Animals and Handwashing

(A). Planned Program (Summary)

1. Name of the Planned Program
Animals and Handwashing

(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>% 1880 Extension</th>
<th>% 1862 Research</th>
<th>% 1880 Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>802</td>
<td>Human Development and Family Well-Being</td>
<td>100%</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>100%</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(C). Planned Program (Inputs)

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

<table>
<thead>
<tr>
<th>Year: 2007</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>1.0</td>
<td>0.0</td>
</tr>
<tr>
<td>Actual</td>
<td>1.0</td>
<td>0.0</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>Extension</th>
<th>Research</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smith-Lever 3b &amp; 3c</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>27633</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1862 Matching</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>27633</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1862 All Other</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

(D). Planned Program (Activity)

1. Brief description of the Activity
-- We put hand washing signs at county and state fairs. -- Distributed hand washing cards at booths at county and state events. -- Made presentations at state and national Extension conferences.

2. Brief description of the target audience
Children and their families.
V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

<table>
<thead>
<tr>
<th>Year</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>20000</td>
<td>0</td>
<td>100000</td>
<td>0</td>
</tr>
<tr>
<td>2007</td>
<td>3975</td>
<td>3916</td>
<td>2375</td>
<td>1836</td>
</tr>
</tbody>
</table>

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

Patent Applications Submitted

<table>
<thead>
<tr>
<th>Year</th>
<th>Target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan:</td>
<td>0</td>
</tr>
<tr>
<td>2007:</td>
<td>0</td>
</tr>
</tbody>
</table>

Patents listed

3. Publications (Standard General Output Measure)

<table>
<thead>
<tr>
<th>Number of Peer Reviewed Publications</th>
<th>Extension</th>
<th>Research</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2007</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- People learning about the importance of handwashing at public events.

<table>
<thead>
<tr>
<th>Year</th>
<th>Target</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>80000</td>
<td>3808</td>
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</tbody>
</table>

Output #2

Output Measure

- Counties participating in the program

<table>
<thead>
<tr>
<th>Year</th>
<th>Target</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>40</td>
<td>20</td>
</tr>
</tbody>
</table>
### State Defined Outcomes

<table>
<thead>
<tr>
<th>O No.</th>
<th>Outcome Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>People washing their hands at public events.</td>
</tr>
</tbody>
</table>
Animals and Handwashing

**Outcome #1**

1. **Outcome Measures**
   People washing their hands at public events.

2. **Associated Institution Types**

   - 1862 Extension

3a. **Outcome Type:**
   Change in Knowledge Outcome Measure

3b. **Quantitative Outcome**

<table>
<thead>
<tr>
<th>Year</th>
<th>Quantitative Target</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>60000</td>
<td>0</td>
</tr>
</tbody>
</table>

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

**Issue (Who cares and Why)**

There is a need to increase awareness of participants at fairs and festivals about the importance of hand washing, especially after touching animals. The program attempts to increase awareness of the general public by posting hand-washing signs at fairs and to impact the attitudes and behaviors of members of county and fair boards about hand washing.

**What has been done**

1. County agents posted Animals and Hand-washing signs at their fairs.
2. County agents reminded/trained animals exhibitors about animals and hand washing.
3. County agents provided additional hand-washing stations, hand sanitizer, and/or pamphlets at their fairs.
4. County agents presented Animals and Hand-washing presentations at county fairs for fair goers.
5. Information about the Animals and Hand-washing research project was disseminated through a juried poster session at the NEAFCS conference.

**Results**

1. Over 300 Extension professionals visited poster session at national conference where knowledge and results of our research project were shared.
2. At one county fair, the WV Dept of Agriculture provided hand-washing stations at their barn and they observed that they were used more this year than previous years.
3. Observed decrease of hand to mouth contact in barns and increased hand washing after handling animals.
4. Observed student efforts to clean hands during demonstration at Farm Day using Germ City.

4. **Associated Knowledge Areas**

<table>
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<tr>
<td>802</td>
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**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Government Regulations
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

**Brief Explanation**

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

1. Evaluation Studies Planned
Animals and Handwashing

- After Only (post program)
- During (during program)
- Time series (multiple points before and after program)
- Comparison between locales where the program operates and sites without program intervention

Evaluation Results

Key Items of Evaluation