

Exhibit Number: 1

Title: *The Montana Agricultural Experiment
Station*

This exhibit is a full colored paper copy of a Power Point Presentation. The color portion scans black, making it difficult to view. A small portion has been scanned but the clarity is poor. The colored copy is on file at the Montana Historical Society and may be viewed there.

18 Slides

**MONTANA AGRICULTURAL
EXPERIMENT STATION**

Jeff Jacobson
Dean and Director
Joint Education Subcommittee
2/8/2005



1. Hatch Act of 1887, as approved Mar. 2, 1887
 Photo from In The People's Interest, "A Centennial History of Montana State University" ©1992, MSU Foundation

**PLANT and ANIMAL
RESEARCH**



INNOVATIVE LEARNING

- Biotechnology
- Environmental Sciences
- Equine Science
- Horticulture
- Land Rehabilitation
- Preveterinary Medicine



**DISCOVERY
MONTANA AGRICULTURAL
EXPERIMENT STATION**

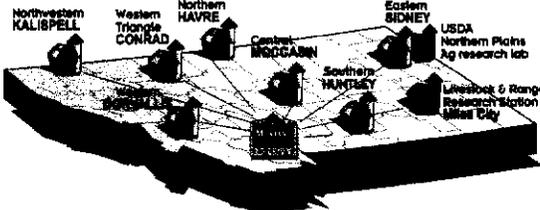


Photo courtesy: Sam Taylor, MSU Communications Services

MONTANA BEEF NETWORK +

- MSU and MSGA/ranchers (1999)
- Economic value demonstrated
 - \$1.56/cwt additional for steers
 - \$1.09/cwt additional for heifers
- Source-verified programs looking for Montana cattle
- www.mbn.montana.edu



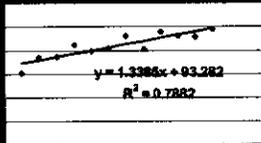
Photos and text courtesy: Lisa Duffy, Montana Beef Network

TAGS AND EQUIPMENT

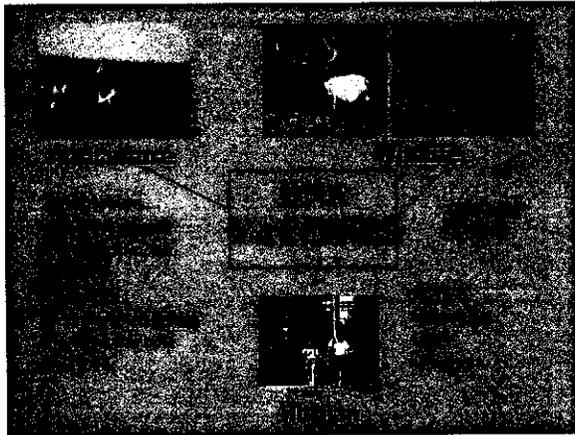



Photos and text courtesy: Lisa Duffy, Montana Beef Network

Winter Wheat Trends



• Best 5 lines
— Linear (Best 5 lines)



SUSTAINABILITY OF SELECTED PLANT SPECIES THAT REMOVE SALTS AND SODIUM FROM SOIL

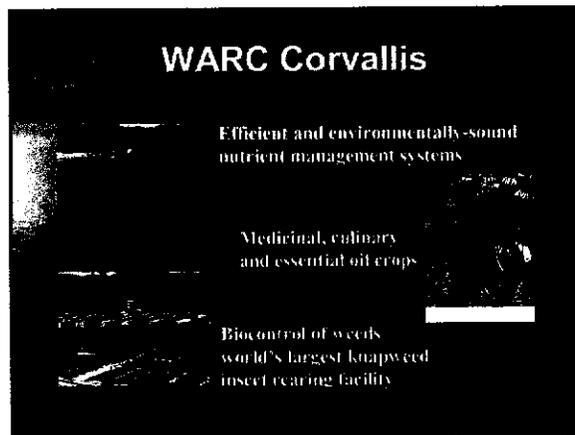


WARC Corvallis

Efficient and environmentally-sound
nutrient management systems

Medicinal, culinary
and essential oil crops

Biocontrol of weeds
world's largest knapweed
insect rearing facility

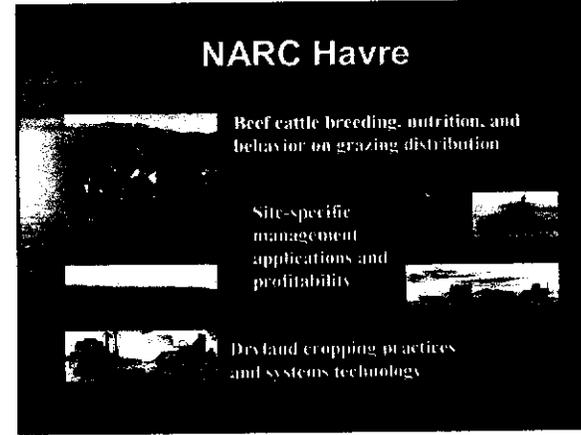


NARC Havre

Beef cattle breeding, nutrition, and
behavior on grazing distribution

Site-specific
management
applications and
profitability

Dryland cropping practices
and systems technology



MAES RESEARCH DIRECTION

MAES

Strategic Investments

- + Integrated Weed Management
- + Biocontrol Weed Management
- + Animal Physiologist

MAES

Overhead

- + Estimated MSU overhead, ABS O+M, Internet
- + Current MSU Overhead

MAES BUDGET PROCESS

"REMAINS THE RATIO BETWEEN STATE FUNDING VERSUS OTHER FUNDING SOURCES.....FEDERAL, SALES, INTEREST AND OTHER SOURCES"

0.76

FORMULA CHALLENGES

- FEDERAL.....administration (3), equal state (20), farm population (26), rural population (26), regional research (25)
- SALES.....total (\$2M) versus MAES (\$0.6M) plus LARRL (\$1.4M)
- INTEREST.....ok
- OTHER SOURCES.....

SUMMARY CHALLENGES

- Investments....positions, overhead
- Federal revenue....STATIC, not responsive to PLA
- Sales revenue....remove LARRL