

# Biotechnology and Biodiversity

Biotechnology and Biodiversity

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

### 1. Name of the Planned Program

Biotechnology and Biodiversity

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

### 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
133	Pollution Prevention and Mitigation				30%
302	Nutrient Utilization in Animals				10%
308	Improved Animal Products (Before Harvest)				30%
311	Animal Diseases				10%
403	Waste Disposal, Recycling, and Reuse				20%
	<b>Total</b>				100%

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

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

Year: 2007	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	0.0	0.0	0.0	1.8
<b>Actual</b>	0.0	0.0	0.0	2.8

### 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	0	0	901978
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	0	608272
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	15837

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

### 1. Brief description of the Activity

•Conduct research studies    •Give presentations at professional meetings    •Publish in professional journals

### 2. Brief description of the target audience

•Companies involved in biotechnology applications    •Farmers involved in producing agricultural products using biotechnology and those that are considering it    •Consumers

**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>	0	0	0	0
2007	38	394080	36	0

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

**Patent Applications Submitted**

**Year Target**

**Plan: 0**

**2007: 0**

**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>			
2007	0	16	0

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

**Output Target**

**Output #1**

**Output Measure**

# articles published in research and other professional journals

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	3	16

**Output #2**

**Output Measure**

# presentations at professional meetings

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	6	38

**Output #3**

**Output Measure**

# media occurrences

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	0	7

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

O No.	Outcome Name
1	# of licenses of current patents
2	# of filings for intellectual property

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

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
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**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

Other (See notes below)

**Brief Explanation**

This planned program is quite active as seen from the highlights mentioned in the Report Overview section and our listed outcomes are for long term impacts. The research projects underway in the biotechnology planned program hold promise for future patents and companies involved with those patents. For example, we have one spin-off company, Provagen, reported last year, that involves a set of patents that are about 20 years old.

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

**1. Evaluation Studies Planned**

**Evaluation Results**

**Key Items of Evaluation**