



## Extension Education in Maverick County

# Making a Difference

The Texas A&M AgriLife Extension Service and its partners have long been dedicated to educating Texans. Extension education evolved nationwide under the 1914 federal Smith-Lever Act, which sought to extend university knowledge and agricultural research findings directly to the people. Ever since, Extension programs have addressed the emerging issues of the day, reaching diverse rural and urban populations.

In Texas, all 254 counties are served by a well-organized network of professional Extension educators and some 100,000 trained volunteers. Extension expertise and educational outreach pertain to the food and fiber industry, natural resources, family and consumer sciences, nutrition and health, and community economic development. Among

## **EXTENDING KNOWLEDGE** *Providing Solutions*

those served are hundreds of thousands of young people who benefit annually from Extension's 4-H and youth development programs.

Texans turn to Extension education for solutions. Extension agents and specialists respond not only with answers, but also with resources and services that result in significant returns on the public's investment. Extensions programs are custom-designed for each region of the state, with residents providing input and help with program delivery. Here are just a few highlights of Extension impacts on this county and its people.

## **Maverick County – Summary of 2015 Educational Contacts**

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**4-H Clubs - 6**

**4-H Club Members - 278**

**4-H Volunteers – 12**

**LAB and Youth Board Meetings – 3**

**Adjunct Faculty Agreement with Eagle Pass ISD – 1**

**Pesticide Applicators Trainings and CEU's – 3**

**4-H Newsletters posted on [maverick.agrilife.org](http://maverick.agrilife.org) – 12**

**4-H e-mails through 4-H Connect Broadcast – 3744**

**Agricultural Demonstration Plots – 2**

**AgNR Total Contacts – 15699**

**FCS Total Contacts – 12466**

**TV Interviews and Newspaper releases – 18**

**4-H Trainings, Clinics, and Workshops – 22**

## Agriculture and Natural Resources

# 2015 Maverick County Rangeland Management

**Oscar Galindo**

## Relevance

In Maverick County we have a few crop fields in the Quemado area, and in El Indio. Another agricultural business in Maverick County is the pecan orchard farming, also in Quemado and El Indio. However the majority of the land in Maverick County is open rangeland. Some of the rangeland is used for cattle, and other for wildlife game purposes. In either of these operations certain improvements should be implemented for better management, and one of them would be the use of chemicals to control brushes. Considering the primary educational needs of the ranchers in this area, the agricultural demonstrations have been based on brush control management using different chemicals, different mixtures of herbicides, and different dosages. The Agricultural Field Day was planned to orientate the clientele on different pesticides brands concerning their use, laws, regulations, and other issues. Also another important aspect to cover was farm financial assistance programs, and ranch management covered by creditable institutions.

## Response

This year the agricultural demonstrations were using different herbicides, because last year the use of the Sendero herbicide was the main chemical. This year the first agricultural demonstration consisted of 2 fence lines foliage treatments. The 2 treatments contained 2 different chemicals. The first treatment was Tordon 22K with Remedy ultra, plus the spray indicator and surfactant. The second treatment was Garlon 3A with 240SL, plus the spray indicator and surfactant. The second agricultural demonstration was a ground application on a fence line using Spike 80 DF, and the treatment was applied on both parts of the fence, I would like to thank Dr. Lyons for the help in these 2 agricultural demonstration sites, because he basically provided all the necessary resources in the projects. Also, I would like to thank Ricardo Ramos and Humberto Esquibel the ranchers that allowed us to conduct the projects in their properties.

## Agriculture and Natural Resources

The 2015 Maverick County Soil & Water Conservation Agricultural Day was conducted at the ITC Center in the month of February. It was a great event elaborated in cooperation between different local entities, and one of them was our agency Texas A&M AgriLIFE Extension. The main contributor was the local Maverick County Soil & Conservation, the Board and Chairman Mr. Mancha. The program included 5 CEU's for the attendees with pesticide applicators licenses. The survey evaluation was conducted by the USDA-NRCS, but according to personal verbal satisfaction evaluation the program was a great success.

The Program was as follows:

• Welcome	J Mancha	Maverick County SWCD
• FSA Micro loan Program	S Webb	USDA-FSA
• 2014 Farm Bill	S Aguirre	USDA-NRCS
• Irrigation Methods	J Whan	NRCS Zone 2 Engineer
• Grazing and Stoking Management	K Haby	NRCS GLCI
• Farm Vehicle Highway Safety	J Gonzalez	TDPS
• Hunting Feral Hog Regulations	J Noxon	Texas Parks & Wildlife
• New Fever Tick Regulations	D Romo	USDA-APHIS
• Pesticide Laws and Regulations	O Galindo	Texas A&M AgriLIFE
• Chemical Control of Mesquite	Dr. Lyons	Texas A&M AgriLIFE

## Results

The 2 agricultural demonstration sites will be observed during the next 3 to 10 months, to determine the efficacy between the different treatments. The final report should be completed by the end of 2016.

The 2015 Maverick County Soil & Water Conservation was a total success, with a positive response. Members of the Maverick County SWCD, and other local ranchers are already talking and making plans for the next year agricultural day.

## Future Plans

The County Extension Agent will continue working in cooperation with different local entities, and government agencies to provide valuable educational programs for our local ranching community.



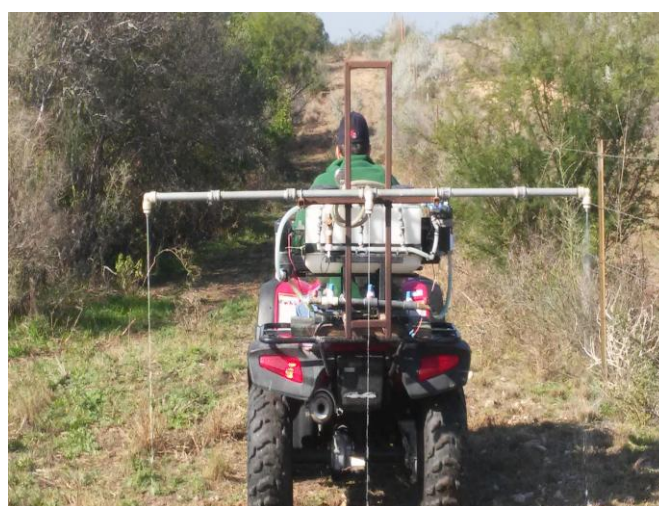
## Agriculture and Natural Resources

**The 2 fence lines used for the 2015 Agricultural Demonstrations in Maverick County, the first is in the property of Humberto Esquibel and the second in the ranch of County Attorney Ricardo Ramos. Dr. Lyons Texas A&M Agrilife Research Specialist provided all the chemicals, and we used his equipment to spray the herbicides.**



## Agriculture and Natural Resources

The chemicals combinations and equipment used in the fence lines.





## Agriculture and Natural Resources

# 2015 Maverick County General ANR

**Oscar Galindo**

## Relevance

In Maverick County most of the terrain is rangeland, many ranches still raise cattle and others changed their operation to wildlife game. Controlling the brush in their properties can increase the feeding potential of their business; even though deer can browse out of the mesquites grass contain more protein. One method of getting rid of the brush can be mechanically removing the undesirable plants, but the most practical method is using chemicals to clear any undesirable area. The applications can be over the foliage or on the ground depending on the chemical, even aerial application over extended number of acres can be an option. But in order to acquire these chemical the rancher must possess a pesticide applicators license, and to keep the license up to date must complete a number of CEU's. Also the ranchers need to receive at least once a year some qualified education, concerning new chemical, or change in laws and regulations. In Maverick County there are some other citizens that at one point might request educational presentations of Extension; one example can be a local college professor students.

## Response

The Maverick County Extension Agent during 2015 offered a series of 3 Pesticide Applicators Trainings and CEU's every other month at the beginning of the year. Also during the 2015 SWCD Agricultural Field Day CEU's were offered to the ranchers that attended the event with pesticide applicators licenses. During the agricultural field day, new pesticide applicators law and regulations were introduced to the ranchers. Also during the agricultural field day valuable information was provided to the ranchers concerning the use of herbicides, different herbicides in the market, and the equipment to apply the chemicals. The County Extension Agent provided presentations to biology students of the South West Texas Junior College in different topics of animal science, and the last one was; "Are we ready to feed the world".

## **Agriculture and Natural Resources**

### **Results**

The results in the different educational subject were positive, with the encouragement to continue providing programs to ranchers, students, and other groups of the community. Dr. Kannan biology professor from the South West Texas Junior College is been a great client of Extension, and he is very happy with the programs the County Extension Agent provided to the students. The outcome of the agricultural day was also successful, with a positive satisfaction of the attendees.

### **Future Plans**

The County Extension Agent will continue offering the Pesticide Applicators Trainings and CEU's to the local ranchers; The SWCD board is already making plans for next year agricultural day, which will also offer CEU's to the ranchers. We will also continue working with Professor Kannan of the SWTJC to provide presentations to the students.



## Family and Consumer Sciences

### Childhood Obesity In-Depth Plan- 2015 Monica Aguirre, FCS-CEP Agent, Maverick County

**Relevance:** The Maverick County Family & Consumer Sciences (FCS) committee has identified obesity and diet related diseases as a top priority for programming in Maverick County. Overweight and obesity rates among Texas adults, age 18 and over, are 65.9% of adults were overweight, with a Body Mass Index of 25 or greater, and 31.0% of adults were obese, with a Body Mass Index of 30 or greater. Adolescent overweight and obesity rates for Texans in grades 9 through 12 are: 15.6% were overweight, ( $\geq$  85th and  $<$  95th percentiles for BMI by age and sex) and 13.6% were obese ( $\geq$  95th percentile for BMI by age and sex). Finally, overweight and obesity rates among Texas children, age two to less than five are: 16.8% were overweight, (85th to  $<$ 95th percentile BMI-for-Age) and 15.3% were obese ( $\geq$ 95th percentile BMI-for-Age). Diet related diseases include coronary heart disease, hypertension and stroke, type 2 diabetes, and certain types of cancer. Poor health and diet related illness have a devastating impact on households. The annual cost associated with excess weight in Texas is approximately \$15.6 billion in 2010 and could increase to \$39 billion by the year 2040. Families in Maverick County experience economic limitations. The Bureau of Labor Statistics Maverick County Data: 30.5% of households in Maverick County are living below the poverty line vs. 17.6% in the state of Texas

**Response:** Nutrition programs were delivered throughout the year in diverse locations of Maverick County. Curriculums used include, *Live it! Real Live Nutrition for Teens*. This is a nine lesson program that provides technical and educational information to limited resources families and individuals to help them understand the importance of nutrition and diet. In addition, it heightens awareness of the relationship between high calorie food consumption and lack of exercise to health status. This program was offered to youth of junior high and high school age. *Another curriculum utilized is, Choose Health: Food, Fun, and Fitness (CHFFF)*. This is comprehensive nutrition and fitness curriculum composed of six hands-on lessons for 8-12-year-olds (3rd-6th graders). Developed by Cornell University's Division of Nutritional Sciences in collaboration with Cornell Cooperative Extension's 4-H Youth Development Program, CHFFF uses experiential learning to teach healthy eating and active play, targeting behaviors research shows to be most important for preventing childhood obesity and chronic disease. Topics include replacing sweetened drinks with low-fat milk and water, eating more vegetables, fruits, and whole grains, eating fewer high-fat and high-sugar foods, and playing actively 60 minutes a day. Programming efforts throughout the year include:

## Family and Consumer Sciences

- *Ciclovía*, conducted as the inauguration of the Border Bi-national Health Week. The purpose of this endeavor is to promote lifestyle behavior changes through sustained physical activity and to create an environment which is supportive of a community's need for ongoing recreational activity.
- Let's Get Fit Summer program delivered at the Kickapoo reservation and at the City of Eagle Pass multipurpose center during the months of June, July and August.
- Nutrition program during school hours during Physical Education classes, Career and Technology classes and Health classes. Campuses included: Liberty Elementary, Memorial Junior High, CC Winn High School and Parent Education Program for pregnant teens.
- Marketing efforts included radio interviews, newspaper ads, flyers, and outreach to community partners.
- Programs were planned and coordinated with community partners that are members of the HOPE-K Tri-national health Council. The HOPE-K THC serves communities from Eagle Pass, Texas, Piedras Negras, Mexico and the Kickapoo Nation. Collaborators assisted in advertising, and securing locations, materials and participants to programs. Eagle Pass ISD, Kickapoo Reservation and City of Eagle Pass multipurpose center donated their facilities as well as food for recipes and assisted with logistical support.
- Retrospective post evaluations were completed for the nutrition classes and Lets Get Fit classes.

## Results:

Common Measure surveys were completed by the majority of program participants . Data from 120 participants of CC Winn High school nutrition program held in December are not available. In-depth plan in 2015 yielded **2694 contacts and 1466.76 hours**. Significant survey results are noted below.

### *Findings from 90 participant group, 96.6% Hispanic:*

I learned what makes up a balanced diet

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Strongly agree	37	41.1	41.6	41.6
	Agree	44	48.9	49.4	91.0
	Disagree	7	7.8	7.9	98.9

## Family and Consumer Sciences

### I learned how to make healthy food choices

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Strongly agree	49	54.4	54.4	54.4
	Agree	33	36.7	36.7	91.1
	Disagree	7	7.8	7.8	98.9
	Strongly disagree	1	1.1	1.1	100.0
	Total	90	100.0	100.0	

### Being active is good for me

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	I agree	82	91.1	94.3	94.3
	I'm not sure	5	5.6	5.7	100.0
	Total	87	96.7	100.0	
Missing	System	3	3.3		
Total		90	100.0		

*Findings from 258 participant group, 972.% Hispanic and 2.8 Native American:*

### I learned what makes up a balanced diet

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Strongly agree	104	40.3	40.6	40.6
	Agree	137	53.1	53.5	94.1
	Disagree	14	5.4	5.5	99.6
	Strongly disagree	1	.4	.4	100.0
	Total	256	99.2	100.0	
Missing	System	2	.8		
Total		258	100.0		

## Family and Consumer Sciences

I learned how to make healthy food choices

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Strongly agree	139	53.9	54.1	54.1
	Agree	107	41.5	41.6	95.7
	Disagree	9	3.5	3.5	99.2
	Strongly disagree	2	.8	.8	100.0
	Total	257	99.6	100.0	
Missing	System	1	.4		
Total		258	100.0		

Being active is good for me

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	I agree	241	93.4	93.8	93.8
	I'm not sure	15	5.8	5.8	99.6
	I do not agree	1	.4	.4	100.0
	Total	257	99.6	100.0	
Missing	System	1	.4		
Total		258	100.0		

Initiation of Heroes for  
Health nutrition series at  
CC Winn High School  
health classes



Promoting healthy snack  
and diet related disease  
prevention at Ciclovía  
with partnership with  
Maverick County Hospital  
District



## Family and Consumer Sciences

**Fourth Annual, Lets Get Fit  
summer nutrition and exercise  
program.**



**Color My Plate 5K color run  
at Kickapoo Reservation**



**Discussing healthy snacks  
at Kickapoo reservation**



**Border Tri-national Health Week , Ciclovía  
at Maverick County Lake. Partnered with  
Border Patrol and DSHS providing bike  
safety training and free bike helmets**



**Nutrition program at Liberty Elementary Approximately 208 5 & 6 grade  
students are actively participating in nutrition series to maintain a healthy  
weight and prevent diet related diseases**



## Family and Consumer Sciences





## Family and Consumer Sciences

### **Dimmit County Joint In-Depth Plan 2015 Food Protection Management – Food Handler’s Program Monica Aguirre, FCS-CEP Agent, Maverick County**

#### **Relevance**

Each year, an estimated 1 in 6 people become ill from the food they eat. Common symptoms of foodborne disease include nausea, vomiting, diarrhea, abdominal cramping, fever, and headache. While some people may view this as a mere case of “food poisoning” foodborne illness has serious health and economic consequences. In fact, foodborne illnesses from five pathogens alone (Campylobacter, Salmonella, Listeria monocytogenes, E. coli O157:H7, and E. coli non-O157:H7 STEC) cost more than \$6.9 billion in medical expenses, lost productivity, and even death. All of us are at risk for foodborne illness, but older adults, pregnant women, young children, individuals with chronic disease, and those with a compromised immune system are at an increased risk. Because nearly half of our food dollars are spent on foods eaten away from home, it is imperative that employees who work in retail food service handle food safely.

#### **Response**

To meet the need for quality food safety education in Texas retail food establishments, the Food Protection Management (FPM) program was developed. Our two-day certified food manager program prepares food service workers to sit for the state Certified Food Manager exam. Our 2-hour food handler program, which is accredited by the Department of State Health Services, trains front-line food service workers on the basic principles of food safety. Both programs are conducted at the county level by Extension agents.

#### **Results**

During 2015, 14 youth in 4-H from Dimmit County participated in the FPM program and completed the food handler program. Nine participants completed the pre and post test. Change in knowledge (pre vs post) was used to evaluate the food handler program. In addition, client (customer) satisfaction surveys were collected from participants.

Roughly 77.8% of participants were female and 22.2% were male. One reported as Hispanic, 6 Caucasian and 2 other. All were 4-H youth under the age of 18. English was the preferred language for all participants.

## Family and Consumer Sciences

Listing of Individual Pre and Post Test Scores with Demographics

	Your gender	Your age	Your preferred language	Your highest level of education completed	Have you ever worked in food service?	How long have you worked in food service?	Have you ever had any training in food safety?	Pre Test Score	Post Test Score
1	Female	Less than 18	English	Less than HS	No	.	No	67	80
2	Male	Less than 18	English	Less than HS	No	.	Yes	53	67
3	Female	Less than 18	English	Less than HS	No	.	No	47	100
4	Male	Less than 18	English	Less than HS	No	.	Yes	80	93
5	Female	Less than 18	English	Less than HS	No	.	Yes	87	93
6	Female	Less than 18	English	Less than HS	No	.	Yes	100	100
7	Female	Less than 18	English	Less than HS	No	.	Yes	87	100
8	Female	Less than 18	English	Less than HS	No	.	No	40	60
9	Female	Less than 18	English	Some college	No	.	No	33	20

### Client satisfaction with Food Handler course instruction

Overall, how satisfied were you with the program?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid				
Very satisfied	6	66.7	66.7	66.7
Satisfied	2	22.2	22.2	88.9
Neither Satisfied nor Dissatisfied	1	11.1	11.1	100.0
Total	9	100.0	100.0	

\*\* Based on participant surveys received and entered for 10/18/2015. The client satisfaction survey was given at the end of the training while the survey that assessed client characteristics was given separately (at the beginning).

Summary: The food handlers program was successful in helping participants (4-H youth) increase their knowledge about food safety as it pertains to their Food and Nutrition project.



## Family and Consumer Sciences

### Money Management In-Depth Plan- Welcome to the Real World 2015 Monica Aguirre, FCS-CEP Agent, Maverick County

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**Relevance:** Welcome to the Real World is curriculum developed to help youth make smart financial decisions and maintain financial stability. It is an experiential learning program that allows young people the opportunity to learn about personal finance through real-life learning experiences without the real-world consequences. The interactive, hands-on, real-life simulation provides youth the opportunity to explore career opportunities and make lifestyle and budget choices similar to those adults face on a daily basis. According to a 2008 nationwide survey conducted by the Jump\$tart Coalition for Personal Financial Literacy, high school seniors, on average, correctly answered only 48.3 percent of questions about personal finance and economics. That was even lower than the 52.4 percent in the previous survey in 2006 and marked the worst score out of the six surveys conducted so far. According to a 2011 Teens and Money Survey, 86 percent of teens say that they would rather learn about money management in a class before making mistakes in the real world. As per the, Bureau of Labor Statistics Maverick County Data: Unemployment rate in Maverick County is 11.4% and 30.5% of households in Maverick County are living below the poverty line vs. 17.6% in the state of Texas

**Response:** Program series is conducted in collaboration with Eagle Pass ISD and Kickapoo Traditional Tribe of Texas who provided location and facilitated program delivery in the classroom setting. The Money Management program is a six lecture series offered to youth in a classroom setting at Memorial Junior High, Eagle Pas High School, Kickapoo Reservation and Parent Education Program for pregnant teens. Series Modules include: Explore careers; Investigate how career choices can be influenced by education and other factors; Make consumer choices related to future independent living; Learn skills needed to manage their finances; Evaluate their success in managing their monthly income and expenses; Explore alternatives to balance a budget

**Results:** Out of 67 participants who submitted surveys, 63 reported their ethnicity to be Hispanic, 1 African American, 1 White, 1 Native American, 1 did not report. Results from financial literacy program held at the Kickapoo reservation are not available. Nineteen youth participated in said program. In-depth plan in 2015 yielded **1017 contacts and 211.57 hours**. Significant survey results are noted below

## Family and Consumer Sciences

Findings from 21 participant group:

Table: Pre Means, Post Means & Percent Change

	Your understanding of . . .	Mean Before	Mean After	Percent Change
1	<i>How to use a register to keep track of transactions.</i>	1.86	3.48	54.0%
2	<i>Importance of Paying Yourself First (saving).</i>	2.24	3.81	52.3%
3	<i>How to create and follow a spending plan (budget).</i>	2.20	3.70	50.0%
4	<i>Balancing income and expenses.</i>	1.95	3.43	49.3%
5	<i>Difference between Wants and Needs.</i>	2.50	3.75	41.7%
6	<i>Relationship between education - careers and potential earnings..</i>	2.24	3.62	46.0%
7	<i>Effects of student loan debt on your future budget.</i>	2.00	3.52	50.7%

Percent Change = ((Post Mean - Pre Mean) / 3) \* 100

How likely are you to complete my education so that I can reach my career goals?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Does not apply	1	4.8	4.8
	I already do this	1	4.8	9.5
	Definitely will	15	71.4	81.0
	Probably will	4	19.0	100.0
	Total	21	100.0	100.0

Findings from a 46 participant group

Table: Pre Means, Post Means & Percent Change

	Your understanding of . . .	Mean Before	Mean After	Percent Change
1	<i>How to use a register to keep track of transactions.</i>	2.13	3.67	51.3%
2	<i>Importance of Paying Yourself First (saving).</i>	2.52	3.76	41.3%
3	<i>How to create and follow a spending plan (budget).</i>	2.33	3.76	47.7%
4	<i>Balancing income and expenses.</i>	2.48	3.75	42.3%
5	<i>Difference between Wants and Needs.</i>	2.85	3.74	29.7%
6	<i>Relationship between education - careers and potential earnings..</i>	2.78	3.78	33.3%
7	<i>Effects of student loan debt on your future budget.</i>	2.47	3.69	40.7%

Percent Change = ((Post Mean - Pre Mean) / 3) \* 100

## Family and Consumer Sciences

7c. How likely are you to complete my education so that I can reach my career goals?

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	I already do this	5	10.9	11.1	11.1
	Definitely will	33	71.7	73.3	84.4
	Probably will	5	10.9	11.1	95.6
	Undecided	2	4.3	4.4	100.0
	Total	45	97.8	100.0	
Missing	System	1	2.2		
	Total	46	100.0		



## Family and Consumer Sciences

### Maverick 4-H Family & Consumer Sciences–CEP 2015 Outreach Plan Monica Aguirre, FCS-CEP Agent, Maverick County

**Relevance:** Texas 4-H is like a club for kids and teens ages 5-18. It's the largest youth development program in Texas with more than 550,000 youth each year. Maverick County has approximately 300 youth enrolled in 4-H and has four active clubs

**Response:** Assist Maverick County 4-H members and District 12 with 4-H efforts such as Food Show, Food Challenge, Fashion Show, Photography Contest, Leadership Lab, Election Convention, and Record book Judging

**Results:** Assisted with the Maverick County Food Show and District 12 Food Show in Alice, TX. In addition traveled to Falfurrias, TX to work at the District 12 Fashion Show. Worked with West Cluster to plan and host the Leadership Lab and Election Convention in Uvalde, TX for District 12 4-H members and assisted with State record Book Judging in Pearsall, TX . Twenty-six contacts and 131 hours were dedicated to this plan, to include workshops and competitions.

District 12 Fashion Show in  
Falfurrias, TX

District 12 ,  
4H  
Leadership  
Lab &  
Election  
Convention



Maverick County Food Show

District Food Show was held in Alice, TX





## Family and Consumer Sciences

### **Maverick County Outreach Plan 2015** **Food Protection Management – Food Handler’s Program** **Monica Aguirre, FCS-CEP Agent, Maverick County**

#### **Relevance**

Each year, an estimated 1 in 6 people become ill from the food they eat. Common symptoms of foodborne disease include nausea, vomiting, diarrhea, abdominal cramping, fever, and headache. While some people may view this as a mere case of “food poisoning” foodborne illness has serious health and economic consequences. In fact, foodborne illnesses from five pathogens alone (Campylobacter, Salmonella, Listeria monocytogenes, E. coli O157:H7, and E. coli non-O157:H7 STEC) cost more than \$6.9 billion in medical expenses, lost productivity, and even death. All of us are at risk for foodborne illness, but older adults, pregnant women, young children, individuals with chronic disease, and those with a compromised immune system are at an increased risk. Because nearly half of our food dollars are spent on foods eaten away from home, it is imperative that employees who work in retail food service handle food safely.

#### **Response**

To meet the need for quality food safety education in Texas retail food establishments, the Food Protection Management (FPM) program was developed. Our two-day certified food manager program prepares food service workers to sit for the state Certified Food Manager exam. Our 2-hour food handler program, which is accredited by the Department of State Health Services, trains front-line food service workers on the basic principles of food safety. Both programs are conducted at the county level by Extension agents.

#### **Results**

During 2015, approximately 66 individuals participated in the FPM program and completed the food handler course during various sessions offered throughout Maverick County. These locations included the Kickapoo Reservation, Las Colonias Head Start and the Eagle Pass ISD Parent and Community Education Center. Sixty-six participants completed the pre and post test. Change in knowledge (pre vs post) was used to evaluate the food handler program. In addition, client (customer) satisfaction surveys were collected from participants.

Roughly 83.1% of the participants were female and 16.9% were male. Participants reported race/ethnicity as follow: 84.8% Hispanic, 10.6% Caucasian, 1.5% African American, 3% as other

## Family and Consumer Sciences

List of Activities Included in the Results

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	AGUIRRE, MONICA * FOOD HANDLER CLASS * 10-27-15	15	22.7	22.7	22.7
	AGUIRRE, MONICA * FOOD HANDLER COURSE * 01-21-15	13	19.7	19.7	42.4
	AGUIRRE, MONICA * FOOD HANDLER COURSE * 01-30-15	21	31.8	31.8	74.2
	AGUIRRE, MONICA * FOOD HANDLER COURSE * 10-18-15	9	13.6	13.6	87.9
	AGUIRRE, MONICA * FOOD HANDLERS COURSE * 09-16-15	8	12.1	12.1	100.0
	Total	66	100.0	100.0	

Your gender

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Male	11	16.7	16.9	16.9
	Female	54	81.8	83.1	100.0
	Total	65	98.5	100.0	
Missing	System	1	1.5		
Total		66	100.0		

Your race/ethnicity

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	African American	1	1.5	1.5	1.5
	Hispanic	56	84.8	84.8	86.4
	Caucasian	7	10.6	10.6	97.0
	Other	2	3.0	3.0	100.0
	Total	66	100.0	100.0	

\*\*\*\*\* PCT ANSWERING CORRECTLY, PRE & POST \*\*\*\*\*

% %

## Family and Consumer Sciences

Question	Correct Pre	Correct Post
8. Which of the following about serving food is true?	82%	88%
9. Which of the following best describes proper hand and arm washing?		86% 92%
10. The removal of dirt, soil, food or grease is known as . . .	52%	83%
11. Which of the following statements about hand washing is true?		92% 97%
12. Which of the following is an example of a ready-to-eat (RTE) food?	88%	98%
13. Which of the following foods would NOT be considered potentially hazardous?		52% 80%
14. Cross contamination happens when safe food comes into contact with:		85% 94%
15. Which of the following statements best describes the Temperate* Danger Zone?		47% 76%
16. Which of the following is an example of cross contamination?	79%	92%
17. All of the following are acceptable tools for handling ready-to-eat foods EXCEPT:		64% 89%
18. When should a food thermometer be calibrated?	61%	89%
19. Which of the following is the best example of maintaining personal hygiene?		45% 79%
20. A person working with food should immediately tell his/her supervisor/boss if he/she has:		50% 70%
21. Generally speaking a foodborne outbreak involves how many people?		27% 88%
22. Food can be contaminated by . . .	74%	91%

**\*\* Based on participant surveys received and entered. The client satisfaction survey was given at the end of the training while the survey that assessed client characteristics was given separately (at the beginning).**

### Overall, how satisfied were you with the program?

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	Very satisfied	56	84.8	86.2
	Satisfied	5	7.6	93.8
	Neither Satisfied nor Dissatisfied	1	1.5	95.4
	Not applicable	3	4.5	100.0
	Total	65	98.5	100.0
Missing	System	1	1.5	
Total		66	100.0	

Summary: The food handlers program was successful in helping participants (foodservice employees) increase their knowledge about food safety as it pertains to the retail setting.

## Family and Consumer Sciences

### Parenting –Strengthening Families 2015 Outreach Plan Monica Aguirre, FCS-CEP Agent, Maverick County

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#### Relevance:

The Strengthening Families Program is a six module parenting education series designed for parents of school-aged children. This research-based educational program was developed to help parents strengthen their relationship and equip them with the skills needed to effectively raise their children. Researchers have identified several factors that are common to strong families, including effective parent and child communication, problem-solving skills, and a sense of purpose. Successful families frequently consider their strengths and weaknesses and take steps to improve their home and family environment.

Between 2006 and 2010, 33% of households in Maverick County were comprised of single parent families. That percentage accounts for 5,888 families in Maverick County. The poverty rate of Maverick County residents under the age of 18 has been estimated at 35.5%. (2) Unemployment rate in Maverick County in 2015, according to the Maverick County Development Corporation is 11.7%

#### Response:

Program series was conducted by Monica Aguirre, Maverick County FCS-CEP Agent. Hosting agencies and volunteers assisted with logistics by securing location and announcing the series via Maverick County AgriLife website, flyers, letters and phone calls.

The Parenting-Strengthening Families program is a lecture series offered to parents referred by Child Protective Services and the Eagle Pass Independent School District campuses and at the Head Start programs.

- Parenting-Strengthening Families is a parenting curriculum that uses interactive methodologies to reach parents via PowerPoint presentations and discussions.
- Parents were presented with materials including handouts to help facilitate successful parenting programs that will prove to be effective for parenting.

#### Series Module:

- Developmental Expectations and Stress Management
- Goals, Objectives, and Rewards
- High Risk Kids and Communication
- Communication II, Problem Solving, and Giving Directions



## Family and Consumer Sciences

- Limit Setting
- Implementing the Behavior Plan and Maintaining Good Behavior

### Results:

Five hundred and seventy five contacts were made and 1776 educational hours were conducted in the delivery of this program. The series will continue to be offered to the community.

Parents who are consistent, respectful, involved and serve as positive role models increase their children's potential for success and help prevent delinquent behavior during the adolescent and teen years. Reducing or eliminating delinquent behavior can have a significant impact on the families and legal system.

## 4-H and Youth Development

# 2015 Maverick County 4-H Program Management

**Oscar Galindo**

## Relevance

The Maverick County 4-H Program is an important after school educational resource for our kids in the community, different programs should make it more attractive for the local families. The livestock show projects is been one of the more important activities for the 4-H kids, and the High School kids working with the FFA program could make a great difference. Starting with the 4-H program at early age in school can develop a positive attitude toward after school activities, not only with livestock projects but in any other 4-H activity. The County Extension Agent as 4-H Coordinator is committed to support, promote, assist, and add new 4-H programs for our kids in the community.

## Response

In Maverick County we have 5 Chartered 4-H Clubs; The Eagle Pass 4-H Club, the Riverside 4-H Club, the Quemado 4-H Club, the Southside 4-H Club, and the 4-H Council of Maverick County. The 4-H Council of Maverick County is in charge of all the county wide 4-H operations. The most important function of the 4-H Council is managing the funds received through donations of different local businesses, like Tractor Supply, Stripes Stores, and the MCJLS. They also make the decision on how to utilize those funds equally among all the 4-H Clubs, and their main priority are the scholarships for the 4-H Seniors that will attend college. The funds can be also used to financially help the 4-H kids that exhibit their animal projects at the major livestock shows, to acquire livestock equipment, and to assist the 4-H kids that attend 4-H events. The 4-H Banquet is administered by a separate committee that collects donations from local businesses and depending on the amount collected is what we serve in the banquet. Our web page contains the 4-H Newsletter that is posted all the time by the first of the month, plus some other useful publications. During the summer the County Extension Agent dedicates some of the time to promote the 4-H. This year we participated at the Eagle Pass back to school fair, the 4<sup>TH</sup> of July Parade, the City of Eagle Pass summer camp, some 4-H banners were place around town, and the 4-H enrollment was announced in the local newspaper.

## 4-H and Youth Development

### Results

Due to the strong promotion during the summer of the 4-H program the number of enrollment has been increased slowly but steady, probably the implementation of new programs like the Maverick County Shooting Sports Archery and Rifle helped raising the enrollment. Also new events that award the effort of the kids throughout the 4-H year helped improving the 4-H, like the 4-H Banquet, and the 4-H Clubs Christmas Parties. The 4-H Banquet was a great event for our 4-H Families, our guest speaker was once again Judith Canales USDA-FSA State Director that strongly support our 4-H program. During the event was also present the USDA-NRCS the Texas Mexico Border Coalition, and some Maverick County Elected Officials. The County Extension Agent was present during the two Scholarship Nights at the Eagle Pass Complex Center, the Eagle Pass High School and the CC Winn High School. We had the privilege to hand out 8 scholarships to 4-H Seniors already enrolled for college. The 4-H Council also financially assisted the 4-H kids that attended the major livestock shows, and the County Extension Agent also transported some of the animals to the major livestock shows. I would like to mention that for the 2016 livestock season the 4-H have more than 60 entries, comparing to less than 20 of 2015.

### Future Plans

The County Extension Agent will continue attending all the 4-H Club meetings, and the MCJLS meetings, also working together with the agriculture teachers, volunteers, and any other group willing to benefit the 4-H.

## 4-H and Youth Development

**The 2015 Maverick County 4-H Awards Recognition Banquet at the Eagle Pass High School Cafeteria, and our guest speaker Judith Canales USDA – FSA State Director**







## 4-H and Youth Development

### The Eagle Pass 4-H Club at one of their meetings



### The Southside 4-H Club at one of the meetings



## 4-H and Youth Development

# 2015 Maverick Youth and Livestock

## Oscar Galindo

### Relevance

The Maverick County Extension Agent is committed to work in coordination with different groups, and committees, to benefit the youth in our community. Maverick County even though is a growing community; we still have the roots of ranchers and cattleman's. Showing animals in the local livestock shows or even at the major livestock shows still the most important activity in 4-H and FFA. The livestock show animal projects of the kids demand a lot of work; from acquiring their animals, clinics, validations, to complete all the requirements to show.

### Response

The County Extension Agent attended all the MCJLS Association meetings, to be aware of all the actions made by the association concerning the livestock show. Consequently, all the information was delivered to our 4-H kids during the 4-H meetings. The livestock show program is coordinated between the MCJLS, the agriculture teachers, the County Extension Agent, and volunteers in all the aspects of the activity. The livestock show projects activities of the 4-H kids also included all the clinics, validations, and the participation of our kids at the major livestock shows. Another important part of the livestock show project is completing the points to show, and they need to attend at least 3 meetings, 2 community services, and any other activity approved by the 4-H Club Managers. These other activities can be completing the record book, prospect shows, helping at validations, and feast of shearing, 4-H Day, and some others. We also offer several practice days throughout the feeding periods of the 4-H animal projects, here in the show barn.

### Results



## 4-H and Youth Development

For the 2015 major livestock shows the Maverick County 4-H Livestock program participate with about 20 animals of all competitive species, for the 2016 we have more than 60 animals for the major livestock shows. The numbers are dramatically growing, and hopefully the numbers of our kids placing at the majors can also grow. Another number that went up was the dollar amount at the 2015 MCJLS, from about \$ 280,000 to about \$ 360,000 that is almost one hundred thousand dollars more. The number of lambs, goats, steers, and hogs were a little increased this year, especially the hogs because we had about 20 more this year. The Steer Clinic provided by in coordination between the County Extension Agent, the MCJLS, and Rogelio Mercado Jim Wells CEA was a great educational experience for the 4-H and FFA kids. The County Extension Agent offered the Lamb and Goat Clinic for the 4-H kids, and we had a good attendance with valuable information for the kids. The 2015 Muy Grande Lamb and Goat Prospect Show was a great event, with the participation of over 70 lambs and goats most of them from neighboring counties. This year the MCJLS Association organized the 2015 MCJLS Muy Grande Cook- Off with the participation of 15 teams from different parts of Texas. Two of our 4-H Kids were among the top in the State of Texas Sanctioned Lamb and Goat Competition, and they had to compete in almost 13 prospect shows around the State. Also some of our 4-Hers obtained different ribbons and buckles in different prospect shows, proving the high quality of experience of some of our 4-H exhibitors.

## Future Plans

The County Extension Agent will continue working with the MCJLS Association, the agriculture teachers, volunteers, and any other group willing to benefit our youth. We have a lot of work with the great number of 4-H animal projects, but we will get them going. Hopefully we will bring back many good places from the major livestock shows this next year. During the feeding period of the 4-H animal projects we will continue offering clinics, practice days at the show barn, and help the kids as they need.



## 4-H and Youth Development

### The Grand Champions of the 2015 Maverick County Junior Livestock Show.



## 4-H and Youth Development

# 2015 Maverick County 4-H Project Education Plan

**Oscar Galindo**

## Relevance

The Texas A&M AgriLIFE Extension main purpose of the program is to educate and support the community in different beneficial topics, that can make the difference in the well being of our youth. The Extension 4-H program can offer a wide variety of fun and educational projects to improve the knowledge, skills, and positive moral values of our youth. Every 4-H project requires the effort of the 4-H parents, 4-H volunteers, and 4-H kids that promotes family time, and team work.

## Response

The Maverick County 4-H Project Education Plan covers all the projects of our 4-H kids. Such projects are 4-H Food Show, 4-H Fashion Show, 4-H Photo Show, 4-H Shooting Sports Archery and Rifle, 4-H Record Book. All of these 4-H projects require planning meetings with the adult leaders, clinics and workshops to train the kids, local competitions, and consequently our participation at District or State competitions. Little by little we are attracting more participation in these 4-H activities, and the one that is getting more 4-H kids every year is the Maverick County 4-H Shooting Sports Archery and Rifle. M

## Results

In 2015 the Maverick County 4-H youth obtain one first place at the District 12 Archery contest, and one first place at the District 12 Food Show. In the District 12 Virtual 4-H Photo Show our 4-H kids obtained 12 blue ribbons, with 3 top winners. We have a group of families committed to participate in as many as 4-H activities as they can, for this reason we been adding more projects to satisfy the required demand. The latest registered 4-H project is the Maverick County 4-H Shooting Sports Archery and Rifle, this project requires a great effort from the parents and volunteers. At this time we have shooting ranges, we are affiliated with the Civilian Marksmanship Program to obtain inexpensive new competition rifles. We have certified 4-H shooting sports

## 4-H and Youth Development

coaches according to the number of training kids on each discipline. At the 2015 Maverick County 4-H Shooting Sports Safety Training we had the participation of almost 30 4-H kids, for both disciplines archery and rifle. A group of kids attended the District 12 2015 4-H Leadership LAB summer camp, in Uvalde, Texas. The fundamentals of this summer camp are leadership, team work, and socialization among the District 12 County Council Voting Delegates. Another great educational experience for our 4-H kids was the participation at the Horizons summer camp, at the State 4-H Center in Brownwood, Texas. The summer camp offer a variety of educational topics to chose from like wildlife biology, robotics, cooking, and some others.

### Future Plans

The County Extension Agent is committed to maintain the 4-H program strong and running forward. There are some important necessities that we should implement this next year, and one would be the acquisition of new 22 caliber competition rifles with the peep site. Probably another important issue would be the certification of more Shooting Sports Coaches for Archery and Rifle. The 4-H Council of Maverick County will be in the process of organizing more fund raisers to benefit all the Maverick County 4-H Clubs. We will also end up chartering 1 or 2 more 4-H Clubs this next year, and one would be the Maverick County 4-H Shooting Sports Archery and Rifle.



## 4-H and Youth Development

**Some pictures of the Maverick County 4-H Shooting Sports Archery and Rifle at local practices and District 12 competitions, and the 2015 Maverick County 4-H Shooting Sports Safety Training**





## 4-H and Youth Development

**Some pictures of our Maverick County 4-Hers at the local competition and the District 12 4-H Food Show and 4-H Fashion Show.**





## 4-H and Youth Development

Some pictures of the 4-H Day, that we celebrated by planting a tree at the Maverick County Commissioners Court.



## Community Economic Development

# 2015 Maverick County Community Economic Development Oscar Galindo CEA AgNR

## Relevance

The Maverick County Extension Agent is always committed to support, and work with committees or the government to attract economic benefit to our community. There are many resources available to economically develop towards a better living. Those resources can be in the form of grants, social events, or as donations. The Extension program greatly relies on cooperatives, and like the 4-H a nonprofit organization depend on the support of committees, and local businesses.

## Response

Fortunately groups like the Maverick County Junior Livestock Association support the AgriLIFE Extension office in many ways, including the 4-H program. Also other groups in the community are aware of the Extension program, and help to improve the services of the extension agents.

## Results

This year the amount of money the buyers spend at the 2015 Maverick County Junior Livestock Show exceeded from last year of almost one hundred thousand dollars. Also one of our 4-H Adult Leaders applied for a grant that we will probably obtain as usual. Plus the 4-H Awards Banquet was offered to the 4-H families with donations of local businesses, and we served almost 400 plates. Another example of community involvement in the Maverick County Extension program was the outcome of the 2015 TCFF event because we had a great attendance of citizens of different sectors of the community. The Maverick County Extension Agents obtained great feedback from the attendees to improve the Extension program in the community. The grant that the County Extension Agent prepared in coordination with Commissioners Court, to construct a new show barn with the Extension offices included still in the progress.

## Future Plans

The County Extension Agent will continue working in coordination with different groups of the community, to obtain benefits through different sources.



## Community Economic Development

### Some pictures of the 2015 TCFF event





# Extension Education in Maverick County

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