

20th Annual Conference Workshops February 5-6, 2008

Carbon Credits

Chad Martin, Aggregation Specialist, AgraGate Carbon Credits Corp., 5400 University Avenue, West Des Moines, IA 50266, cmartin@agragate.com www.agragate.com

With more than 1,500,000 acres aggregated from farmers and landowners in 24 states, AgraGate is the nation's leading supplier of carbon credit aggregation services to agriculture. In a nutshell, AgraGate is the "country elevator" of the carbon credits marketplace. The company is a wholly owned subsidiary of the IFBF (Iowa Farm Bureau Federation).

Power Point from Conference: The Basics of Carbon Credits

Carbon Sequestration, What Are Carbon Credit? Greenhouse Effects & Gases, How Land is Used, Soil Carbon Dynamics in Response to Tillage. Loss of Soil Carbon, Increasing Carbon Pools, Soil Carbon Sequestration, Chicago Climate Exchange, Carbon Credit Programs, Offsets, Contract Terms, Rangeland Project Eligibility.

Cellulosic Biofuels

Dr Kenneth Reardon, Professor of Chemical Engineering, 1370 Campus Delivery, CSU, Fort Collins, CO 80523, kenneth.reardon@colostate.edu

Dr Lee Sommers, Director of Ag Experiment Station, 16 Administration, CSU, Fort Collins, CO 80523, Lee.sommers@colostate.edu

After an overview of lignocellulosic biofuels, agricultural crops and residues will be discussed as potential biomass sources for their production.

Cob Collector Combine

Ty Stukenholtz, Inventor, Nebraska City, NE, tystukenholtz@windstream.net

Learn about a unique system that fits on any rotary combine to simultaneously harvest grain and collect cellulosic residues without slowing down the harvesting process or excess fossil fuel usage.

Colorado Water Laws

Ken Knox, Chief Deputy State Engineer, Colorado Division of Water Resources, 1313 Sherman Street, Room 818, Denver, CO 80203 ken.knox@state.co.us

1 CEU in Professional Development

Power Point from Conference: Western Water Law and Administration

Allocation Law, Interstate River Compacts, Surface Water Divisions, and more.

Continuous Cropping

Curt Sayles, owner of CSF Farms, Seibert, CO, cursay@plainstel.com

Scott Ravenkamp, Producer, Ravenkamp Farms, Hugo, CO; scottrav@rebeltec.net

Gary Maskus, producer, Arriba, CO, gmaskus@plains.net

Eastern Colorado dryland producers share their experiences with continuous cropping systems on the high plains.

Power Point from Conference: [Continuous Cropping](#)

Reasons for starting No-Till, Reasons for starting Continuous No-Till, What is Done (fertilizing, seed, planting, other considerations), Harvest, What's Next?

Crops for Biofuel Feedstock

David Nielsen, Research Agronomist, USDA-ARS Central Great Plains Research Station, 40335 County Road GG, Akron, CO 80702, david.nielsen@ars.usda.gov

1 CEU in Crop Management for attendance at one of the two sessions

This session will describe potential crops for biofuels production, their water use, yield potential under varying water conditions, and production practices. Crops will include canola, mustard, camelina, soybean, sunflower, safflower and corn.

Eminent Domain Update Colorado: What You Need to Know

Sharon Croghan, President, Save Our Homes Coalition, Keensburg, CO. **Bob Hoban**, Attorney, Frank and Finger, PC, Evergreen, CO.

This breakout will cover eminent domain law - nationally and locally, changes, short comings and improvements.

Power Point from Conference: [Eminent Domain](#)

History, Definition, Recent Changes to Colorado Statutes, Blight Definition, Tax Increment Financing, Outstanding Issues, What Can You Do?

Property Rights Groups You Can Join:

Statewide in Colorado: www.theCPRC.org www.prfw.org

National: www.ij.org www.castlerockcoalition.org www.stewards.us

Estate Tax Planning Part 1

Ron Rutz, Attorney At Law, 2625 Redwing Road, Suite 180, Fort Collins, CO 80526, rutz@ronaldrutz.com

Examining issues of the different kinds of Wills, Wills vs. Living Trusts, Durable Powers of Attorney, gifting, conservation easements, oil and gas planning, the use of limited liability companies (LLC's), water rights, all in an agricultural estate planning setting.

Estate Tax Planning Part 2

Ron Rutz, Attorney At Law, Fort Collins, CO

Continuation of the above program.

Farmers Living With Limited Water

Dennis Coryell and Zach Coryell, Producers, Coryell Farms, Burlington, CO, dcor@starband.net

Alan Gerk, Producer, Iliff, CO, almigerk@kci.net

Mark Watson, Producer, Alliance, NE, garbanzobeanfarmer_mark@hotmail.com

1 CEU in Soil and Water for attendance at one of the two sessions

High Plains producers share their experiences and expertise on farming with limited water.

Power Point from Conference: Watson Brothers Farming

Mark Watson has farmed no till with his brother Bruce since 1994. They farm approximately 3000 acres, predominately dryland, but they do have 3 center pivots and will be farming 6 more center pivots in 2008. They produce corn, wheat, edible beans, and proso millet. He and his brother were honored as Master Conservationists in Production in 2007 from the University of Nebraska Institute of Agricultural and Natural Resources and the Omaha World Herald.

Feasibility of Land Rental

John Deering, Extension Agriculture and Business Management Area Agent, 181 Birch Ave, CSU, Akron, CO, 80720, john.deering@colostate.edu

1 CEU in Professional Development

Farmland cash leases are becoming a fact of life for farmers as absentee land ownership becomes more widespread. Negotiating fair and equitable lease arrangements is crucial in maintaining good working relationships with landowners and most importantly, in continuing farm profitability. He will discuss and demonstrate methods and materials that make this process easier for farmers and landowners alike.

Power Point from Conference: Feasibility of Land Leasing

Leasing Guidelines, Cash Rent Trend, Negotiating New Leases, Leasing Options, Analysis Tool

Grain Sorghum

Farmer Panel,

Shelby Britten, Britten Farms, Haswell CO

Chris Bogert, Producer, Dix, NE, cbbogert@daltontel.net

Tim Beim, Producer, Phillipsburg, KS

High Plains producers share their experiences and expertise on growing Grain Sorghum.

Grow Your Own Future: Seeds into Diesel Fuel

Micah Allen, Engineering Project Manager, iCAST, International Center For Appropriate and Sustainable Technology, 8745 W 14th Ave, Suite 220, Lakewood, CO 80215, micah@icast.org

100 years ago farmers devoted part of their field to fueling their horsepower. Today, that's possible by growing oil seeds and manufacturing Biodiesel. We will describe the process, demonstrate it on a fully functioning demonstration unit and answer any questions you may have.

Keys to Drift Spray Management

Chad Fabrizio, Local Field Advisor, Monsanto, 3326 Lincoln Drive, Hayes, Kansas 67601, chad.h.fabrizius@monsanto.com

1 CEC - Environmental Protection for attendance at one of the two sessions

1 CEU in Pest Management for attendance at one of the two sessions

This program will cover the basics of pesticide spray drift. Topics covered will include an overview of drift types, weather factors affecting drift, pesticide applicator record keeping requirements, nozzle technology, and strategies to reduce spray drift.

Power Point from Conference: Keys to Drift Spray Management - Sorry, unable to get this Power Point to work on website.

Why Interest in Drift Spray, Reasons for Record Keeping, Technical Aspects of Drift Spray (definition, types, factors, weather), Wind and Drift Spray, Inversions, Evaporation, Strategies to Reduce Drift Spray.

Laws and Regulations for Commercial Applicators

Matt Lopez, Colorado Department of Agriculture. matt.lopez@ag.state.co.us

2 CECs - Laws and Regulations for attendance at all of the Laws and Regulations session.

1 CEU in Pest Management

This session will be geared toward the private applicator.

Limited Irrigation Research

Joel Schneekloth, Northwest Regional Water Resource Specialist, CSU, 40334 Cnty Rd GG, Akron, CO, 80720, joel.schneekloth@colostate.edu

Allan Andales, Assistant Professor, CSU, Soil and Crop Sciences Department, C111 Plant Sciences, Fort Collins, CO, 80523, allan.andales@colostate.edu

1 CEU in Soil and Water for attendance at one of the two sessions

Water supplies throughout Colorado have been limited by weather and litigation. In many regions, adequate water supplies are unavailable on a continuous basis. Innovative cropping strategies and water management are critical to dealing with these issues. Colorado State University has initiated a research program which addresses these issues.

Power Points from Conference:

[Growing Crops With Less Water](#) - Andales

Water Field Studies in the South Platte, Irrigation Efficiency, Consumption Use, Yield Vs Water Use, Elements of Field Studies, Water Accounting, Berthoud Alfalfa Study, Partial Season Irrigation, South Platte 2007 Irrigation Research and Demonstration Project.

[Limited Irrigation in the Republican Basin Update](#) - Schneekloth

Limited Irrigation Project - 4 year rotation of corn-sunflower-soybean-winter wheat compared to continuous corn. Farming practices used.

No-Till Basics

Jacob Wagers, Producer, Woodrow, CO, jmwagers7@yahoo.com

Jack Maranville, Producer, Maranville Farms, Matheson, CO, maranfarm@bigsandytelco.com

Gary Maskus, Producer, Arriba, CO, gmaskus@plains.net

High Plains Producers share their expertise and experiences with no-till.

Jacob Wagers was raised on a dry-land farm in Washington County. After attending college he returned to full time farming and has practiced no-till for twelve years on the family farm. They use chem-fallow, wheat, corn and millet rotation.

Jack Maranville farms south of Matheson, Colorado. He has been a speaker on no-till at a variety of conferences in the High Plains Region. He is a past president of CCTA.

Gary Maskus owns and operates a dryland farm northeast of Arriba, Colorado. He has been using continuous no-till for 11 years, with a large percentage of his acreage being continuous crop no-till for 8 years. His dryland operation averages about 16" of rainfall on mostly silt loam and clam loam soils. His rotations are primarily W-W-C-Proso-C-Proso, W-W-C-Sf-Proso, and W-W-C-Proso-C-F, although he also uses some "opportunity" cropping sequences as well. He is a past president of CCTA.

Precision Agriculture 101

Mark Brownell, Associate Professor Agriculture, Northeastern Junior College, 100 College Ave, Sterling, CO 80751, mike.brownell@njc.edu

A basic description of GPS/GIS terms and descriptions of how the systems work. We will look at GPS/GIS equipment, guidance, and yield monitors, and how the average farmer can utilize these systems.

1 CEU in Crop Management

Precision Agriculture - Intermediate/Advanced

Elaine McCallum, Wagner Equipment, 7260 Crossroads Blvd., Windsor, CO 80550,
elaine@wagnerequipment.com

1 CEU in Crop Management

Precision Agriculture - Producer Panel

David Wagers, Producer, Woodrow, CO;

Mike Brownell, Producer, Sterling, CO, mike.brownell@njc.edu

Lorra & Jim Martens, Producers, Inman, KS, info@farmworks.com
www.123farmworks.com

Mike Brownell has been using no-till practices for 4 years and teaches Precision Agriculture at Northeastern Junior College in Sterling.

Jim and Lorra Mertens have been using Farm Works Software for Mapping, Field Records & Accounting since 1995. They have been using Ag Leader Hardware for Precision Ag since about 2000. They farm in central Kansas and grow wheat, milo an sometimes soybeans. They rotate with a little alfalfa.

Precision Agriculture Vendor Panel

Rick Lewton, Lewton Ag, Otis, CO; **Chris Buggeln**, Central Inc., Evans, CO. **Pat Nelson**, Outback GPS Guidance, Hastings NE

Please refer to the Trade Show Exhibitors List for 2008 for contact information.

Relay Cropping

Dr Jim Schepers, Soil Scientist, USDA - Agricultural Research Service, Lincoln NE

1 CEU in Crop Management

Relay cropping has historically been used to capture additional solar energy and convert it into biomass (grain and residues). The concept offers potential for increased profitability and facilitates environmental stewardship. Success depends on being able to balance cultural practices with water and nutrient availability.

Power Point from Conference: Relay Cropping - Sorry, unable to get this Power Point to work on website.

Lots of excellent photos in this presentation, so give it time to load.

Examples shown, Requirement/Cautions, Harvesting Problems, Other Crops, Seeding Problems/Concerns, Soybean Planting Options, Soil Sampling, Relay Inter-Cropping, Nutrient Management.

RightRisk™ Workshop

Jay Parsons, Assistant Professor, Agricultural and Resource Economics, Colorado State University,

jay.parsons@OptimalAg.com

John Deering, Extension Agriculture and Business Management Area Agent, CSU, 181 Birch Ave, County Courthouse Annex, Akron, CO. 80720, john.deering@colostate.edu

2 CEU's in Professional Development for attendance at one of the two 2-hour sessions

RightRisk™ is an innovative risk research and education program. Through friendly competition and interaction with the instructors, workshop participants will utilize the Ag Survivor simulation program to experience a unique, interactive learning environment conducive to producing long-term growth in risk management decision making skills. For more information visit <http://www.rightrisk.org>.

Strip Till Panel

Allen Letterly, Eaton, CO;

Craig Barnette, Operations Manager, Evergreen Agri Management, Rt 1, Box 61 West Hwy 26, Bridgeport, NE, 69336, cbarnette@21stcenturyequip.com

Joedy Hartman, Burlington, CO, hartj@reblectec.net

Allen Letterly farms 900 acres near Eaton, Colorado. He raises corn, hay, Certified Seed Wheat and cattle. When he bought the farm in 1993 it had 4 center pivot sprinklers and he started to experiment with reduced tillage/no-till farming. Today he primarily uses reduced tillage farming practices.

Power Point from Conference: [Strip Till Farmers Panel](#)

Who Uses Strip-Till? What is Strip-Till? Where Does Strip-Till Work? Where There is Trouble. When Does Strip-Till Work? Why Use Strip-Till? Residue and Soil Building. How We Strip-Till.

Sunflower Production

Joel Schneekloth, Northeast Regional Water Resource Specialist, CSU, 40335 Cnty Rd G, Akron, CO 80720 joel.schneekloth@colostate.edu

Alan Helm, Area Weed Specialist, CSU, Golden Plains Area, PO Box 328, Holyoke, CO, alan.helm@colostate.edu

Ron Meyer, Monsanto Local field Advisor, 44124 Hwy 24, Burlington, CO 80807, ron.f.meyer@monsanto.com

1 CEC - Pest Management - category 103 - Agricultural Weed Control for attendance at one of these sessions

1 CEU in Crop Management for attendance at one of the two sessions

Sunflowers are a cropping option in Colorado for dryland and limited water situations. This program will discuss cropping, water and weed management of sunflowers. Also, nutrient management for irrigated sunflowers will be discussed as well as innovative planting strategies for dryland production.

Power Points from Conference:

Sunflower Weed Management - Helm - Sorry, can't get this Power Point to work on Website.

Herbicide Selection, Weed Management Strategies, Lost of Charts with Information.

[Factors Affecting Sunflower Stand Establishment](#) - Meyer

[Fertility Management of Irrigated Sunflowers](#) - Schneekoth

The State of Biotechnology in 2008 - A Monsanto View

Kevin Penny, Producer, Penny Ranch, Burlington, CO, kcpenny@starband.net

Lisa Drake, State and Local Government affairs Team Lead, Monsanto, Denver, CO,

lisa.m.drake@monsanto.com

Conference Handout: [Biotechnology Online Resources](#)

Using iFARM EconomicAnalysis Tool (iFEAT) to analyze insurance and skip row corn

Daniel Palic, Agricultural Science Research Technician, USDA-ARS-Agricultural Systems Research Unit, 2150 Centre Ave, Bldg D, Suite 200 Fort Collins, CO, 80526, daniel.palic@ars.usda.gov

Paul Burgener, Agriculture Economics Research Coordinator, University of Nebraska, 4502 Ave 1, Scottsbluff, NE 69361, pburgener2@unl.edu

1 CEU in Professional Development for attendance at one of the two sessions

Is skip row corn a viable planting option with the insurance options that are available? We will use iFEAT to analyze and look at various insurance scenarios with various yields with data collected by the Nebraska Panhandle Research Station in Scottsbluff.

Power Point from Conference:

[Analyzing Insurance Implications for Skip Row Corn Using iFARM Economics Tool \(iFEAT\)](#)

Instruction for use, Premiums and Calculations, Costs, General Overview, Budget Reports (Farmer Own, Cash Lease, Crop Share Lease), History and Use of Skip Row Technology, Skip Row Corn, Cron Prices, Renewable Fuel Standard, U.S. Dollar Index, Corn Exports, Balance Sheet, Crop Insurance, Skip Row Insurance, Implications.

iFEAT Software for Download at:

<http://arsagsoftware.ars.usda.gov/agsoftware/>

Wind Energy

Tony Frank, Director of Renewable Energy Development, Rocky Mountain Farmers Union Cooperative Development Center, 5655 S Yosemite St, Suite 400, Greenwood Village, CO, 80110,

tony.frank@co-ops.org

Brad Haight, Wind Energy Attorney, bhaight@hackstaffgessler.com

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

Power Points from Conference:

Wind Energy - Frank

Sizes and Application, Driving Forces Behind Wind Development, Capacity and Cost Trends, Wind Resources Map, Economic Development Impacts, High Plains Project, Local Ownership, Future Wind Development, Description of Types of Turbines, Small Wind and Uses.

Landowner Wind Easement Considerations - Haight

Land Agreements, Coop Agreements, Easement Characteristics, What Can a Land Owner Request?, Getting the Best Deal, Development Evaluation Form.

Wind Energy - A Farmer's Perspective

John Stulp, Colorado Commissioner of Agriculture, 700 Kipling St, Suite 400, Lakewood, CO 80215 john.stulp@ag.state.co.us

Brad Haight, Wind Energy Attorney, bhaight@hackstaffgessler.com

Power Point from Conference: Wind, An Economic Input for Agriculture

Issues Facing the Ag Community, Profitability, Water Shortages, Product Costs, Climate Changes, How Wind Works with Agriculture.