V(A). Planned Program (Summary)

Program # 13

1. Name of the Planned Program

3.1 Health, Nutrition, and Food Safety

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

<table>
<thead>
<tr>
<th>KA Code</th>
<th>Knowledge Area</th>
<th>%1862 Extension</th>
<th>%1890 Extension</th>
<th>%1862 Research</th>
<th>%1890 Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>501</td>
<td>New and Improved Food Processing Technologies</td>
<td>0%</td>
<td></td>
<td>11%</td>
<td></td>
</tr>
<tr>
<td>502</td>
<td>New and Improved Food Products</td>
<td>4%</td>
<td></td>
<td>5%</td>
<td></td>
</tr>
<tr>
<td>503</td>
<td>Quality Maintenance in Storing and Marketing Food Products</td>
<td>6%</td>
<td></td>
<td>14%</td>
<td></td>
</tr>
<tr>
<td>701</td>
<td>Nutrient Composition of Food</td>
<td>7%</td>
<td></td>
<td>4%</td>
<td></td>
</tr>
<tr>
<td>702</td>
<td>Requirements and Function of Nutrients and Other Food Components</td>
<td>9%</td>
<td></td>
<td>13%</td>
<td></td>
</tr>
<tr>
<td>703</td>
<td>Nutrition Education and Behavior</td>
<td>31%</td>
<td></td>
<td>15%</td>
<td></td>
</tr>
<tr>
<td>704</td>
<td>Nutrition and Hunger in the Population</td>
<td>13%</td>
<td></td>
<td>1%</td>
<td></td>
</tr>
<tr>
<td>711</td>
<td>Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources</td>
<td>2%</td>
<td></td>
<td>3%</td>
<td></td>
</tr>
<tr>
<td>712</td>
<td>Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins</td>
<td>2%</td>
<td></td>
<td>13%</td>
<td></td>
</tr>
<tr>
<td>722</td>
<td>Zoonotic Diseases and Parasites Affecting Humans</td>
<td>2%</td>
<td></td>
<td>4%</td>
<td></td>
</tr>
<tr>
<td>723</td>
<td>Hazards to Human Health and Safety</td>
<td>4%</td>
<td></td>
<td>8%</td>
<td></td>
</tr>
<tr>
<td>724</td>
<td>Healthy Lifestyle</td>
<td>20%</td>
<td></td>
<td>9%</td>
<td></td>
</tr>
</tbody>
</table>

Total 100% 100%

V(C). Planned Program (Inputs)

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

<table>
<thead>
<tr>
<th>Year: 2009</th>
<th>Extension</th>
<th>Research</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1862</td>
<td>1890</td>
</tr>
<tr>
<td>Plan</td>
<td>71.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Actual</td>
<td>455.3</td>
<td>0.0</td>
</tr>
</tbody>
</table>

2. Institution Name: Cornell University

Actual dollars expended in this Program (includes Carryover Funds from previous years)
2. Institution Name: NY State Agricultural Experiment Station

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

<table>
<thead>
<tr>
<th>Extension</th>
<th>Smith-Lever 3b &amp; 3c</th>
<th>1890 Extension</th>
<th>Research</th>
<th>Hatch</th>
<th>Evans-Allen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smith-Lever 3b &amp; 3c</td>
<td>2072397</td>
<td>0</td>
<td>1890 Extension</td>
<td>0</td>
<td>649641</td>
</tr>
<tr>
<td>1862 Matching</td>
<td>2072397</td>
<td>0</td>
<td>1890 Matching</td>
<td>0</td>
<td>649641</td>
</tr>
<tr>
<td>1862 All Other</td>
<td>0</td>
<td>0</td>
<td>1890 All Other</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

V(D). Planned Program (Activity)

1. Brief description of the Activity

This is a comprehensive, statewide educational program entailing multiple education methods depending on local context and need. Campus-based faculty and extension associates and county-based educators are involved in designing, implementing, and evaluating tailored educational efforts depending on the focus and scope of their role.

2. Brief description of the target audience

Audiences reached include: moderate and low income families; 4-H youth; nutrition, health, and family professionals; front-line family workers; food service and food production staff and their managers and directors; and government and agency leaders at the local, state, and federal level.

V(E). Planned Program (Outputs)

1. Standard output measures

<table>
<thead>
<tr>
<th>2009</th>
<th>Direct Contacts Adults</th>
<th>Indirect Contacts Adults</th>
<th>Direct Contacts Youth</th>
<th>Indirect Contacts Youth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan</td>
<td>55000</td>
<td>250000</td>
<td>20000</td>
<td>100000</td>
</tr>
<tr>
<td>Actual</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

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

Patent Applications Submitted

Year: 2009
Plan: 5
Actual: {No Data Entered}
3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

<table>
<thead>
<tr>
<th>Output #1</th>
<th>Extension</th>
<th>Research</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan</td>
<td>0</td>
<td>290</td>
<td>0</td>
</tr>
<tr>
<td>Actual</td>
<td>{No Data Entered}</td>
<td>{No Data Entered}</td>
<td>0</td>
</tr>
</tbody>
</table>

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- # non-credit instructional activities directed to this program.
  Not reporting on this Output for this Annual Report

Output #2

Output Measure

- # non-credit instructional hours directed to this program.
  Not reporting on this Output for this Annual Report

Output #3

Output Measure

- # of children, youth, and adults completing education programs on: food, nutrition and health topics including attitudes about healthy eating, food choices, selection of healthy foods, preparation of healthy foods, and active living. (3.1.1a)
  Not reporting on this Output for this Annual Report

Output #4

Output Measure

- # of women and health providers completing education programs addressing healthy weight gain during pregnancy and breastfeeding. (3.1.1b)
  Not reporting on this Output for this Annual Report

Output #5

Output Measure

- # of community members completing educational programs on issues that influence food and health behavior and associated appropriate actions including obesity prevention programs and policy. (3.1.1c)
  Not reporting on this Output for this Annual Report

Output #6

Output Measure

- # of children, youth, and adults completing education programs on: identifying food insecurity, obtaining food assistance, balancing available resources by planning food choices, and lack of sufficient quality food/hunger. (3.1.2a)
  Not reporting on this Output for this Annual Report

Output #7

Output Measure

- # of policy makers and citizens participating in education programs on status of food security in their
communities and possible actions to promote increased food security. (3.1.2b)
Not reporting on this Output for this Annual Report

Output #8

Output Measure

● # of participants in programs on: reducing food safety and/or food borne risks and illnesses including recommended food purchase, storage, handling, and preparation practices. (3.1.3a)
Not reporting on this Output for this Annual Report
### V(G). State Defined Outcomes

<table>
<thead>
<tr>
<th>O. No.</th>
<th>OUTCOME NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td># of program participants who demonstrate knowledge or skill gains related to food, nutrition and health topics including: attitudes about healthy eating, healthy food choices, selection of healthy foods, preparation of healthy foods, and benefits of healthy living. (3.1.1d)</td>
</tr>
<tr>
<td>2</td>
<td># of program participants who demonstrate knowledge or skill gains related to healthy weight gain during pregnancy and breast feeding. (3.1.1e)</td>
</tr>
<tr>
<td>3</td>
<td># of program participants who demonstrate knowledge or skill gains related to issues that influence food and health behavior and associated appropriate school/public/community actions, programs, and policy. (3.1.1f)</td>
</tr>
<tr>
<td>4</td>
<td># of program participants who demonstrate knowledge or skill gains related to status of food security in their communities and possible actions to promote increased food security. (3.1.2c)</td>
</tr>
<tr>
<td>5</td>
<td># of program participants who know what to do related to food insecurity problems such as actions to obtain food assistance, balance available resources by planning food choices, and lack sufficient quality food/hunger. (3.1.2d)</td>
</tr>
<tr>
<td>6</td>
<td># of program participants who demonstrate knowledge or skill gains related to reducing food safety and/or food borne risks and illnesses including recommended food purchase, storage, handling, and preparation practices. (3.1.3b)</td>
</tr>
<tr>
<td>7</td>
<td># of program participants documented to have applied healthy eating, active living, and/or food safety recommendations. (3.1.1g)</td>
</tr>
<tr>
<td>8</td>
<td># of program participants documented to have managed food budgets and related resources to meet family needs. (3.1.1h)</td>
</tr>
<tr>
<td>9</td>
<td># of program participants documented to have increased participation in public/community health-related programs. (3.1.1i)</td>
</tr>
<tr>
<td>10</td>
<td># of program participants documented to have reduced one or more chronic disease indicators. (3.1.1j)</td>
</tr>
<tr>
<td>11</td>
<td># of participating schools and/or communities documented to have made practice and policy changes to promote healthy eating and active living. (3.1.1k)</td>
</tr>
<tr>
<td>12</td>
<td># of program participants who have acted to improve their food security status. (3.1.1e)</td>
</tr>
<tr>
<td>13</td>
<td># of participating communities that assess food insecurity and develop appropriate action plans. (3.1.2f)</td>
</tr>
<tr>
<td>14</td>
<td># of household and food handler participants documented to have increased application of safe food preparation practices (storage, preparation, and serving, i.e., HACCP standards. (3.1.3c)</td>
</tr>
<tr>
<td>15</td>
<td># of vulnerable children, youth and members of other priority groups documented to have reduced incidence of overweight and obesity as a result of participating in relevant educational programs. (3.1.1l)</td>
</tr>
<tr>
<td>16</td>
<td># of participating schools and/or communities reporting decline in incidence of overweight and/or indicators of chronic diseases associated with obesity. (3.1.1m)</td>
</tr>
<tr>
<td>17</td>
<td># of individuals or households documented to have improved food security status. (3.1.2h)</td>
</tr>
<tr>
<td>18</td>
<td># of participating communities reporting declines in food insecurity indicators. (3.1.2i)</td>
</tr>
<tr>
<td>19</td>
<td># of communities/firms/or organizations documented to have implemented improved practices or food safety policies as a result of participating in relevant educational programs. (3.1.3d)</td>
</tr>
</tbody>
</table>
Outcome #1

1. Outcome Measures

# of program participants who demonstrate knowledge or skill gains related to food, nutrition and health topics including: attitudes about healthy eating, healthy food choices, selection of healthy foods, preparation of healthy foods, and benefits of healthy living. (3.1.1d)

Not Reporting on this Outcome Measure

Outcome #2

1. Outcome Measures

# of program participants who demonstrate knowledge or skill gains related to healthy weight gain during pregnancy and breast feeding. (3.1.1e)

Not Reporting on this Outcome Measure

Outcome #3

1. Outcome Measures

# of program participants who demonstrate knowledge or skill gains related to issues that influence food and health behavior and associated appropriate school/public/community actions, programs, and policy. (3.1.1f)

Not Reporting on this Outcome Measure

Outcome #4

1. Outcome Measures

# of program participants who demonstrate knowledge or skill gains related to status of food security in their communities and possible actions to promote increased food security. (3.1.2c)

Not Reporting on this Outcome Measure

Outcome #5

1. Outcome Measures

# of program participants who know what to do related to food insecurity problems such as actions to obtain food assistance, balance available resources by planning food choices, and lack sufficient quality food/hunger. (3.1.2d)

Not Reporting on this Outcome Measure

Outcome #6

1. Outcome Measures

# of program participants who demonstrate knowledge or skill gains related to reducing food safety and/or food borne risks and illnesses including recommended food purchase, storage, handling, and preparation practices. (3.1.3b)

Not Reporting on this Outcome Measure
Outcome #7
1. Outcome Measures

   # of program participants documented to have applied healthy eating, active living, and/or food safety recommendations. (3.1.1g)

   Not Reporting on this Outcome Measure

Outcome #8
1. Outcome Measures

   # of program participants documented to have managed food budgets and related resources to meet family needs. (3.1.1h)

   Not Reporting on this Outcome Measure

Outcome #9
1. Outcome Measures

   # of program participants documented to have increased participation in public/community health-related programs. (3.1.1i)

   Not Reporting on this Outcome Measure

Outcome #10
1. Outcome Measures

   # of program participants documented to have reduced one or more chronic disease indicators. (3.1.1j)

   Not Reporting on this Outcome Measure

Outcome #11
1. Outcome Measures

   # of participating schools and/or communities documented to have made practice and policy changes to promote healthy eating and active living. (3.1.1k)

   Not Reporting on this Outcome Measure

Outcome #12
1. Outcome Measures

   # of program participants who have acted to improve their food security status. (3.1.2e)

   Not Reporting on this Outcome Measure
Outcome #13

1. Outcome Measures

# of participating communities that assess food insecurity and develop appropriate action plans. (3.1.2f)

Not Reporting on this Outcome Measure

Outcome #14

1. Outcome Measures

# of household and food handler participants documented to have increased application of safe food preparation practices (storage, preparation, and serving, i.e, HACCP standards. (3.1.3c)

Not Reporting on this Outcome Measure

Outcome #15

1. Outcome Measures

# of vulnerable children, youth and members of other priority groups documented to have reduced incidence of overweight and obesity as a result of participating in relevant educational programs. (3.1.1l)

Not Reporting on this Outcome Measure

Outcome #16

1. Outcome Measures

# of participating schools and/or communities reporting decline in incidence of overweight and/or indicators of chronic diseases associated with obesity. (3.1.1m)

Not Reporting on this Outcome Measure

Outcome #17

1. Outcome Measures

# of individuals or households documented to have improved food security status. (3.1.2h)

Not Reporting on this Outcome Measure

Outcome #18

1. Outcome Measures

# of participating communities reporting declines in food insecurity indicators. (3.1.2i)

Not Reporting on this Outcome Measure

Outcome #19

1. Outcome Measures

# of communities/firms/or organizations documented to have implemented improved practices or food safety policies as a result of participating in relevant educational programs. (3.1.3d)
Not Reporting on this Outcome Measure

V(H). Planned Program (External Factors)

External factors which affected outcomes
● Natural Disasters (drought, weather extremes, etc.)
● Economy
● Appropriations changes
● Public Policy changes
● Government Regulations
● Competing Public priorities
● Competing Programmatic Challenges
● Populations changes (immigration, new cultural groupings, etc.)

Brief Explanation
See unplanned programs reflecting NIFA priorities.

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

1. Evaluation Studies Planned
● After Only (post program)
● Retrospective (post program)
● During (during program)
● Comparisons between program participants (individuals, group, organizations) and non-participants
● Comparisons between different groups of individuals or program participants experiencing different levels of program intensity.

Evaluation Results
See unplanned programs reflecting NIFA priorities.

Key Items of Evaluation
See unplanned programs reflecting NIFA priorities.