 742-9865
kyle.wright@usda.gov