

Dairy Team

Dairy Team

V(A). Planned Program (Summary)

1. Name of the Planned Program

Dairy Team

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
307	Animal Management Systems	20%		20%	
315	Animal Welfare/Well-Being and Protection	20%		20%	
401	Structures, Facilities, and General Purpose Farm Supplies	20%		20%	
601	Economics of Agricultural Production and Farm Management	20%		20%	
802	Human Development and Family Well-Being	20%		20%	
Total		100%		100%	

V(C). Planned Program (Inputs)

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

Year: 2007	Extension		Research	
	1862	1890	1862	1890
Plan	7.0	0.0	5.1	0.0
Actual	7.0	0.0	2.6	0.0

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

Extension		Research	
Smith-Lever 3b & 3c 224405	1890 Extension	Hatch	Evans-Allen
	0	158592	0
1862 Matching 224405	1890 Matching	1862 Matching	1890 Matching
	0	158592	0
1862 All Other 1159115	1890 All Other	1862 All Other	1890 All Other
	0	2143303	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

While there are 6 topic areas that reflect the ISU Extension Dairy Team’s priorities, the Team focused on 4 of the 6 areas in the July 06- June 07 reporting period:

1. Increase dairy farm business planning to establish new dairies, remodel or expand existing dairies, assist transitioning farmers, establish new dairy enterprises including grass-based and organic systems, confinement systems, and young stock systems.
2. Increase adoption of more competitive dairy production systems and practices
3. Adopt, apply, and evaluate approaches to integrated dairy herd and health management
4. Increase the awareness and use of interpersonal and organizational skills by dairy personnel.

The following section describes program efforts for each of these 4 priority areas.

1. Increase dairy farm business planning, start up of new, remodel/expansion of existing dairies:
 - Assisted with establishment of new family-owned dairies relocating from Holland via the New Farm Family Program
 - Assisted with remodel and start-up of dairy enterprises for beginning farmers seeking low-cost start-up strategy
 - Provided educational programs or tours to community citizens, leaders, and economic developers seeking information about potential impacts of new dairy start-ups in their regions
 - Assisted with start-up of new dairy producer organization dedicated to issues of dairy growth, economic impact on rural communities, support to existing farmers, and encouragement of beginning farmers
 - Conducted educational farm tours for dairy producers to dairy farm sites that have been remodeled/upgraded through installation of low-cost parlors
2. Increase adoption of more competitive dairy production systems and practices
 - Hosted Dairy Facilities Conference for dairy communities in NE and NW Iowa
 - Conducted workshop for agri-business and dairy producers on method to conduct whole farm financial analysis and benchmarking
 - Hosted Dairy Days and I-29 Conference to update dairy communities in NE and NW Iowa on pertinent herd management topics
 - Coordinated and delivered farm safety training in English and Spanish
 - Conducted on-farm training on herd management topics to Hispanic workforce
3. Adopt and apply approaches to integrated dairy herd and health management
 - Conducted Biological Risk Management assessments in NE and NW Iowa as part of collaboration between researchers in Iowa and California seeking to understand association between specific herd health practices and actual herd health performance.
 - Conducted on-farm training on herd management topics to Hispanic workforce
4. Increase the awareness and use of interpersonal and organizational skills by dairy personnel.
 - Hosted an Employee Management Seminar for dairy producers and managers from other industries
 - Partnered with Midwest Dairy Association to provide training workshop for dairy owners and agri-business staff to improve communication and positive public relations about the dairy industry

2. Brief description of the target audience

- Dairy producers
- Beginning farmers
- Agricultural lenders
- Dairy nutritionists
- Other agri-business personnel
- Builders and contractors
- Dairy veterinarians
- Economic development partners
- Iowa Department of Natural Resources

V(E). Planned Program (Outputs)

1. Standard output measures

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

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	10000	2500	2300	1050
2007	33003	13100	1537	0

Dairy Team

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

Patent Applications Submitted

Year	Target
Plan:	0
2007:	1

Patents listed

Method and Composition for Coating Wound or Protecting Animal Skin

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan			
2007	2	1	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

Research/demonstration studies

Year	Target	Actual
2007	3	0

Output #2

Output Measure

Publications

Year	Target	Actual
2007	6	0

Output #3

Output Measure

Workshops

Year	Target	Actual
2007	42	0

V(G). State Defined Outcomes

O No.	Outcome Name
1	Number of new dairy farms established.
2	Percent of dairy producers who adopt more competitive dairy production systems and practices.
3	Percent of Iowa producers who adopt integrated dairy herd and health management practices that result in improved profitability, enhanced food quality and safety, and improved environmental stewardship.
4	Percent of producers who will increase the awareness and use of interpersonal and organizational skills when managing family or non-family personnel.
5	Percent of producers increasing the efficiency of manure and crop nutrient utilization while minimizing surface run-off and preserving ground water and air quality.

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

Natural Disasters (drought, weather extremes, etc.)

Competing Programmatic Challenges

Brief Explanation

1. A state-wide blizzard hit at the end of February on the dates originally scheduled for the 2 site/2 day Dairy Facilities Conference. Planners re-scheduled to early April dates. The re-scheduling and early spring dates decreased actual attendees from the list of those originally pre-registered for the February dates.

2. The Dairy Team has been without an Ag Engineer. Without this position filled, substantial progress on the program objectives in areas of manure nutrient management and energy efficiency and conservation will not be made.

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

1. Evaluation Studies Planned

After Only (post program)

Evaluation Results

The Dairy Facilities Conference was a project planned and coordinated by NE and NW Iowa Dairy Team Extension staff, along with partners in the private and public sectors. The purpose of the event was to provide learning forum for dairy producers, consultants, and agri-business services to gain updates on dairy buildings. This meeting was planned in response to increased interest and activity statewide on new, remodeled, or expanded facilities. The results summary gives details about the depth or coverage on this topic:

Results of the Post-meeting Survey:

- 100% either Agreed or Strongly Agreed that the conference increased their dairy facility awareness
- 98% Agreed or Strongly Agreed that gained better understanding of the critical components of a good dairy facility
- 91% Agreed or Strongly Agreed that the conference broadened their knowledge of on-farm energy conservation
- 94% Agreed or Strongly Agreed that the conference increased their knowledge about milking center planning
- 90% Agreed or Strongly Agreed that the conference increased knowledge about manure management strategies
- 89% Agreed or Strongly Agreed that conference increased their understanding of dairy financial planning guidelines

Key Items of Evaluation