

# Bio-Based Products Development

Bio-Based Products Development

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

### 1. Name of the Planned Program

Bio-Based Products Development

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

### 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
511	New and Improved Non-Food Products and Processes	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	0.0	4.0	0.0
<b>Actual</b>	1.0	0.0	2.0	0.0

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

Extension		Research	
Smith-Lever 3b & 3c 23127	1890 Extension	Hatch 172083	Evans-Allen
	0		0
1862 Matching 23127	1890 Matching	1862 Matching 172083	1890 Matching
	0		0
1862 All Other 100000	1890 All Other	1862 All Other 1390978	1890 All Other
	0		0

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

**1. Brief description of the Activity**

- Project proposals
- Technical presentations
- Technical papers
- Journal articles
- Patents
- Products taken to commercialization by industry

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

Other scientists, industry, agricultural producers, commercial developers

**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
2008	924	245000	0	0

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

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	2
2008:	1

**Patents listed**

An application was submitted for a new switchgrass variety released in 2008. Team member is Yanqi Wu, working with Charles Taliaferro.

**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	11	16	27

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

**Output Target**

**Output #1**

**Output Measure**

Journal Articles

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	5	16

**Output #2**

**Output Measure**

Technical papers and presentations

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	12	39

**Output #3**

**Output Measure**

New processes developed

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

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

O No.	Outcome Name
1	Products/processes taken to commercialization by industry

**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**

Appropriations changes

**Brief Explanation**

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

**1. Evaluation Studies Planned**

During (during program)

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}