

# Crop Enterprises

Crop Enterprises

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

### 1. Name of the Planned Program

Crop Enterprises

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

### 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
102	Soil, Plant, Water, Nutrient Relationships	13%		5%	
133	Pollution Prevention and Mitigation	4%		5%	
201	Plant Genome, Genetics, and Genetic Mechanisms	6%		20%	
204	Plant Product Quality and Utility (Preharvest)	12%		10%	
205	Plant Management Systems	13%		20%	
211	Insects, Mites, and Other Arthropods Affecting Plants	18%		10%	
212	Pathogens and Nematodes Affecting Plants	5%		10%	
213	Weeds Affecting Plants	13%		5%	
215	Biological Control of Pests Affecting Plants	4%		5%	
216	Integrated Pest Management Systems	12%		10%	
	<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>	11.5	0.0	6.5	0.0
<b>Actual</b>	21.0	0.0	6.0	0.0

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

Extension		Research	
Smith-Lever 3b & 3c 450000	1890 Extension 0	Hatch 516250	Evans-Allen 0
<b>1862 Matching</b> 450000	<b>1890 Matching</b> 0	<b>1862 Matching</b> 516250	<b>1890 Matching</b> 0
<b>1862 All Other</b> 2709858	<b>1890 All Other</b> 0	<b>1862 All Other</b> 4172935	<b>1890 All Other</b> 0

**V(D). Planned Program (Activity)****1. Brief description of the Activity**

Wheat variety development and testing  
 No-till production practices, demonstrations, conference  
 Wheat quality and product development and testing  
 Wheat management newsletter, website  
 Canola production practices, demonstrations and field days.  
 Test and demonstrate alternative cropping systems and rotations  
 Improve web-based delivery of cropping systems information  
 Weekly crop updates during production season  
 Grower meetings/workshops  
 Field/demonstration days

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

Wheat growers, dual-purpose wheat producers, millers, bakers, wheat importers, seed growers and dealers, wheat breeders, crop producers, potential cotton, canola and other crop producers and nutraceutical producers.

**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>	2000	4000	0	0
2008	67492	292458	0	0

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

**Year Target**

**Plan: 0**

2008: 1

**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	14	55	69

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

**Output Target**

**Output #1**

**Output Measure**

Field Demonstrations

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	30	60

**Output #2**

**Output Measure**

Varieties of wheat released

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	2	1

**Output #3**

**Output Measure**

Crop production manuals and production newsletters

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	15	25

**Output #4**

**Output Measure**

Cotton weekly crop updates

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	11	11

**Output #5**

**Output Measure**

Cotton Web Page

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	1	1

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

<b>O No.</b>	<b>Outcome Name</b>
1	Percentage of dual-purpose wheat acreage where first hollow stem criterion used for decision making
2	Increase in cotton production in eastern and central Oklahoma
3	Change in acreages that have crop rotations involving wheat
4	Change in fertilization and pesticide inputs due to diversified systems
5	Number of acres where minimum or no-till production practices are applied
6	Number of varieties accepted by seed producers and producers to address end-use quality issues
7	Percentage of wheat acres sown to varieties with improved pest resistance, yield potential, and end-use quality.
8	Provide locally-controlled evaluations and agronomic data for oilseed crops
9	Cotton Variety Testing and Demonstration for Improved Oklahoma Cotton Production

**Outcome #1**

**1. Outcome Measures**

*Not reporting on this Outcome for this Annual Report*

**2. Associated Institution Types**

**3a. Outcome Type:**

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
------	---------------------	--------

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
---------	----------------

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

**External factors which affected outcomes**

Natural Disasters (drought, weather extremes, etc.)

Public Policy changes

Government Regulations

**Brief Explanation**

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

**1. Evaluation Studies Planned**

Before-After (before and after program)

During (during program)

**Evaluation Results**

**Preliminary results of a no-till survey conducted in Oklahoma indicated that 33% of the 1,200 respondents practiced no-till. This is a substantial increase compared to the estimated 8% in 2004.**

**Key Items of Evaluation**

This means less fuel usage, reduced wind erosion and better soil moisture retention.