

# Educational Exhibits and Agriscience Exhibits

Tulsa State Fair

"?"

# "Tomato, Tomato, Pepper?"

"Do

## SUCCESSES



Tomato / Tomato



Tomato / Pepper



Pepper / Tomato

## CHALLENGES



Drying Out



## GRAFTING VEGETABLE PLANTS

### Why Graft?

To combine the superior production traits of one plant (scion) to a plant with better disease resistance or root system (rootstock).

### Grafting Methods Used

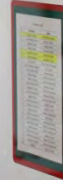


Angle Cut

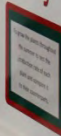
## Hypothesis

Tomato stems and pepper scions on the grafting, that in both one part of each will successfully unite to form a new plant.

## Current Status



## Future Study

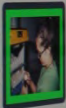


# er?" "Don't Count Your Chickens Before They Hatch" WHEN

## Independent Variable



## Dependent Variables



Fertile Eggs



Humidity

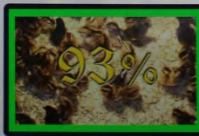
## Results and Analysis



## Data



Hatching Rate of Eggs  
Turned @ 30 Minute Intervals



Hatching Rate of Eggs  
Turned @ 3 Hour Intervals

## Hypothesis

If turning intervals of egg rotation are related to the hatchability of chicken eggs, then eggs rotated less often would have a higher hatching rate than eggs rotated more often.

## Prediction

I predicted the eggs rotated every three hours would have a higher hatching rate, because it closer resembles a natural environment for the hen and her eggs.

## Results

The results supported the hypothesis, that eggs turned every three hours had a better rate of hatchability than those turned every thirty minutes.



# When is Waste No Longer Waste?

## Hypothesis

If a certain soil or livestock waste rate of 1:1 will not perform as well as the control with more plants, then a 1:1 ratio will make the waste mixtures more competitive.

## Prediction

... ..

## Results

... ..

## \*LIVESTOCK WASTE\*



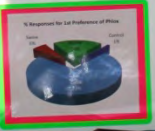
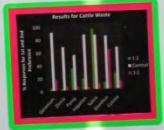
## INDEPENDENT VARIABLE

In 2011, I grew two different types of bedding plants in a mixture of 1:1 ratio. The control was 1:1 ratio. The control was 1:1 ratio. The control was 1:1 ratio. The control was 1:1 ratio.

## TRANSPLANTING



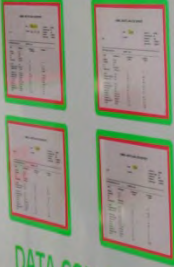
## DATA



## HYPOTHESIS

If a certain soil or livestock waste rate of 1:1 will not perform as well as the control with more plants, then a 1:1 ratio will make the waste mixtures more competitive.

## SOIL TEST



## DATA COLLECTION



# "HOW MUCH IS TOO MUCH?"

## Hypothesis



If Garden Gnomes received an optimal fertilizer rate or method of application, then the most fertilizer with 250gms of slow release fertilizer will produce plants with more leaves and will flower sooner versus one given either no fertilizer or an application method, including those given no fertilizer at all.

## Prediction

Because of my experiment with Fertilizer Gnomes, I predict that the plants that received the most fertilizer will grow well at 250gms of slow release fertilizer throughout the soil. Followed by the slow release mixed throughout, followed by the water soluble fertilizer plants. The water soluble should come from the control group, which received no fertilizer or transplanting.

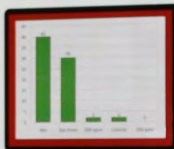
## Results

My hypothesis was proven to be incorrect, as a majority of the plants given the slow release fertilizer did not flower. The water soluble plants grew more leaves than the control group in the morning slow releases, in regard to flowering, both water soluble applications and the control group.

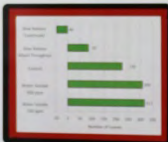


## Data

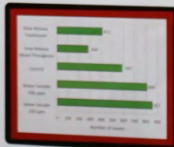
Number of Plants Dead at 30 Days



Number of Leaves at 30 Days



Number of Leaves at 60 Days



## Quality



Tomato



Dry


# BROKEN ARROW FFA

I BELIEVE

Learning to Do,  
Doing to Learn,  
Earning to Live,  
Living to Serve.

### FFA Emblem

The national FFA emblem, consisting of five symbols, is representative of the history, goals and future of the organization. As a whole, the emblem covers the broad spectrum of FFA and agriculture. Each element within the emblem has unique significance.



The eagle is a national symbol of the United States and represents the FFA's commitment to leadership and service.

The shield is a symbol of protection and represents the FFA's commitment to the welfare of its members and the agricultural industry.

The plow is a symbol of agriculture and represents the FFA's commitment to the production of food and fiber.

The sheaf of wheat is a symbol of agriculture and represents the FFA's commitment to the production of food and fiber.

The FFA emblem is a symbol of the organization's history, goals, and future. It is a symbol of the organization's commitment to leadership, service, and the welfare of its members and the agricultural industry.



Tradition



Premier Leadership  
Personal Growth  
Career Success

BROTHERHOOD

FFA



OKLAHOMA  
BROKEN ARROW

UP SEND FFA!

Provision

Adm. Serv.

Summit

Stacy L. Galt

# WELLSTON FFA

**BELIEVE**



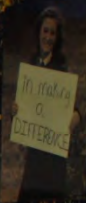
Small text card describing the student's achievements.



Small text card describing the student's achievements.



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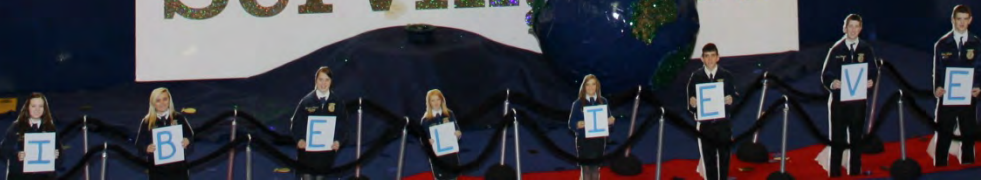
# SAPULPA FFA

# BELIEVE

FFA in



# Serving the





# SKIATOOK FFA

*I believe that American agriculture can and will hold true...*

*This is our FUTURE ...*



SHOWS

*I believe that to live and work on a good farm...*

*I believe in less dependence on begging and more power in Bargaining...*

# BELIEVE

# SKIATOOK FFA

*We Believe.*



THE FFA CREED BY: E.M. TIFFANY

*I believe in leadership from ourselves and respect from others...*

SPEECH



LEADERSHIP



SHOWS



*I believe in the Future of Agriculture...*

# SKIATOOK FFA

# Student Leadership

Chapter members received etiquette training to better prepare them for leadership roles.



Enhanced curriculum provides student independence in subject matter and job opportunities.



Public speaking provides member with personal strengths as well as employment opportunities.



# Vinita

# FFA

# BELIEVE



# Chapter

# Leadership

Chapter teamwork in all activities provide leadership, knowledge and community involvement.



# Community Leadership

Chapter learn serving providing that serv communit



Public relations are important for chapter members as well as community members.



Presenting healthy to on a team f... leadership



RESPECTATION from the past and present generations of agriculture.

to BELIEVE in the future of agriculture.

Agriculture has its ups and downs, but we remain LOYAL to our industry and our country.

The Golden FFA Award... Loyal... through hard work...

# VINITA

# STRATFORD FFA

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PAULS VALLEY FFA

AGRICULTURE EDUCATION

BELIEVE



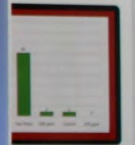
PAULS VALLEY FFA

BELIEVE

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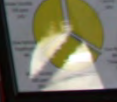


Number of Leaves at 30 Days



Quality

First 100 Plants to Flower



FA

SUCCESS



MIN

W

# BETHEL FFA

# BELIEVE



**Bethel FFA Mission**  
Setting a standard of teamwork and participation  
help those who follow in our own FFA legacy!

LEADERSHIP

HARDWORK

DEDICATION



we...

in ourselves  
in others.

# BRO

Learning to Do,  
Doing to Learn,  
Earning to Live,  
Living to Serve.

Learning to Do,  
Doing to Learn,  
Earning to Live,  
Living to Serve.

Learning to Do,  
Doing to Learn,  
Earning to Live,  
Living to Serve.



# WILBURTON FFA

**BELIEVE** 


  
Credo che  
我相信  
  
Я считаю  
BELIEVE  


  
Credo che  
我相信  
  
Я считаю  
BELIEVE  




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...or ever, one



Student FFA member Larry E. and Travis Foster prepare the chapter's annual plan.



FFA

★ CANEY VALLEY ★

I believe in leadership from  
ourselves and respect from others.

I believe in less dependence in  
negotiating and more power in  
bargaining...

...can and will hold  
national life.

BOTANY  
ELOQUENCE  
LIVESTOCK  
INTERACT  
EDUCATION  
VENERER  
ENGINEER





# FREEDOM FFA

★ CA

*I Believe in the future  
of agriculture...*



*I Believe that to live and  
work on a good farm...*



## I BELIEVE



*I Believe that American agriculture can and will hold  
true to the best traditions of our national life.*



*I Believe in leadership from  
ourselves and respect from others...*

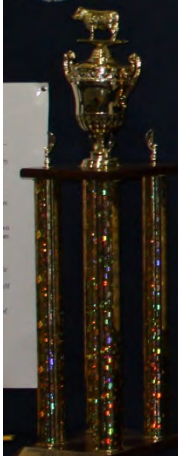


*I Believe in less dependence in  
in begging and more power in  
bargaining...*

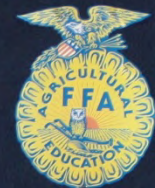


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# INDIAHOMA FFA



**We BELIEVE in  
The FFA Creed**

**The FFA Creed**  
By E.M. Tiffany

I believe in the future of agriculture, with a faith born not of words but of deeds - achievements won by the present and past generations of agriculturists; in the promise of better days through better ways, even as the better things we now enjoy have come to us from the struggles of former years.

I believe that to live and work on a good farm, or to be engaged in other agricultural pursuits, is pleasant as well as challenging; for I know the joys and discomforts of agricultural life and hold an inborn fondness for those associations which, even in hours of discouragement, I cannot deny.

I believe in leadership from ourselves and respect from others. I believe in my own ability to work efficiently and think clearly, with such knowledge and skill as I can secure, and in the ability of progressive agriculturists to serve our own and the public interest in producing and marketing the product of our toil.

I believe in less dependence on begging and more power in bargaining; in the life abundant and enough honest wealth to help make it so - for others as well as myself; in less need for charity and more of it when needed; in being happy myself and playing square with those whose happiness depends upon me.

I believe that American agriculturists can and will hold true to the best traditions of our national life and that I can exert an influence in my home and community which will stand solid for my part in that inspiring task.

The creed was written by E. M. Tiffany, and adopted at the 3rd National Convention of the FFA. It was revised at the 34th Convention and the 63rd Convention.



# BELIEVE

We BELIEVE in  
Leadership



Learning to Do  
Doing to Learn  
Earning to Live  
Living to Serve

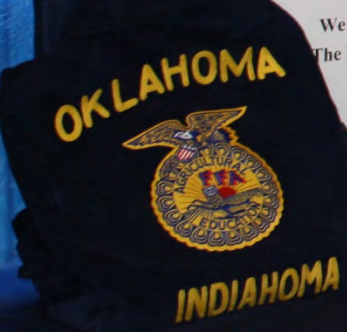
We BELIEVE in  
The FFA Moto



We BELIEVE in  
Supervised  
Agriculture  
Experiences



We BELIEVE in  
The FFA Jacket



Helping The  
Community

We BELIEVE in  
National Blue  
and  
Corn Gold



We BELIEVE in  
Career Development  
Events



We BELIEVE in  
Livestock Shows

I Believe  
WO

# MORRIS FFA

## BELIEVE

In

## PRESENT

# FFA



Morris FFA seniors Lacy Kilgore and Travis Foster preparing for the chapter's annual plant sale.



Chapter members helping local farmer clean up tornado debris.



Morris FFA National qualifying Floriculture team designing arrangements for the FFA Banquet.



Time

## FUTURE

YOU! Future FFA members. Every action that you take helps influence and change the future as you see it today.



FFA member Jake Kell exploring the opportunities of FFA membership to local 7th grade students.



FFA member James Malone teaches local elementary students about the basics of horticulture.

# LEADERSHIP THROUGHOUT TIME

# INDIAN FFA



We BELIEVE in The FFA Creed

The FFA Creed

I believe in the farmer as the backbone of the nation, and in the agricultural products that he produces as the basis of our civilization. I believe that in his work on a good farm, the farmer finds an opportunity to serve his country by observing the land, his habits of industry, and his ability to produce agricultural products, essential to our nation's well-being. I believe in leadership from ourselves and others, and in the ability of progressive agriculture to provide for the needs of our people, present and future. I believe that American agriculture can and will feed the world, and that we can make an effective effort to do so, if we are united in our purpose and working together.

# BELIEVE

**"I Believe We Can Make Tomorrow Better Than Today" Cushing FFA Chapter**

**"I Believe** FFA leadership activities can help me be a leader for other organizations."

**"I believe that through service learning we can make our communities stronger."**

**"I believe educating others about agriculture will make people understand our industry."**

"I believe the agricultural careers of yesterday will still be valuable careers of **tomorrow**."

**"I believe agricultural education integrates science, math and communication skills better than other curriculum."**

"I believe there is an opportunity for everyone to display their talents in FFA **today**."



BELIEVE



BELIEVE



BELIEVE



BELIEVE



BELIEVE



BELIEVE



BELIEVE

BELIEVE



**BELIEVE**

