

# Development of New Dairy Goat Products

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

### 1. Name of the Planned Program

Development of New Dairy Goat Products

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

### 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
502	New and Improved Food Products		100%		100%
	<b>Total</b>		100%		100%

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	0.0	0.1	0.0	0.1
<b>Actual</b>	0.0	0.3	0.0	0.4

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

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
0	14436	0	16230
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	14634	0	14634
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	12233	0	31328

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

### 1. Brief description of the Activity

Work was performed to develop new dairy goat products and create new opportunities for goat producers.

### 2. Brief description of the target audience

All goat producers in Oklahoma.

**V(E). Planned Program (Outputs)****1. Standard output measures****Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	200	400	0	0
2008	100	200	0	0

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

<b>Year</b>	<b>Target</b>
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<b>Plan:</b>	0
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2008:	0
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**Patents listed****3. Publications (Standard General Output Measure)****Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	0	
2008	1	0	1

**V(F). State Defined Outputs****Output Target****Output #1****Output Measure**

- Goat producers without cheesemaking experience were taught these basic skills

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	{No Data Entered}	100

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

<b>O No.</b>	<b>Outcome Name</b>
1	Number of goat producers learning about techniques for developing new dairy goat products.
2	Number of goat producers using techniques for developing new dairy goat products.
3	Goat producers developing increasing yearly income from new dairy goat products.

**Outcome #1****1. Outcome Measures**

Number of goat producers learning about techniques for developing new dairy goat products.

**2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	200	100

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

The consumption of goat milk and cheese and the popularity of goat milk soap in the U.S. have been on the rise in recent years. To meet the demand for goat milk cheese and goat milk soap and increase profitability of goat dairying, dairy goat producers need skills and techniques to produce high quality goat milk products.

**What has been done**

During 2008, we conducted training courses for goat milk cheeses and goat milk soaps in addition to our annual cheesemaking workshops. To promote the dairy goat industry and add value to goat milk, 2 cheesemaking workshops and 1 soapmaking workshop were conducted on and off campus. Hands-on cheesemaking and soapmaking procedures and techniques were demonstrated to goat producers, school teachers, physicians and 4-H members. Different varieties of cheese and soap were made for diversified audiences. Milk quality control measures, practical skills and product development evaluation basics were presented to the goat producers.

**Results**

Goat producers without cheesemaking and soapmaking experiences were taught basic skills. Some of them have started cheesemaking and/or soapmaking at home and several have gone commercial. By making goat milk products and adding value to goat milk, goat producers increase their income in goat farming.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
502	New and Improved Food Products

**Outcome #2****1. Outcome Measures**

Number of goat producers using techniques for developing new dairy goat products.

**2. Associated Institution Types**

- 1890 Extension
- 1890 Research

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2008	40	100

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

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## 4. Associated Knowledge Areas

KA Code	Knowledge Area
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### Outcome #3

#### 1. Outcome Measures

Goat producers developing increasing yearly income from new dairy goat products.

#### 2. Associated Institution Types

- 1890 Extension
- 1890 Research

#### 3a. Outcome Type:

Change in Condition Outcome Measure

#### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	5	100

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

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

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## 4. Associated Knowledge Areas

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

**External factors which affected outcomes**

- Natural Disasters (drought, weather extremes, etc.)

**Brief Explanation**

External factors did not affect outcomes.

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

**1. Evaluation Studies Planned**

- After Only (post program)

**Evaluation Results**

Teaching goat producers how to develop goat products that can help increase their marketing and selling power.

**Key Items of Evaluation**

An increased number of dairy goat producers adding value to their goat products.