

V(A). Planned Program (Summary)

Program # 5

1. Name of the Planned Program

Plant Production Systems

Reporting on this Program

Reason for not reporting

Planning & Reporting Units restructured. See data in Cropping Systems.

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

V(C). Planned Program (Inputs)

1. Actual amount of FTE/SYs expended this Program

Year: 2014	Extension		Research	
	1862	1890	1862	1890
Plan	15.0	0.0	26.0	0.0
Actual Paid	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
Actual Volunteer	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

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

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 Matching	1890 Matching	1862 Matching	1890 Matching
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}
1862 All Other	1890 All Other	1862 All Other	1890 All Other
{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}	{NO DATA ENTERED}

V(D). Planned Program (Activity)

1. Brief description of the Activity

- Conduct basic and applied research in plant productions systems.

- Workshops and educational classes for producers.
- Utilize demonstration plots and field days to communicate program results.
- Use individual counseling with producers and clientele on specific plant production problems.

2. Brief description of the target audience

Individual agricultural producers, homeowners, agribusinesses, and commodity organizations.

3. How was eXtension used?

{No Data Entered}

V(E). Planned Program (Outputs)

1. Standard output measures

2014	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Actual	0	0	0	0

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

Patent Applications Submitted

Year: 2014

Actual: {No Data Entered}

Patents listed

{No Data Entered}

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2014	Extension	Research	Total
Actual	3	15	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- PM 14) New Technologies Expected to be Adopted by Producers

Year	Actual
2014	0

Output #2

Output Measure

- PM 2) Pest diagnostics in field, urban, office, individual settings.

Year	Actual
2014	0

Output #3

Output Measure

- PM 3) Trainings/Classes/Workshops, Field Days, Activity Days.

Year	Actual
2014	0

Output #4

Output Measure

- PM 4) Trainings for Volunteers.

Year	Actual
2014	0

Output #5

Output Measure

- PM 5) Trainings for Extension Staff.

Year	Actual
2014	0

Output #6

Output Measure

- PM 6) Community Meetings Convened [examples: Advisory Groups, Councils, Coalition Meetings, Boards].

Year	Actual
2014	0

Output #7

Output Measure

- PM 7) Direct Communication/Education by field call, telephone and/or e-mail.

Year	Actual
2014	0

Output #8

Output Measure

- PM 8) Newsletters (This is number of newsletters, not number mailed or number of Coloradans who received them.)

Year	Actual
2014	0

Output #9

Output Measure

- PM 9) Websites (number of Websites)

Year	Actual
2014	0

Output #10

Output Measure

- PM 10) Websites (number of hits).

Year	Actual
2014	0

Output #11

Output Measure

- PM 11) Press/News Releases or Columns (number submitted).

Year	Actual
2014	0

Output #12

Output Measure

- PM 12) Volunteers (total) in Planned Program.

Year	Actual
2014	0

Output #13

Output Measure

- PM 13) Certified Master Volunteers (of those in #12).

Year	Actual
2014	0

Output #14

Output Measure

- PM 15) External Grant Dollars and User Fee Dollars in support of relevant Extension and outreach project and activity.

Year	Actual
2014	0

Output #15

Output Measure

- SFSC 1) Trainings/Classes/Workshops, Field Days, Activity Days.

Year	Actual
2014	0

Output #16

Output Measure

- SFSC 2) Direct Communication/Education by telephone and/or e-mail.

Year	Actual
2014	0

Output #17

Output Measure

- WOCS 1) Trainings/Classes/Workshops, Field Days, Activity Days.

Year	Actual
2014	0

Output #18

Output Measure

- WOCS 10) Press/News Release or Column (number submitted)

Year	Actual
2014	0

Output #19

Output Measure

- WOCS 11) Volunteers (total) in Planned Program

Year	Actual
2014	0

Output #20

Output Measure

- WOCS 12) New Technologies Expected to be Adopted by Producers

Year	Actual
2014	0

Output #21

Output Measure

- WOCS 13) External Grant Dollars

Year	Actual
2014	0

Output #22

Output Measure

- WOCS 14) User Fees

Year	Actual
2014	0

Output #23

Output Measure

- WOCS 3) Websites (number of hits).

Year	Actual
2014	0

Output #24

Output Measure

- WOCS 2) Community Coalitions, Collaborations, Alliances Formed to Address a Specific Issue.

Year	Actual
2014	0

Output #25

Output Measure

- WOCS 6) Direct contact (one-on-one and group) with producers.

Year	Actual
2014	0

Output #26

Output Measure

- WOCS 7) Newsletters (This is number of newsletters, not number mailed or number of Coloradans who received them.)

Year	Actual
2014	0

Output #27

Output Measure

- WOCS 8) Websites (number of Websites, not number of hits)

Year	Actual
2014	0

Output #28

Output Measure

- PM 1) News Releases sharing Applied Research & Demonstration Progress in support of relevant extension and outreach project and activity.

Year	Actual
2014	0

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	Economic impact of the change in behavior reported.
2	Adoption of improved wheat cultivars.
3	PM 1.1 a: Participants will improve or intend to improve their practices, decisions and skills in action through timely access to pest management resources and/or pest identification and IPM implementation.
4	WOCS 1.1: % wheat (or other crop) acres planted to CSU and other recently released improved varieties.
5	WOCS 1.2: % of field crop acreage under crop and soil management systems that result in an enhancement of soil health and crop productivity (includes but is not limited to no-till or conservation tillage practices)
6	WOCS 1.3: % of producers using new marketing and/or management techniques for enhancing enterprise efficiency and optimizing net profits
7	WOCS 1.4: % of producers using research based nutrient management practices for cropping systems
8	WOCS 1.5: % of producers using research based integrated pest management practices for field crops
9	WOCS 2.1: % of farmed acreage planted to diversified cropping systems.
10	WOCS 2.2: % of farmed acreage managed with research based best management practices for water use crop efficiency
11	Adoption of crop production technology as measured by agricultural statistics
12	SFSC 1.1) Participants intend to adopt or have adopted soil management practices that will increase soil health/quality (carbon, biology, structure, etc.)
13	SFSC 1.2) Participants intend to adopt or have adopted soil fertility/plant nutrient best management practices.
14	SFSC 1.3) Participants intend to implement or have implemented more efficient methods of irrigation and soil moisture management.
15	SFSC 1.4) Participants have implemented strategies for improving crop yield and quality, and/or livestock product output and quality.
16	SFSC 2.1) Participants develop and use business, marketing and production plans.

17	SFSC 2.2) Participants use a record-keeping system for financial and production records.
18	SFSC 2.3) Participants intend to adopt or have adopted risk management strategies for ag business management.
19	SFSC 2.4) Participants have accessed resources, information and networks to improve their production enterprises.

Outcome #1

1. Outcome Measures

Economic impact of the change in behavior reported.

2. Associated Institution Types

- 1862 Extension
- 1862 Research

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)
{No Data Entered}

What has been done
{No Data Entered}

Results
{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #2

1. Outcome Measures

Adoption of improved wheat cultivars.

2. Associated Institution Types

- 1862 Extension
- 1862 Research

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #3

1. Outcome Measures

PM 1.1 a: Participants will improve or intend to improve their practices, decisions and skills in action through timely access to pest management resources and/or pest identification and IPM implementation.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #4

1. Outcome Measures

WOCS 1.1: % wheat (or other crop) acres planted to CSU and other recently released improved varieties.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #5

1. Outcome Measures

WOCS 1.2: % of field crop acreage under crop and soil management systems that result in an enhancement of soil health and crop productivity (includes but is not limited to no-till or conservation tillage practices)

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #6

1. Outcome Measures

WOCS 1.3: % of producers using new marketing and/or management techniques for enhancing enterprise efficiency and optimizing net profits

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #7

1. Outcome Measures

WOCS 1.4: % of producers using research based nutrient management practices for cropping systems

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
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{No Data}	null
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Outcome #8

1. Outcome Measures

WOCS 1.5: % of producers using research based integrated pest management practices for field crops

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
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{No Data}	null
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Outcome #9

1. Outcome Measures

WOCS 2.1: % of farmed acreage planted to diversified cropping systems.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
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{No Data}	null
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Outcome #10

1. Outcome Measures

WOCS 2.2: % of farmed acreage managed with research based best management practices for water use crop efficiency

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #11

1. Outcome Measures

Adoption of crop production technology as measured by agricultural statistics

2. Associated Institution Types

- 1862 Research

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #12

1. Outcome Measures

SFSC 1.1) Participants intend to adopt or have adopted soil management practices that will increase soil health/quality (carbon, biology, structure, etc.)

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #13

1. Outcome Measures

SFSC 1.2) Participants intend to adopt or have adopted soil fertility/plant nutrient best management practices.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code Knowledge Area

{No Data} null

Outcome #14

1. Outcome Measures

SFSC 1.3) Participants intend to implement or have implemented more efficient methods of irrigation and soil moisture management.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #15

1. Outcome Measures

SFSC 1.4) Participants have implemented strategies for improving crop yield and quality, and/or livestock product output and quality.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)
{No Data Entered}

What has been done
{No Data Entered}

Results
{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #16

1. Outcome Measures

SFSC 2.1) Participants develop and use business, marketing and production plans.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
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{No Data}	null
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Outcome #17

1. Outcome Measures

SFSC 2.2) Participants use a record-keeping system for financial and production records.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code Knowledge Area

{No Data} null

Outcome #18

1. Outcome Measures

SFSC 2.3) Participants intend to adopt or have adopted risk management strategies for ag business management.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
{No Data}	null

Outcome #19

1. Outcome Measures

SFSC 2.4) Participants have accessed resources, information and networks to improve their production enterprises.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Actual
2014	0

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
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{No Data}	null
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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 Programmatic Challenges

Brief Explanation

{No Data Entered}

V(I). Planned Program (Evaluation Studies)

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}