

Texas A&M AgriLife Extension Service

Partnership of

- ⊙ County Commissioner Courts
- ⊙ State of Texas
- ⊙ Federal – Smith Lever



*Celebrate 100 Years
of Extending Knowledge
and Changing Lives*

visit: www.Extension100Years.net

- ⊙ With Contracts, Grants, Fee-Based Programming

Agency Staffing

- ⊙ **505 County Extension Agents** serving all 254 Counties
- ⊙ Backstopped by **190 Specialists/Program Specialists**

The 6 New Regions

North (Districts 1, 2)
 Danny Nusser – ANR
 Amarillo
 Angela Burkham – FCS
 Amarillo

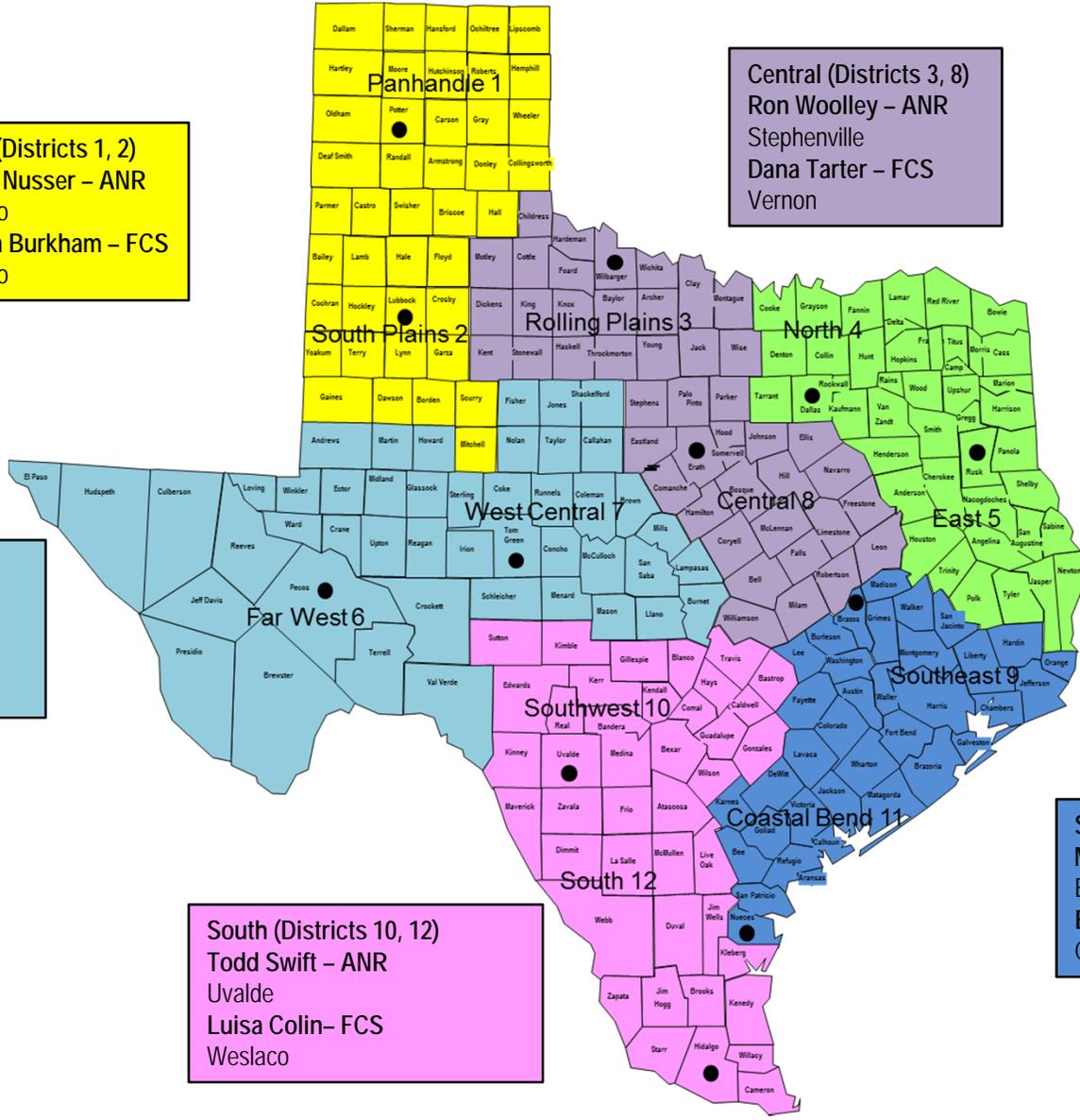
Central (Districts 3, 8)
 Ron Woolley – ANR
 Stephenville
 Dana Tarter – FCS
 Vernon

East (Districts 4, 5)
 Larry Pierce – ANR
 Overton
 Paula Butler – FCS
 Dallas

West (Districts 6, 7)
 Marvin Ensor – ANR
 San Angelo
 Judy Gully – FCS
 San Angelo

Southeast (Districts 9, 11)
 Monty Dozier – ANR
 Bryan
 Elaine Fries – FCS
 Corpus Christi

South (Districts 10, 12)
 Todd Swift – ANR
 Uvalde
 Luisa Colin- FCS
 Weslaco



12 Regional Program Leaders

- ⊙ 2 in each of the 6 Regions
 - Ag & Natural Resources
 - Family & Consumer Sciences

Responsibilities include:

- ⊙ Conduit between Agents and Specialists for Program Planning, Development, Delivery & Accountability
- ⊙ Relationships with key commodity groups/associations
- ⊙ Interpretation to elected officials (state and national)

Specialist Snapshot

- ⦿ 110 Specialists
- ⦿ 80 Program Specialists
- ⦿ 42 % off Campus
- ⦿ 58 % on Campus
(when a specialist has statewide responsibilities usually campus based)



Backstopping 505 Agents in 250 County Offices

Specialist Locations by Subject Matter Expertise

Departmentalized Units – 13

Ag Economics

Ag Engineering

Ag Leadership and Education

Animal Science

Entomology

Ecosystems Science & Management

Horticulture

Nutrition & Food Science

Plant Pathology

Poultry Science

Recreation, Parks & Tourism

Soil & Crop Sciences

Wildlife & Fisheries Sciences

Non-departmentalized – 4

Family Development & Resource Management

4-H & Youth Development

Ag & Environmental Safety

Wildlife Services

Institutes - 3

Borlaug International Ag

Renewable Natural Resources

Texas Water Resources

Subject Matter & Named Program Areas

- ⊙ **Ag Eco** – FarmAssist, MasterMarketer, Risk Analysis
- ⊙ **Ag Engineering** – Irrigation, air quality, manure management, carcass disposal
- ⊙ **ALEC** – Organizational Development, TeXas, Outcome Measures/Interpretation
- ⊙ **AES – Ag & Environmental Safety** - Pesticide Applicators
- ⊙ **An Sci** – cattle, meats, horse, sheep/goats, dairy – Quality Assurance
- ⊙ **Ento** – Integrated Pesticide Management
- ⊙ **ESSM** – ecosystems, habitat, range
- ⊙ **Hort** – fruits, vegetables, trees, EarthKind landscaping, Master Gardeners
- ⊙ **Plant Path** – disease diagnostics
- ⊙ **Poultry** – broilers, laying hens, youth turkey and chicken projects
- ⊙ **Rec, Park, Tourism** – Nature Tourism, Events Management, Hospitality
- ⊙ **Soil/Crops** – row crops, specialty crops, forages, soil fertility, irrigation
- ⊙ **WFSC** – wildlife management, habitat, ponds, streams, lakes
- ⊙ **NFS** – diet, nutrition, health
- ⊙ **FDRM** – families, health, financial literacy, childcare
- ⊙ **Institutes** – pull faculty together with similar interests

Broad Priority Areas

- ⊙ **Agriculture and Natural Resources**
- ⊙ **Human Sciences**
 - Family Development & Resource Management
 - Nutrition and Food Science
 - Family Consumer Sciences
 - 4-H & Youth Development
- ⊙ **Wildlife Services** (+ 147 FTEs)
- ⊙ **Community Resource Economic Development**

Farm Bill – Decision Aids



- ⊙ Ag and Food Policy Center & Economic Risk Analysis Specialists
 - Working for past 1 ½ years to get this ready
 - Expected rollout in June
- ⊙ Participating with FSA, SWCA & key commodity groups on early Farm Bill interpretation meetings.

Additional meetings organized by County Extension Agents to follow as regulations/guidelines are finalized.

Current Expanded Efforts - Quail

working closely with **Texas Parks and Wildlife**

- 13 applied Research projects

University of North Texas

Texas Tech

AgriLife Research & College of
Veterinary Medicine

TAMU-Kingsville



-**Quail Index Result Demonstration Counties** – up to 46

-**Quail Appreciation Days** – Multicounty – 11 locations

TEXAS A&M
AGRILIFE
EXTENSION

Reversing the
Quail Decline
Initiative

TEXAS
PARKS &
WILDLIFE

Current Expanded Efforts - WATER

- ◎ **Water Initiatives Team** – *Water Use Efficiency*
 - 4 Working Groups
- ◎ -Extension Water Education Network <http://water.tamu.edu>
- ◎ -Applied projects (12) with AgriLife Research, Engineering
- ◎ Production Ag and Urban Focused



WATER

- ⦿ **Urban/Residential**

- Texas Water Star Programs
- Sports and Athletic Fields Education (SAFE)
- EarthKind Landscaping

- ⦿ **Agricultural Production**

- Irrigation Scheduling
- Central/South Texas Evapotranspiration Network
- Watersheds – Plum Creek was the forerunner



Outputs 2013

- 1900 educational events reached 104,000

Water and our Institutes

...Texas Water Resources

...Renewable Natural Resources



- ⊙ Joint effort between *AgriLife Research & Extension*
- ⊙ Collaborative with College of Engineering
- Water Conservation Technology Center** – San Antonio
- ⊙ Serve to bring similar interests together to address issues and realize greater opportunities related to Water
 - Conservation
 - Endangered Species
 - Invasive Species
 - Riparian Management



Agricultural Production & Grand Challenges

Looking Ahead

- ⊙ Feeding Our World
- ⊙ Protecting Our Environment
- ⊙ Growing Our Economy
- ⊙ Improving Our Health
- ⊙ Enriching Our Youth

Direct relationships to:

- ⊙ Cropping Systems
- ⊙ Livestock Production
- ⊙ Wildlife and Fisheries
- ⊙ Ecosystems/Rangelands
- ⊙ With Emphasis on Urban consumers



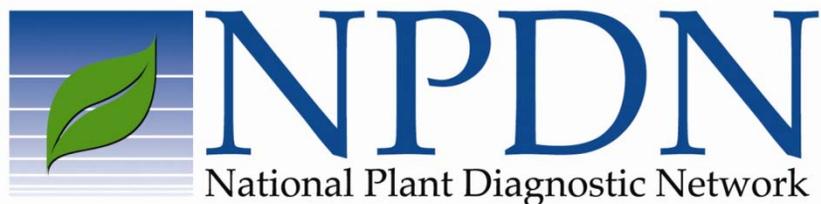
Cropping Systems

- ⊙ Soil and Crops
- ⊙ Horticulture
- ⊙ Plant Pathology
- ⊙ Biological and Ag Engineering
- ⊙ Ag & Environmental Safety – (pesticide)
- ⊙ Entomology – (IPM)



With Additional Support

- ⦿ Soil, Forage, Water Testing Lab
- ⦿ Plant Diagnostic Labs
- ⦿ Evapotranspiration Network
- ⦿ Fredericksburg Viticulture & Fruit Lab



Emphasis on Result Demonstrations, Variety Trials, Applied Research Studies



Livestock and Poultry



Commercial Egg Clinics
Egg Grader Trainings



Effective Cattle Handling



Restaurant Chains



Market Poultry Workshops



Emphasis Areas in Livestock

- ◎ **Drought**

 - education

 - members of multi-agency Tx Drought Council

- ◎ **Rebuilding the Cow Herd**

- ◎ **Beef Quality Assurance**

 - production, processing, food safety

- ◎ **Sheep & Goat – small acreage/large scale**



Wildlife & Fisheries and Wildlife Services

- ⦿ Deer, Turkey, Quail
- ⦿ Population enhancement
- ⦿ Habitat management
- ⦿ Pond quality
- ⦿ National eXtension Feral Hog CoP
- ⦿ Ranch Management University

- ⦿ Direct Control Methods
- ⦿ Predators
- ⦿ Feral Hogs aka 'Wild Pigs'



Wildlife - IRNR

Interagency Task Force on Economic Growth and Endangered Species

- Proactive multi-agency task force working together to identify and meet emerging wildlife needs



Texas Conservation Plan Dunes Sagebrush Lizard

- Conservation partnership between private lands, industry, and private NGO's to protect critical habitat as a preventative measure to listing.



Small Acreage Landowners

- Program targets working lands under 100 acres by addressing land management, tax valuation, ecotourism, risk management



Urban Consumers

We must increase urban literacy in **Agriculture**

⊙ Urban x 7 Initiative

- Water
- Environmental stewardship
- Food Systems
- Healthy Choices
- Youth emphasis (4-H, schools)

Urban x 7 is being expanded to reach out statewide to those in towns/cities who literally '*grew up on concrete*'.

Examples of Systems Approaches

⊙ Ranch Management University

- Forages and Rangelands
- Ecosystems Management
- Livestock (cattle, small ruminants, horses)
- Wildlife (deer, turkey, upland game birds)



⊙ Transforming Texas – Starr County

- building linkages between local production & consumer decision making (produce)
- focus on women's health (diet, nutrition, exercise, monitoring)
- focus on youth



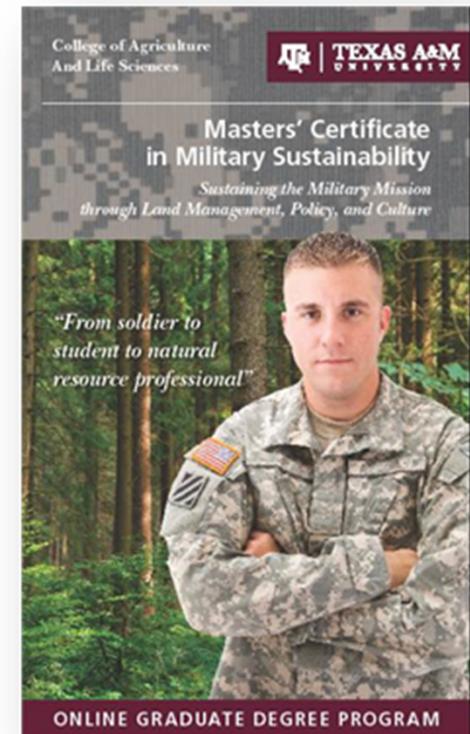
Military and Veteran Opportunities

- ⦿ **Institute of Renewable Natural Resources
Graduate Certificate in
Military Land Sustainability**

Unique graduate training program supporting veteran education and DoD natural resource professionals.

- ⦿ **Extension interest in funding & alliances
Veteran Farmer & Workforce Development**

- Confined livestock operations
- Pesticide application
- Irrigation
- Food protection management
- Large scale cropping systems workforce
- Small acreage production



Interpretative Outcome Statements

Impacts 2013 – ‘Dollars and Jobs’

- Water Savings of **1.1 billion gallons** valued at **\$3.9 million**
- Efficient use of nutrients reduced potential fertilizer application by over **9.2 million pounds**. Savings to producers - **\$5.5 million**
- State resources **leveraged by \$7.5 million in externally-funded grants** over 10 years for Watershed planning and education.
- Nutrition and food resource management reached more than 14,000 participants, with **economic benefits totaling \$4.3 million**.
- Workforce-related continuing education and certification programs delivered by AgriLife Extension **directly support more than 51,400 jobs** in Texas with an **estimated annual wage base of \$1.8 billion**.

Looking Ahead to Federal Lines of Funding

⦿ **Mandatory**

- Specialty Crop Research & Education
- Beginning Farmer and Rancher Development Program
- Water for Agriculture

⦿ **Discretionary**

- Food and Agriculture Learning Program
- Specialty Crops Research Initiative

⦿ **Reauthorization**

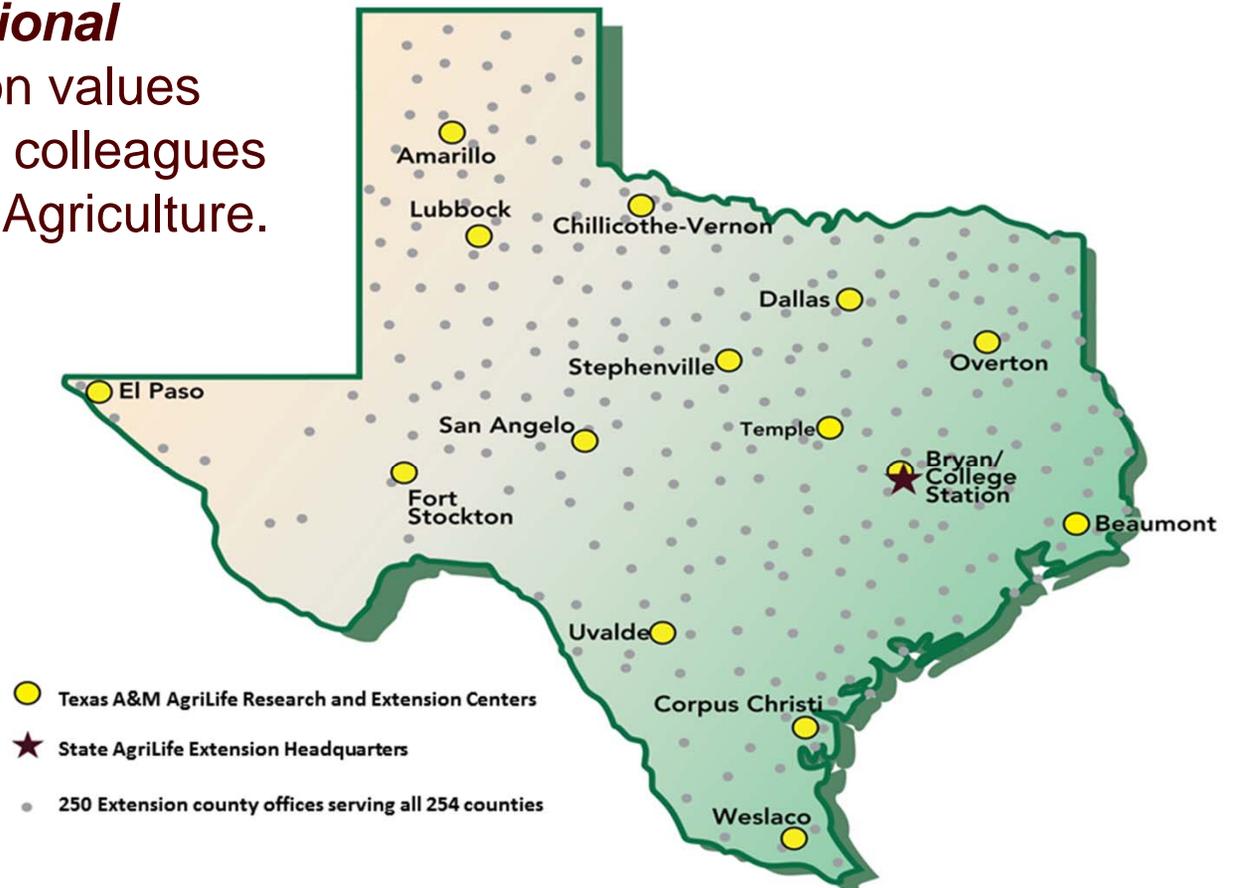
- Nutrition Education Program
- Farmer's Market & Local Food Promotion Program
- Integrated Management Systems

Relationships and Relevance

Agencies have an opportunity for increased collaboration

- ⦿ **Professional Development of employees**
 - Soil Health, Livestock, Cropping/Cover Crops, Wildlife
 - ensure consistent recommendations - research-based
- ⦿ **Co-branding on educational programs**
 - Minimize duplication of effort
 - Draw larger audiences to strategically planned programs
 - Consistent messaging on Best Management Practices

As the lead state **educational** agency, AgriLife Extension values the relationships with our colleagues and collaborators across Agriculture.



**Improving the lives of people,
businesses, and communities across
Texas and beyond through high-
quality, relevant education.**