

**V(A). Planned Program (Summary)**

**Program # 10**

**1. Name of the Planned Program**

Youth Agriculture

**V(B). Program Knowledge Area(s)**

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
315	Animal Welfare/Well-Being and Protection	25%			
806	Youth Development	75%			
	<b>Total</b>	100%			

**V(C). Planned Program (Inputs)**

1. Actual amount of professional FTE/SYs expended this Program

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	12.0	0.0	0.0	0.0
Actual	12.0	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
450000	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
345000	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

**V(D). Planned Program (Activity)**

1. Brief description of the Activity

4-H agricultural education programs are vehicles for youth/adult development, which is the mission of the Cooperative Extension Service of the USDA. Agricultural education programming offers training that develops life skills in both youth and adult participants. Development of life skills enhances the ability of

youth to become functioning members of society, and helps adults gain satisfaction and accomplishment of personal/career goals. With technological advances and the increased urban/non-farm populations, individuals are now several generations removed from actual working knowledge of agricultural production; the public (youth and adult) are not prepared to make informed decisions that ensure quality and adequate food and fiber while also maintaining the environment. The mission of the 4-H Youth Agriculture is to help West Virginia youth/adults gain a greater awareness of the food, fiber, and natural resources systems and its role in the economy and society.

**Major activities**

- 4-H Youth Agriculture Program
- Agriculture in the Classroom
- Summer Agriculture Institute
- Youth Safe Farm
- 4-H/FFA Market Animal Program
- CYFAR

**2. Brief description of the target audience**

The target audience for this programming is WVU-ES personnel, agricultural industry and commodity group personnel, 4-H youth and volunteer leaders, Vo-Ag personnel, FFA youth, parents, Extension agents and specialists

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
<b>Plan</b>	10200	26000	20400	10400
<b>Actual</b>	11393	81713	29976	47994

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

Year: 2010  
 Plan: 0  
 Actual: 0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

2010	Extension	Research	Total
<b>Plan</b>	0	0	
<b>Actual</b>	1	0	1

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

- Number of training activities in youth agriculture.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2010	1800	1524

**Output #2**

**Output Measure**

- Number of educational materials in youth agriculture created or updated.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2010	75	3

**Output #3**

**Output Measure**

- Number of people receiving educational materials related to youth agriculture.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2010	22000	22908

**Output #4**

**Output Measure**

- Number of outside organizations participating in initiatives

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2010	{No Data Entered}	45

**Output #5**

**Output Measure**

- Number of grants and contracts

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2010	{No Data Entered}	1

**Output #6**

**Output Measure**

- Number of volunteers

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2010	{No Data Entered}	211

**V(G). State Defined Outcomes**

**V. State Defined Outcomes Table of Content**

O. No.	OUTCOME NAME
1	Number of youth agriculture participants who increased their knowledge.
2	Number of participants in youth agriculture initiatives who changed their attitudes or opinions.
3	Number of participants in youth agriculture initiatives who improved their skill level.
4	Number of participants in youth agriculture initiatives who changed a habit or procedure.
5	Amount of money raised by program participants who support youth agriculture efforts.

**Outcome #1**

**1. Outcome Measures**

Number of youth agriculture participants who increased their knowledge.

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	2240	8222

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

The mission of the 4-H Youth Agriculture planned program is to help WV youth and adults gain a greater awareness of food, fiber, and natural resource systems and their role in the economy and society.

**What has been done**

Individual Consultations  
Judgings  
Farm safety project  
Project workshops  
Skillathon/Quiz Bowl  
Visits/tours  
Camps/overnighters and classes  
School programs  
Fairs and expositions

**Results**

\* Youth gained knowledge about various aspects of livestock evaluation, ways to make family farms profitable, animal breed traits and anatomy, wholesale and retail issues, agricultural production methods, basic soil differences, soil and water conservation practices, dairy facts, where their food comes from and how it is produced, and how butter is made.

\* Adults gained knowledge about resources to use with 4-H and FFA members, animal ethics, skillathons, animal welfare quality assurance, and management practices for 4-H youth livestock projects.

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
315	Animal Welfare/Well-Being and Protection
806	Youth Development

#### Outcome #2

##### 1. Outcome Measures

Number of participants in youth agriculture initiatives who changed their attitudes or opinions.

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Knowledge Outcome Measure

##### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	410	6800

##### 3c. Qualitative Outcome or Impact Statement

###### **Issue (Who cares and Why)**

The mission of the 4-H Youth Agriculture planned program is to help WV youth and adults gain a greater awareness of food, fiber, and natural resources systems and their role in the economy and society. In addition, the Youth Safe Farm program helps families understand the possible dangers on their farms and ways to correct them.

###### **What has been done**

Individual consultations  
Judgings  
Farm safety project  
Project workshops  
Skillathon/Quiz Bowl  
Visits/tours  
Camps/overnighters and classes  
School Programs  
Fairs and expositions

###### **Results**

- \* Parents indicated that their youth were more confident and had higher self-esteem after a sale.
- \* Community members have a better knowledge of how hard the youth work to sustain the animal

of their choosing.

\* Participants in the Youth Safe Farm project said that although they knew there were dangers on their farms, they didn't know there were so many and that the program helped them recognize more dangers. They said that they no longer look over simple easy things to fix things around the house.

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
315	Animal Welfare/Well-Being and Protection
806	Youth Development

#### Outcome #3

##### 1. Outcome Measures

Number of participants in youth agriculture initiatives who improved their skill level.

##### 2. Associated Institution Types

- 1862 Extension

##### 3a. Outcome Type:

Change in Knowledge Outcome Measure

##### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	1700	6717

##### 3c. Qualitative Outcome or Impact Statement

###### **Issue (Who cares and Why)**

Agricultural education programming offers training that develops life skills in both youth and adults. Development of lifeskills enhances the ability of youth to become functioning members of society and helps adults gain satisfaction and accomplishment of personal/career goals.

###### **What has been done**

Individual consultations  
Judgings  
Farm safety project  
Project workshops  
Skillathon/Quiz Bowl  
Visits/tours  
Camps/overnighters and classes  
School Programs

Fairs and expositions

**Results**

Youth gained skills in how to properly fit and show livestock, brushing & washing, trimming meat, air rifle and pistol use, archery skills, wildlife conservation, shotgun, and muzzleloading, oral reasoning for 4-H horse judging, how to evaluate soils and make proper land use recommendations, team work, butter-making, gardening, making plastics from cornstarch, and beekeeping.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
315	Animal Welfare/Well-Being and Protection
806	Youth Development

**Outcome #4**

**1. Outcome Measures**

Number of participants in youth agriculture initiatives who changed a habit or procedure.

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2010	500	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

One of the essential elements of youth development is mastery of skills. Youth in WV 4-H agricultural programs are guided through the process of learning skills, mastering the skills, competing in competitions, and using the skills in everyday life.

**What has been done**

Youth in WV counties have successfully competed in the National 4-H Invitational

In the Youth Safe Farm project, families identify safety problems on their farms and develop a plan for addressing them. They document progress and success in the efforts.

**Results**

- \* The Braxton County 4-H Team represented WV at the National 4-H Invitational, and placed 8th in the Air Rifle competition.
- \* In the Youth Safe Farm project, 38 families identified 407 safety problems on their farms and corrected 281 of those problems.
- \* A new 2010 state team was trained, competed and has qualified for the 2011 National 4-H Land and Homesite Judging contests by winning the 2010 WV 4-H soils judging championships (Land Judging and Homesite Judging). This will be the eleventh year out of the last twelve years that Barbour County has qualified for the national contest.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
315	Animal Welfare/Well-Being and Protection
806	Youth Development

**Outcome #5**

**1. Outcome Measures**

Amount of money raised by program participants who support youth agriculture efforts.

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2010	2000000	4670495

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

One of the essential elements of youth development is mastery of skills. Youth in WV 4-H agricultural programs are guided through the process of learning skills, mastering the skills, competing in competitions, and using the skills in everyday life.

**What has been done**

Funds were generated from 4-H and FAA livestock sales. Youth say that they will use this money to pay for college or further training.

**Results**

\* \$4,567,565 generated from 4-H and FFA livestock sale proceeds.

\* \$102,930 returned to community groups and organizations from youth project livestock sales. This included such groups as county scholarship funds, county 4-H foundations, county FFA foundations, fair boards, 4-H leaders associations, community organizations, and others.

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
315	Animal Welfare/Well-Being and Protection
806	Youth Development

#### V(H). Planned Program (External Factors)

##### External factors which affected outcomes

- Economy
- Appropriations changes
- Competing Public priorities
- Competing Programmatic Challenges

##### Brief Explanation

#### V(I). Planned Program (Evaluation Studies and Data Collection)

##### 1. Evaluation Studies Planned

- After Only (post program)
- Retrospective (post program)
- Before-After (before and after program)
- During (during program)

#### Evaluation Results

The Youth Agriculture Team developed a county indicator report which identified the types of educational activities being conducted in each county, the total dollars generated from 4-H/FFA market livestock project sales, the total dollars donated to community groups/organizations from 4-H/FFA market livestock project sales, market project summary, and a summary of the implementation of the sheep tail docking rule. Reports were received from 34 counties.

An evaluation study was undertaken during the 2009-2010 4-H year to determine the usage of Animal Science, Plant Science, Mechanical Science, and Natural Resources and Environment project curriculum enrollment and to assess the project completion rates in these project areas. Data indicate project completion rates for the 2009-2010 areas are as follows: Animal Sciences (76%) a decrease of 1%; Plant Sciences (53%), a decrease of 4%; Mechanical Sciences (61%), a decrease of 5%; and Natural Resources (57%), a decrease of

10% from the 2008-2009 4-H year; in addition, the overall project completion rate was 72%, a decrease of 3% from 2008-2009.

**Key Items of Evaluation**