2007 CONFERENCE WORKSHOPS

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An Audio CD of the keynote address, "The Farm Bill,"
Larry Kleingartner, Executive Director
National Sunflower Association
is available at the above link.

"A Special Thanks to our In-Kind Platinum Sponsor,
the National Conference Recording Service for making it possible
to extend the conference to those who were unable to attend."

AGR-LITE Insurance & LRP Insurance

John Deering, Agriculture and Business Management Extension Agent, Colorado State University Cooperative Extension, Akron, CO

This program will highlight two insurance programs available to farmers and ranchers in Colorado and neighboring states. AGR Lite is a whole-farm revenue protection insurance package, protecting your operation against low revenue due to natural disasters and market fluctuations. LRP insurance is designed to insure against declining livestock market prices.

Autoguidance and Boom Control: When Do These Toys Pay?

Terry Kastens, Ph, D., Extension Agricultural Economist, Land Management, Kansas State University, Manhattan, KS

Autoguidance reduces overlap, which reduces machinery and crop input costs. Field size and shape greatly impact machinery costs with larger machines. Boom shutoffs on sprayers and section control on seeding equipment easily can pay in odd-shaped fields – due to reduced machinery and input cost, and less crop losses on headlands due to double application.

Colorado Climate 2006-07 – Where Are We Headed Next?

1 CEU in Crop Management

Nolan Doesken, State Climatologist, Dept of Atmospheric Sciences, Colorado Climate Center, Colorado State University, Fort Collins, CO

Climatic conditions experienced in Colorado during 2006 will be described such as the unusually dry winter, spring and early summer across eastern Colorado. Current moisture conditions and weather patterns will be described, and prospects for the 2007 growing season will be presented.

Commodities Marketing

Jack Zenner, Farmers Elevator Company, Fort Collins, Colorado

Grain Supply/Demand and Marketing will be addressed. Jack will cover the market history, current supply-demand tables and projection, ethanol and marketing in general.

Dryland Crops

1 CEU in Crop Management

Sue Gray, Agronomist, John Deere Company, Moline, Il

This breakout will focus on dryland production practices and what John Deere has seen from an industry perspective in terms of research, field testimonies, etc. and how this has impacted how their industry does business and how it influences the types of products they bring to the market.

Dryland No-Till Crop Selection for the High Plains

1 CEU in Crop Management

Terry Kastens, Ph, D., Extension Agricultural Economist, Land Management
Kansas State University, Manhattan, KS

Crop yield trials in the wetter 1990s suggest a preference for corn and less fallow on the High Plains. Research in the drier 2000s suggests a movement back to wheat-fallow. What is the farmer to do in light of conflicting research? A reasonable answer might lie in looking at much longer tern weather patterns.

Enhanced Efficiency Fertilizer Materials

1 CEU in Crop Management

Mike Stewart, Ph.D, Southern Great Plains Director, Potash & Phosphate Institute, San Antonio, TX

This breakout will cover definitions and history of enhanced efficiency N fertilizers, classes or groupings of enhanced efficiency N fertilizer materials, mechanisms and factors affecting N release and utility, applications and suitabililty.

Forage Triticale – Varities and Triticale/Pea Seed Mixtures

1 CEU in Crop Management

David Poss, Support Scientist, USDA/ARS Central Great Plains Research Station, Akron, CO

We will look at research conducted during the 2005/2006 crop year including a triticale variety trial and an experiment looking at the possibility of reducing N fertilizer application rates by planting peas with the triticale.

Home-Grown Farm Fuel

Dan McAmoil, Producer, Penokee, KS

Listen to the farmer who has this to say: “I am making and using farm fuel for my farm. It is very cost effective. I can make farm diesel for $1.00 a gallon. Engine fuel performance is beyond belief! Every tractor, combine, off engine has gained no less than 25% in fuel efficiency. No chemicals, or cooking, or washing needed. No changes on engine needed. Press, filter, thin, pour and go.”

Irrigation in the South Platte Basin – How Much Longer Will it Last?

1 CEU in Soil and Water

Greg Hertzke, Water Acquisitions Manager, Central Colorado Water Conservancy District, Greeley, CO

Land Lease Hunting

Quinten Smith, Outfitter, Limon, Colorado

Limited Irrigation Management
1 CEU in Soil and Water
Joel Schneekloth, Northeast Regional Water Resource Specialist, Colorado State University, Akron, CO

Are you limited on the amount of water you have available for irrigation? If so, are you going to limit acres or reduce irrigation amounts or grow alternative crops? This presentation will discuss the general management practices of limited irrigation management practices. Discussion will include water timing impacts on yields, inclusion of forages into irrigated rotations and general crop rotation impacts on water.

New Advancements in Sunflower Production
1 CEU in Crop Management
Ron Meyer, Area Extension Agronomist, Colorado State University Cooperative Extension, Burlington, CO

New research results will be presented that address insect issues, stand establishment, fertility information as related to sunflower production strategies.

No-Till Fundamentals
1 CEU in Soil and Water
David Nielson, Research Agronomist, USDA/ARS Central Great Plains Research Station, Akron, CO

This session will cover water and Crop Yield, Crop Residue and Precipitation Storage, Crop Selection, Equipment, Herbicides and Rotational Yield Histories at Akron.

Precision Agriculture – Beginning Level
2 CEU in Crop Management
Dr. Raj Khosla, Associate Professor, Geospatial Technologies & Precision Agriculture, Colorado State University, Fort Collins, CO
Pre-Registration required – limited number

The beginning level workshop will provide an in-depth understanding of what “Site-Specific Management Zones” are and how are they agronomically, environmentally and economically beneficial for crop productions systems. A short hands-on works will include beginner level familiarity with the laptop, file manager system, types of files when working with GIS data and yield monitor data, etc.

Precision Agriculture – Advanced Level
2 CEU in Crop Management
Dr. Raj Khosla, Associate Professor, Geospatial Technologies & Precision Agriculture, Colorado State University Pre-Registration required – limited number. Must have attended beginning level program or have basic working knowledge of the program.

The advanced level workshop will provide hands-on experience (working on laptop computers with a suite of GIS Software) to develop understanding and skills needed to make better management decisions with respect to: Grain Yield monitor map data interpretation, Delineation of Management zones on farm fields and Nutrient management on Management Zones. At the end of the workshop, the participants should be able to create yield maps and look for anomalies and be able to interpret the map for better management decisions. They should also be able to understand the rationale for developing and using management zones on farm fields.

Renewable Energy Crop Production, Opportunities and Challenges
1 CEU in Crop Management
Brian Starkebaum, Project Director, Republican River Basin Pathways Project, Yuma, Colorado

Renewable Energy Crop Production, Opportunities and Challenges offers a brief look into the successes we have had, the challenges we face, and the opportunities in the future for renewable crops.

Skip Row Planting as a Drought Mitigation Method
1 CEU in Crop Management
Merle F Vigil, Research Leader/Soil Scientist, USDA-ARS Central Great Plains Research Station
Jack Maranville, Producer, Matheson, Colorado
Justin Wagers, Producer, Woodrow, Colorado

This presentation will consist of presentations on skip-row planting of corn, sorghum and sunflowers. We have 13 site years of data: 3 with grain sorghum, 1 with sunflowers and 9 with corn. The method has had erratic results in that sometimes it works well and other times no differences are measured in skip-row versus conventional planting. Weather (timing and amount of rainfall received) and hybrid/variety seems to determine if there will be significant treatment differences with this method.

The Farm Bill – Part II
1 CEU in Crop Management
Larry Kleingartner, Executive Director, National Sunflower Association
Bismarck, ND

This breakout session will be a continuation of the Keynote address on Tuesday and will give more details and an opportunity for discussion.

USDA – LAWS AND REGULATIONS
2 CEC in Laws and Regulations
James Wynn

This breakout session will go over the procedure for obtaining and maintaining a license as private and commercial applicators with a special emphasis on private applicators.

Weed Management
1 CEU in Pest Management
1 CEC in Weed Management
Drew Lyon, Extension Dryland Cropping Specialist, University of Nebraska Panhandle Research & Extension Center, Scottsbluff, NE

This breakout will cover how to limit introduction and spread of weeds. We will cover helping crops compete with weeds and keeping weeds off balance. Conservation tillage systems and herbicide-resistant weeds will also be discussed.

What is Driving Sunflower Markets?
Larry Kleingartner, Executive Director, National Sunflower Association, Bismarck, ND

There are new market rules for sunflower due to strong domestic and export demand for volume and quality in oil and confection. Prices should remain competitive into the future as the market

buys acres to meet demand. This is compounded by an emerging bio-diesel demand that will place new price pressures in the system.

Wind Energy
Tony Frank, Director, Renewable Energy Development Cooperative Development Center, Farmers Union, Greenwood Village, CO

This breakout will cover small wind systems and applications, technology and policy considerations, commercial scale wind projects, locally-owned community wind projects, wind resources at the local, state and national levels and financing tools for wind development.