



# TEXAS A&M AGRICULTURE

The Texas A&M University System

## Supporting the Mission of Fort Hood



### Sustaining Military Training Lands

Scientific best-management practices restore and maintain military training areas and rangelands, reduce water quality concerns, enhance forage resources, and protect wildlife habitat.

#### Land Management

##### Training Area Management

- Plans training exercises to reduce erosion.

##### Vegetation Assessment

- Forecasts forage conditions to manage livestock numbers.
- Assesses soil and vegetation loss.

##### Fire Modeling

- Computes current and 7-day fire behavior forecasts.
- Provides on-line maps of forage and fire dynamics.

##### Interactive mapping tools

- Visualize impacts of fire and training on endangered bird habitats.

#### Land Restoration

##### Water Quality Monitoring

- Studies water runoff impacts of adding nutrients on treated sites.

##### Vegetation Restoration

- Uses dairy manure to improve fertility as well as restore and sustain vegetation.

##### Erosion Control

- Reduces soil loss from training maneuvers and maintains the landscape.



### Off-Site Conservation Program

A cooperative conservation effort to restore and maintain rangeland habitats for two species of endangered songbirds, the Black-Capped Vireo and the Golden-Cheeked Warbler.

#### Partnership

- Brings together philosophies of landowners, conservation groups, and government for public and private land stewardship.
- Establishes a model of cooperation to recover endangered species and restore historic plant communities.

#### Implementation

- Uses research-based conservation practices of brush management, prescribed burning, and grazing management.
- Provides landowner assistance for rangeland restoration on private lands.

#### Benefits

- Contributes to recovery of endangered species.
- Increases training flexibility for Fort Hood in areas otherwise restricted by endangered species.
- Improves important watershed functions and increases forage supplies.
- Serves as a natural laboratory for research and monitoring important natural resources.



### Extension Military Program at Fort Hood

Supports military families through an educational outreach and support program.

#### Army Community Service

- Family Violence Prevention
- New Parent Support
- Financial Education/Consumer Affairs
- Relocation Assistance
- Employment Readiness
- Information Referral and Outreach
- Exceptional Family Member Program
- Mobilization and Deployment
- Volunteer Program

#### Army Substance Abuse Program

- Substance Abuse Prevention
- Employee Assistance Program
- Risk Reduction

#### Operation: Military Kids

- Military 4-H program

