

Conference Program



EFFECTIVE COVER CROPPING IN THE MIDWEST
Decatur Conference Center and Hotel • Decatur, IL



Hosted by the Soil and Water Conservation Society
945 SW Ankeny Road, Ankeny, IA 50023
1-800-THE-SOIL (515) 289-2331 www.swcs.org

Conference Welcome, Dan Towery

On behalf of the conference planning committee and the Soil and Water Conservation Society's Board of Directors, I am pleased to welcome you to Decatur, Illinois, and the first of what we hope to be many Conservation Covers meetings for years to come.



Our plan for this meeting is to provide a forum for you to exchange information, discuss opportunities for collaboration, and learn from other farmers about the new and successful practices related to cover crops. Your speakers over the next two days will include farmers, crop consultants, and university researchers who have extensive experience in practical application and cover crop management.

Interest in cover crops is growing among all farmers: large and small, no-till and conventional till as well as organic. In much the same way No Till Conferences have become popular, covers cropping has matured to a point where we believed that a conference focused solely on cover cropping was needed. The overarching goal of this conference is to get farmers together to learn how to effectively manage cover crops in a way that enhances soil quality, keeps nutrients in the fields, and increases the bottom line.

We would like to thank the sponsors, partners and exhibitors for their support and attendance at the meeting. We have scheduled the refreshment breaks and meals in (or next to) where all the exhibitors are set up. Please make sure you take time to visit with them during the breaks and discuss their experiences and the resources they can provide as you consider how you use cover crops on your property.

I would also like to personally thank each of the speakers and the members of the conference planning committee for all of their work in preparation for the meeting. We've spent countless hours together on teleconferences and I know everyone here is appreciative of all the effort each of you have put into making the program a success.

Though we have begun discussing a 2012 or 2013 meeting, no decision has been made on date, time, or location. After the meeting you will receive an email with a post-conference survey. Please provide your feedback and suggestions for those logistical items as well as specific topics, exhibitors, and discussions you'd like to see and hear at a future meeting.

Until then, thanks again for attending Conservation Covers: Effective Cover Cropping in the Midwest. We look forward to seeing you again in the future.

Conference Planning Committee Members

Deborah Cavanaugh-Grant, University of Illinois Extension
Clark Gantzer, University of Missouri-Columbia
Steve Groff, Cedar Meadow Farm
Dewayne Johnson, Soil and Water Conservation Society
Hans Kok, Indiana Conservation Cropping Systems Initiative
Rosalind Leeck, Indiana State Department of Agriculture
Dan Towery, Ag Conservation Solutions*

**Planning Committee Chair*



EFFECTIVE COVER CROPPING IN THE MIDWEST
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Effective Cover Cropping in the Midwest
December 7 & 8, 2011
Decatur Conference Center and Hotel
Decatur, Illinois
www.swcs.org/covercrops

Meeting Agenda

Day 1: Wednesday, December 7, 2011

Time	Session	Room
9:30 a.m.	Registration and Exhibits open	Fountain Hall
10:00 a.m.	Early Bird Session: Cover crops 101 <ul style="list-style-type: none"> • Speaker A - Terry Taylor, Illinois farmer • Speaker B - Doug Hanson, Pro Harvest Seed • Speaker C - Dan Towery, Ag Conservation Solutions 	Kirkland
Noon	Lunch on your own	
1:00 p.m.	Opening Session: "Not your grandfather's cover crops" Welcome: Dan Towery, Ag Conservation Solutions Moderator: Cyndi Young, Brownfield Network Speaker: Steve Groff, Cedar Meadow Farm (Pennsylvania)	Kirkland
1:45 p.m.	3-Farmer Panel of Successful Cover Croppers <ul style="list-style-type: none"> • Dan DeSutter, Indiana • Dave Brandt, Ohio • Steve Berger, Iowa 	Kirkland
3:00 p.m.	BREAK – Refreshments in Exhibit area	Fountain Hall
3:30 p.m.	Cover Crop Options & Strategies <ul style="list-style-type: none"> • Hans Kok, Indiana Conservation Cropping Systems Initiative • Rodney Rulon, Indiana farmer 	Kirkland
4:15 p.m.	Soil Biology of Cover Crops <ul style="list-style-type: none"> • Bob Kremer, USDA-ARS (Columbia, MO) 	Kirkland
5:00 p.m.	Reception – Cash Bar and light appetizers in Exhibit area	Fountain Hall
6:00 p.m.	Dinner and Speaker (included in registration) Regenerating Land & People through Soil Health Joshua Dukart, Holistic Management Certified Educator & Gabe Brown, Brown's Ranch (Bismarck, ND)	Fountain Hall

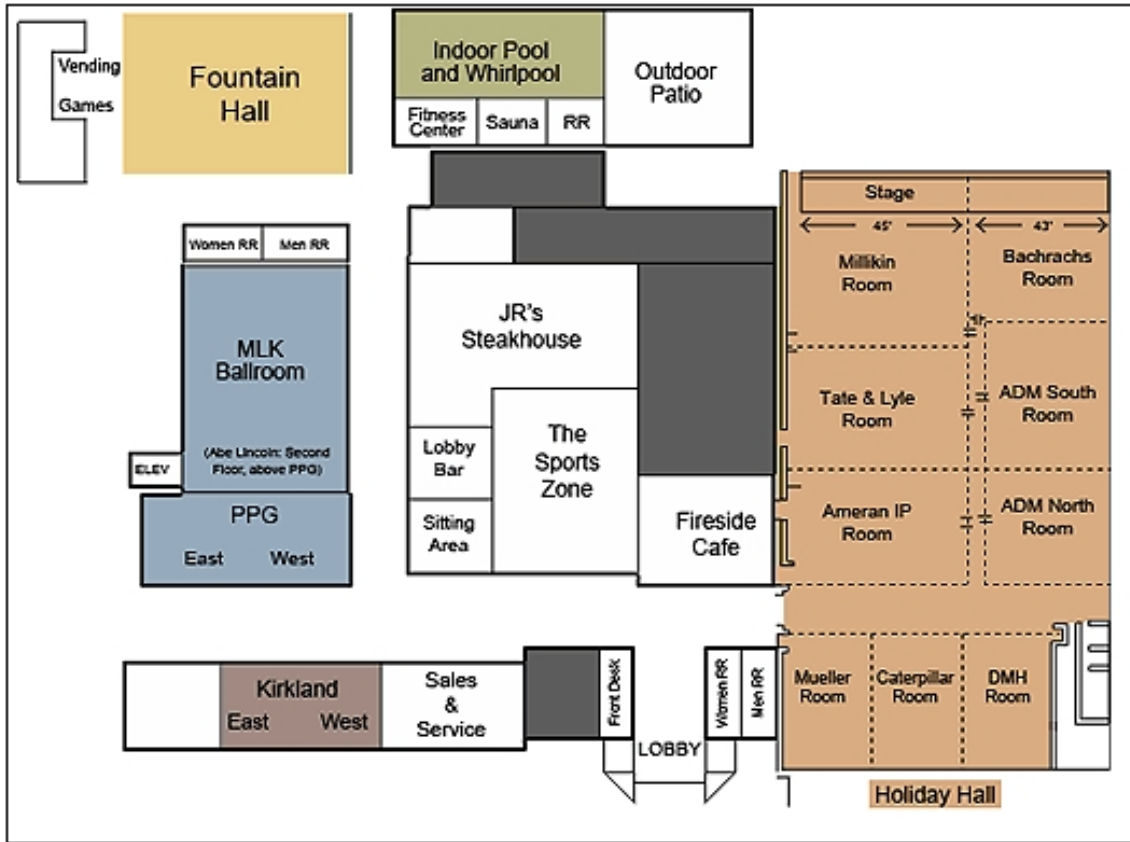
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Day 2: Thursday, December 8, 2011

8:00 a.m.	Concurrent Sessions Session A: Cover crop planting techniques PPG <ul style="list-style-type: none"> • Jamie Scott, Indiana farmer - aerial seeding • Dave Brandt, Ohio farmer - precision planting • Matt VanTilburg, Ohio farmer - high clearance seeder, strip till Session B: Cover crop termination Kirkland <ul style="list-style-type: none"> • Mike Plumer, Conservation Agriculture • Bryan Young, Southern Illinois University Session C: Cover crop forage & tillage Mueller <ul style="list-style-type: none"> • Rich Hoorman, University of Missouri Extension • Dave Robison, CISCO Seeds, Indiana • Harry Cope, Missouri farmer
9:30 a.m.	BREAK – Refreshments in Exhibit area Fountain Hall
10:00 a.m.	Concurrent Sessions Session D: Organic production PPG <ul style="list-style-type: none"> • Joel Gruver, Western Illinois University Session E: Using Cover crops with conventional tillage Kirkland <ul style="list-style-type: none"> • Ernest Weaver, Byron Weaver Seeds • Duane Weaver, Illinois farmer Session F: Regenerating Land & People through Soil Mueller <ul style="list-style-type: none"> • Joshua Dukart, Holistic Management Certified Educator • Gabe Brown, Brown's Ranch (Bismarck, ND)
11:30 a.m.	Topical Roundtables (Discussion leader) <ul style="list-style-type: none"> Aerial seeding (Jamie Scott) Mueller Precision planting (Dave Brandt) PPG Soil biology (Bob Kremer) Illini Annual ryegrass (Terry Taylor) JR's Cover Crop Radish (Steve Groff) JR's Mixes/Blends/Cocktails (Dave Robison) JR's Springtime Management Control (Rodney Rulon) MLK North End Planting first or burndown first? (Hans Kok) MLK South End Forage (Harry Cope) Abe Lincoln Crop Insurance (Eliav Bitan) Kirkland High clearance equipment (Don Birkey or Matt VanTilburg) Fountain Hall
12:15 p.m.	LUNCH (included) – Networking and discussion time. Fountain Hall Lunch Speaker: Bryan Young, Southern Illinois University
1:30 p.m.	Concurrent Sessions - Presentations repeated from 8:00 a.m. sessions. Session A: Cover crop planting techniques PPG Session B: Cover crop termination Kirkland Session C: Cover crop forage & tillage Mueller
3:00 p.m.	BREAK – Refreshments in Exhibit area Fountain Hall
3:15 p.m.	Closing Session (and prize drawing for sprayer) (Fountain Hall) Fountain Hall Speaker: Ken Ferrie, Farm Journal Field Agronomist

Decatur Hotel and Conference Center



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The Soil and Water Conservation Society Career Center is an online resource to help employers and job seekers make career connections in the conservation community.

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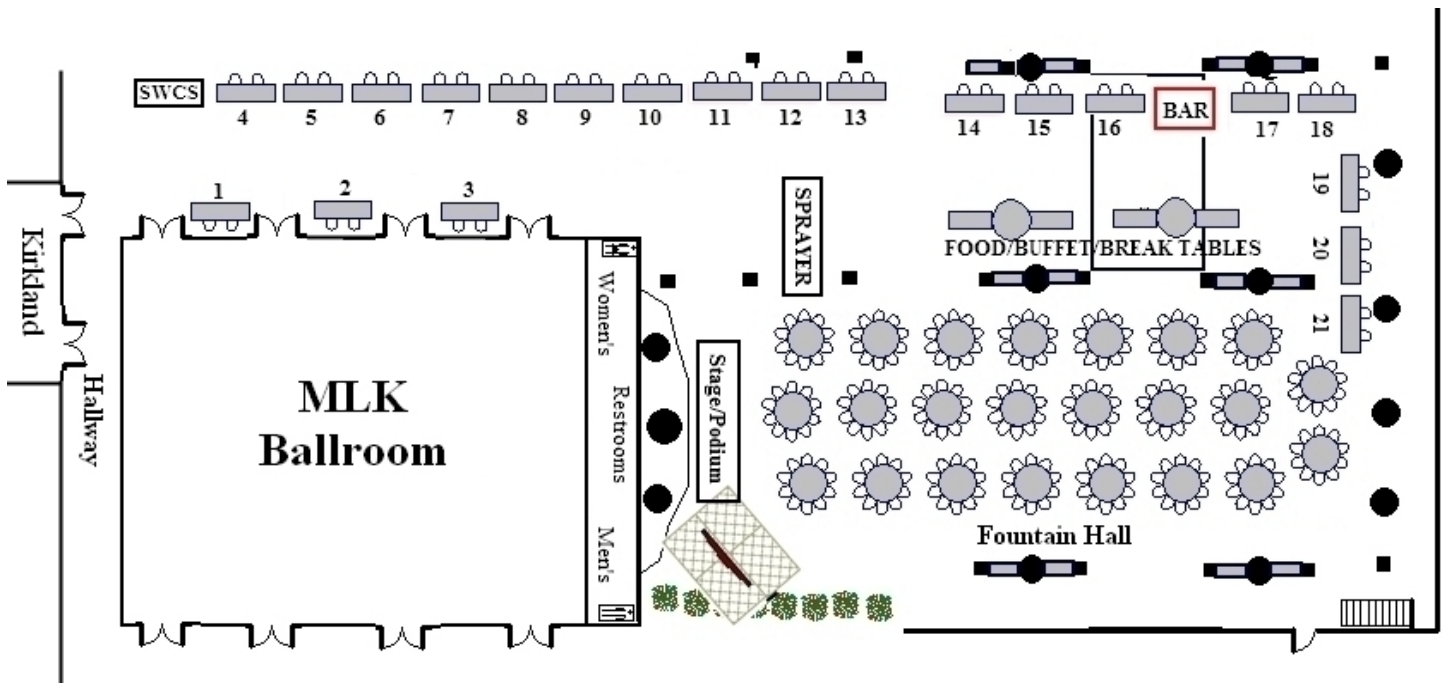
CISCO Seeds

Additional Partners



Exhibitors

Company, Agency or Organization	Booth Number
Auburn University and USDA-ARS	5
BioTill	10
Byron Seed	2
CISCO Seeds	8
Conservation Technology Information Center	20
Cover Crop Solutions	15 & 16
Howard G. Buffett Foundation	9
Illinois Agricultural Aviation Association	4
Illinois Soybean Association	EXTRA
JM Innovations	11
Kaufman Seed, Inc.	17 & 18
KB Seed Solutions	12 & 13
LaCrosse Forage & Turf Seed	6
Midwest Cover Crops Council	7
Midwest Grass and Forage	14
Oregon Ryegrass Growers Seed Commission	21
Penngygrass Partners	1
Pro Harvest Seeds & Best Forages	19
Soil and Water Conservation Society	EXTRA
Texas Institute for Applied Environmental Research	EXTRA
Truax Company	3



Conference Registration



Healthy Land
Clean Water
For Life

Get Involved

Experience the opportunities of actively sustaining and improving the quality of life we all enjoy.



Network

SWCS provides a strong network of professionals creating the opportunity to work with other conservation leaders, to stay up-to-date with current research, and to contribute to the advancement of conservation.

Discover

Don't be left in the dark. Discover the rewards of Society membership and its powerful resources that will keep you on the cutting-edge.

Develop

SWCS develops professionals through opportunities to work with conservation leaders and take on new challenges through SWCS activities at local and national levels.

- Conferences and workshops on land and water management issues designed to update conservation professionals with the latest in conservation technology and practices.
- Annual International Conferences providing members with the opportunity to meet and exchange views with an international network of professional conservationists.
- Local workshops, field days, and tours organized by local chapters offering first-hand opportunities to observe innovative conservation technologies.
- SWCS endorses the Certified Professionals in Erosion and Sediment Control (CPESC) program, which provides training and certification for individuals in the area of erosion and sediment control and urban water quality

Implement

SWCS implements methods and practices to sustain the productive capacity of our working lands. Ask how you can be an active member and be in the forefront of conservation.

Join Online Today!

www.swcs.org/jointoday

Speakers



Dave Brandt
brandtsfarm@yahoo.com

David Brandt farms 900 acres all no-till, in Fairfield County, Central Ohio and has been using cover crops since 1978. David has been planting various mixes of cover crops to find out what benefits they provide to improve soil health, working with The Ohio State University on reducing input costs of fertilizers and herbicides using cover crops and with the regional NRCS soils lab in Greensboro, North Carolina on soil health benefits of cover crops.



Gabe Brown
Brown's Ranch
Bismarck, ND
(701) 527-5570
brownranch@bektel.com

Gabe and Shelly Brown, along with their son Paul, own and operate Brown's Ranch, a diversified farming and ranching operation located near Bismarck, ND. The Brown's goal is to regenerate the land for a sustainable future.



Steve Berger
Wellman, Iowa
(319) 461-4109
berger@netins.net

Steve Berger farms with his father on a corn, soybean and farrow-finish swine operation in southeast Iowa. The Bergers have been practicing continuous no-till for over 30 years and have been using rye cover crops for 10 years.



Harry Cope
Truxton, MO
(636) 262-0135
hr4copes@centurylink.net

Harry Cope is a full time livestock producer with 100 head of cattle, 400 ewes and occasionally 400 head of feeder goats. He has 1800 acres of rented ground consisting of 240 acres of crops with the remaining 1560 acres made up of pasture and timber.



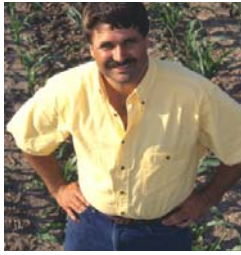
Dan DeSutter
dandesutter@gmail.com

Dan DeSutter no-tills 4,300 acres of corn, soybeans, wheat, pasture and cover crops with his family in west central Indiana. He is particularly interested in developing rotational biology within a continuous corn system in an effort to maximize both economic returns and soil organic matter.



Joshua Dukart
Holistic Management Educator
Bismarck, ND
(701) 870-1184
joshua_dukart@yahoo.com

Joshua Dukart is a Certified Educator of Holistic Management from Bismarck, ND. He provides consulting and educational services to ag producers and producer groups concerning management of the triple bottom line, including: biological cropping methods, planned grazing strategies, cover crops, financial planning and people management.



Ken Ferrie
Farm Journal Field Agronomist & Crop-Tech Consulting
Heyworth, IL
croptech@frontier.com

As the co-owner of Crop-Tech Consulting and the Farm Journal Field Agronomist, Ken Ferrie has spent that last 20 plus years working with farmers to improve yields and implement a systems approach to farming.



Steve Groff
Cedar Meadow Farm
Lancaster County, PA
(717) 575-6778
sgroff@covercropsolutions.com

Steve Groff farms 225 acres of cash grain crops and a few vegetables in Lancaster County, Pennsylvania. He is developing extensive replicated cover crop research on his farm to document the investment of cover crops and how to make them effectively increase profits.



Joel Gruver
Western Illinois University
Macomb, IL
(309) 298-1215
J-Gruver@wiu.edu

Dr. Joel Gruver is an Assistant Professor of Soil Science in the School of Agriculture at Western Illinois University. He is also the director of the WIU Organic Research Program and the WIU Cover Crop Innovator Project.



Doug Hanson
Pro Harvest Seed
Ashkum, IL
(815) 698-2204
hanson71@hotmail.com

Doug Hanson is a Seed Specialist for ProHarvest Seeds in Ashkum Illinois. He and his wife Lisa have a cow-calf "MIG" operation on 80 acres of highly productive central Illinois soil. Doug works with cash crop and livestock producers to effectively utilize cover crops for agronomic benefits and as a feed source for livestock.



Rich Hoorman
University of Missouri Extension
Montgomery City, MO
(573) 564-3733
hoormanr@missouri.edu

Rich Hoorman is an Agronomy Specialist for the University of Missouri Extension. He has worked as an agronomist for: University of Nebraska, Farmland Industries, Agrilience, Cropland Genetics and as an independent consultant.



Hans Kok
Indiana Conservation Cropping Systems Initiative
(208) 596-2618
hanskokLLC@gmail.com

Hans Kok, PhD, CCA, is the Coordinator of the Indiana Conservation Cropping Systems Initiative, which promotes increased farm profitability and healthy soils through cover crops, precision nutrient management and continuous strip till and no-till. Dr. Kok has worked for several Land-Grant Universities across the USA, published over 30 extension publications, and worked on erosion control projects in Spain, and Israel.



Bob Kremer
USDA-ARS
University of Missouri
Columbia, MO
(573) 882-6408
Bob.Kremer@ars.usda.gov

Bob Kremer has served as microbiologist with USDA-ARS since 1983 and is also an adjunct professor of soil microbiology at the University of Missouri. His research projects involve evaluation of biological indicators for soil quality assessment of various agricultural management practices and natural and restored ecosystems.



Mike Plumer
Conservation Agriculture
Creal Springs, IL
(618) 364-2219
plumermike@gmail.com

Michael Plumer, recently retired after more than 34 years with University of Illinois Extension, ag and natural resources. Mike has been involved with the use of cover crops in no-till systems since 1980 and has conducted numerous studies on varieties, herbicides and management.



Dave Robison
CISCO Seeds
Indianapolis, IN
(317) 696-3904
dave@plantcovercrops.com

Dave Robison is the Agronomist/Seed marketing Manager of CISCO Seeds and the founder of www.plantcovercrops.com. Dave works closely with producers on their cover crop needs.



Rodney Rulon
Rulon Enterprises
rodney@rulonerterprises.com

Rodney Rulon, as part of Rulon Enterprises, is a Continuous No-Till corn/soybean/hog farmer from North Central Indiana. Rulon Enterprises began no-tilling nearly 20 years ago and has been using a variety of cover crops for the past 7 years. They currently farm about 6000 acres with cover crops planted on nearly half of those acres each fall.



Jamie Scott
(574) 594-5129
jasfarm@aol.com

Jamie Scott farms 2,000 acres with his dad, Jim, in Northwest Indiana. They have been in a continuous no-till system for 18 years and have been using cover crops for 7 years (annual ryegrass is their favorite cover crop). Jamie also provides a turnkey service for area growers which involves cover crop selection, cover crop seed, custom aerial application, and trouble shooting.



Terry Taylor
(618) 897-2713
tntfarm@wabash.net

Terry Taylor has been a continuous no-tiller for more than 20 years, using cover crops as part of his program. For the last eight years, he has had the privilege of being a cooperater with Mike Plumer, has had the opportunity to observe his work close-up and to transfer some of the strategies developed there to his continuous no-till, continuous cover crop program.



Dan Towery
Ag Conservation Solutions
Lafayette, IN
(765) 490-0197
dan@agconservationsolutions.com

Dan Towery has operated an independent ag consultant company, Ag Conservation Solutions, for seven years which focuses on improving soil health with continuous no-till and cover crops. His experience also includes 25 years with USDA NRCS of which the last ten years was as the Conservation Technology Information Center's agronomist.



Matt VanTilburg
VanTilburg Farms
Celina, OH
(419) 586-3077
matt@vantilburgfarms.com

Matt VanTilburg attended Ohio State ATI and returned home to farm 4500 acres and operate an ag retail operation in Mercer county Ohio. He has been using cover crops, poultry litter, and strip till for 3 years now, this fall have something growing on every acre, that was seeded into standing crops.



Ernest Weaver
Byron & Weaver Seed
(800) 801-3596
srw@emypeople.net

Ernest Weaver is a farmer who has worked as a forage consultant for Byron Seeds for the last 15 years. Ernest is a strong advocate of cover crops in all farming situations.



Duane Weaver
(618) 614-2695
dweaver@emypeople.net

Duane Weaver is a row crop farmer from Southern Illinois. He farms 400 acres and has extensive experience in using cover crops.



Bryan Young
Southern Illinois University
Carbondale, IL
(618) 453.7679
bgyoung@siu.edu

Bryan Young is a native of Michigan and obtained his B.S degree in Crop and Soil Science at Michigan State University and his Ph.D. in Weed Science from the University of Illinois. In 1998 he joined Southern Illinois University in the Department of Plant, Soil and Agricultural Systems and is currently a Professor of Weed Science/Agronomy with responsibilities in teaching, research, outreach, and administration.



Cyndi Young
Brownfield Ag News
(573) 556-1229
cyoung@brownfieldnetwork.com

A member of the National Association of Farm Broadcasting for 24 years, Cyndi Young was recognized as Farm Broadcaster of the Year for the nation in 1997, and received the coveted Oscar in Agriculture in 2009. Cyndi pens a popular weekly column in both Illinois AgriNews and Indiana AgriNews and is a partner with her husband, Jim Puyear, in Rocking P Ranch near Jamestown, Missouri.

Registered Attendees

<u>First Name</u>	<u>Last Name</u>	<u>Company</u>	<u>Primary City</u>	<u>State</u>
Randy	Aberle	RAFARMS LLC	Melvin	IL
Juan	Acuna	University of Illinois	Champaign	IL
Bill	Albert	Albert Farms	Millstadt	IL
Jamie	Alderks	USDA/NRCS	Charleston	IL
Ron	Althoff	BioTill	Effingham	IL
Dan	Anderson		Milford	IL
Solomon	Andrews	USDA-NRCS	Sparta	IL
Shalamar	Armstrong	Illinois State University	Normal	IL
Dean	Baas	Midwest Cover Crops Council	Hickory Corners	MI
Terry	Bachtold		Pontiac	IL
Dale	Baird	University of Illinois Extension	Franklin Grove	IL
Peter	Ballerstedt	Barenbrug USA	Tangent	OR
Mark	Baran	NRCS	Ottawa	IL
Jeremy	Beck	USDA/NRCS	Eureka	IL
Brad	Behymer	USDA-NRCS	Carrollton	IL
Joe	Beiler	VanTilburg Farms Inc	Celina	OH
John	Bell	USDA - NRCS	Elizabeth	IL
Steve	Berger		Wellman	IA
Brian	Berst	Klinkenborg Aerial Spraying and Seeding Inc	Parkersburg	IA
Dan	Beyers	Dan Beyers	Rosamond	IL
Dave	Bishop	McLean County SWCD	Normal	IL
Eliav	Bitan	National Wildlife Federation	Washington DC	DC
Kent	Blackard	Klinkenborg Aerial Spraying and Seeding Inc	Parkersburg	IA
Kent	Bohnhoff	USDA NRCS	Normal,	IL
Katie	Bolssen	UW-Madison	Madison	WI
David	Brandt	Brandt Family Farm	Carroll	OH
Mark	Brandt	USDA - NRCS	Owensville	MO
Lucas	Brass	USDA/NRCS	New London	MO
Ross	Braun	Retired	New Haven	MO
Terry	Breyfogle	USDA - NRCS	Camden Point	MO
Murray	Brian	Illinois Agricultural Aviation Association	Aledo	IL
Nick	Bridges	Best Forage		
Gabe	Brown	Brown's Gelbvieh Ranch	Bismarck	ND
John	Buckner	Farm Journal	Mexico	MO
Tom	Burlingham		Palmyra	WI
Ronnie	Burrus		Jacksonville,	IL
John	Busby	J N Family Farms Inc.	West Chester	OH
Erin	Busscher	USDA/NRCS		
Joe	Bybee	Illinois Department of Agriculture	DeKalb	IL
Brian	Carlson		Princeton	IL
Lauren	Cartwright	USDA, NRCS	Columbia	MO
Tom	Clayman	Kauffman Seed, Inc.	Haven	KS
Andy	Clayton	WIU School of Agriculture	Macomb	IL
Kendra	Clift	NRCS	Mt. Vernon	MO
Patricia	Coffman	USDA/NRCS	Marion	IL
Dwayne	Colvin	Byron Seed	Rockville	IN
Adam	Conklin	USDA/NRCS	Brownstown	IN
Jason	Conner	USDA/NRCS		
Harry	Cope		Truxton	MO

<u>First Name</u>	<u>Last Name</u>	<u>Company</u>	<u>Primary City</u>	<u>State</u>
Dean	Craine	AgriEnergy Resources	Princeton	IL
Robert	Crawford	Crawford Farms	Beloit	WI
John	Crellin	USDA-NRCS	Brooklyn Center	MN
Jackie	Crim	Southern Illinois University	Carbondale	IL
George	Czapar	Illinois State Water Survey	Champaign	IL
Brandy	Daggett	USDA/NRCS	Frankfort	IN
Kyle	Dallefeld	Prairie Creek Seed	Worthington	IA
Dan	Davidson	Illinois Soybean Association	Normal	IL
Maurice R.	Davis	Truax Company	New Hope	MN
Glenn	Davis	USDA - Natural Resources Conservation Service	Columbia	MO
Dan	Davis	USDA-NRCS	Fort Wayne	IN
Mike	Day	Tuscola Conservation District	Caro	MI
Allen	Dean	Dean Farms	Bryan	OH
Mark	DePoy	USDA-NRCS	Vevay	IN
Dan	DeSutter	DeSutter Farms	Attica	IN
Jeff	Dollahon	Schertz Aerial Service, Inc	Hudson	IL
Don	Donovan	USDA-NRCS	Rockville	IN
Greg	Downing	CISCO Seeds	Indianapolis	IN
Doug	Downs		Tolono	IL
Charles	Durdan	3D Farms	Grand Ridge	IL
Cindy	Durdan	3D Farms	Grand Ridge	IL
Bob	Eash	Best Forage		
Greg	Eaton	La Crosse Forage and Turf LLC	Lake Saint Louis	MO
Derric	Eisenman	JDE AG Inc		
Charles	Ellis	University of Missouri Extension	Troy	MO
Derek	Evans	SIUC Department of Forestry	Carbondale	IL
Bob	Fairclough	Fairclough Forage Seeds	Michigantown	IN
Garrett	Fairclough	Fairclough Forage Seeds	Michigantown	IN
Stephen	Fennig	Fennig Farms	Bryant	IN
Barry	Fennig			
Kenneth	Ferrie	Crop-Tech Consulting	Heyworth	IL
John R.	Fielding	Fielding Farms	Monticello	IN
Mike	Findlay	Tuscola Conservation District	Caro	MI
Butch	Fisher	Douglas County SWCD		
Barry	Fisher	Natural Resources Conservation Service	Indianapolis	IN
Steve	Fisher	USDA - NRCS	Milan	MO
Josh	Flint	Prairie Farmer	O'Fallon	IL
Nick	Fritch	USDA - NRCS	Cambridge	IL
Clark	Gantzer	Soil, Env. and Atms. Sci	Columbia	MO
Joe	Gates	USDA - NRCS	Milan	IL
Brad	Glenn	Pennycress Partners	Stanford	IL
Paul	Gordon	Gordon & Associates Inc	Bentonville	IN
Joe	Graber	Timberline Sales & Services		
Steve	Groff	Cedar Meadow Farm	Holtwood	PA
Joel	Gruver	Western Illinois University	Macomb	IL
Doug	Gucker	Ag Watershed Inst.	Decatur	IL
David	Gustafson	Monsanto	St Louis	MO
Scot	Haley	USDA-NRCS	Fort Wayne	IN
Ronald	Hall	USDA-NRCS	Knoxville	IL
Charles	Hammer	Hammer & Kavazanjian Farms		
Doug	Hanson	ProHarvest Seeds	Ashkum	IL

<u>First Name</u>	<u>Last Name</u>	<u>Company</u>	<u>Primary City</u>	<u>State</u>
Clint	Harrison	USDA-NRCS	Brookville	IN
Sharon	Hartzold	USDA - NRCS	Stanford	IL
Tom	Held	USDA-NRCS	Vincennes	IN
Dan	Hesterberg	Sonrise Farms	Penfield	IL
Russ	Higgins	University of Illinois Extension	Morris	IL
Ken	Hilliard		Greenville	IL
James	Hoffman	USDA - NRCS	Paris	MO
Kendric	Holder	USDA NRCS	Marble Hill	MO
David	Holste	Holste Farms	Dieterich	IL
Daren	Holste	Holste Farms	Dieterich	IL
Jane	Holzer	Montana Salinity Control Assoc	Conrad	MT
Rich	Hoormann	University of Missouri Extension	Montgomery City	MO
Duane	Hopkins	Kitchen Seed Co	Arthur	IL
Jamie	Houck	USDA/NRCS		
Dan	Hovland	USDA-NRCS	Vincennes	IN
Stephen	Huber		Perryville	MO
Charles	Huebener	Huebener Farms , Inc.	Brighton	IL
Mike	Hughes	USDA-NRCS	Greensburg	IN
Kirk	Iversen	Auburn University & USDA-ARS	Auburn	AL
Mark	Jackson	USDA - NRCS	Milan	IL
Scott	Jacob	USDA - NRCS	Mexico	MO
Stacy	James	Prairie Rivers Network	Champaign	IL
Steve	John	Agricultural Watershed Institute	Decatur	IL
Dewayne	Johnson	Soil and Water Conservation Society	Ankeny	IA
Scott	Jones	Midwest Grass & Forage	Industry	IL
Adam	Jones	USDA-NRCS	Huntington	IN
Charles	Jordan	Howard G. Buffett Foundation	Decatur	IL
Jerry	Kaiser	USDA - Natural Resources Conservation Service	Elsberry	MO
Mark	Kaiser	USDA - NRCS	Morrison	IL
Tom	Kaspar	USDA-ARS NLAE	Ames	IA
Nick	Kau			
Jack	Kebert	Kebert Farms	Fredonia	KS
Joseph	Kelich	La Crosse Forage & Turf	Elwood	IN
Shawn	Keller	USDA-NRCS	Wentzville	MO
Rodney	Killam	Illinois Agricultural Aviation Association	Aledo	IL
Justin	King	NRCS	Greenville	IL
Andrea	King	USDA - NRCS	Palmyra	MO
Craig	King	USDA-NRCS	Shelbyville	MO
Wayne	Kizer	KB Seed Solutions	Harrisburg	OR
Hans	Kok	Indiana Conservation Cropping Systems Initiative		
Dennis	Kopp	Dowson Farms	Chatham	IL
Gregory	Kouba		Orland Park	IL
Jim	Kratz	Tuscola Conservation District	Caro	MI
Bob	Kremer	USDA-ARS, Cropping Systems & Water Quality Unit	Columbia	MO
Mitch	Krueger	USDA-NRCS	Palmyra	MO
Bill	Kuenstler	USDA-NRCS	Fort Worth	TX
Mike	Kuffel	LaCrosse Forage and Turf Seed	Oostburg	WI
Elliot	Lagacy	Illinois Dept. of Ag	Champaign	IL
Ben	Lambeck	USDA/NRCS	Williamsport	IN
Greg	Lammert	Rhea + Kaiser	Naperville	IL
Brent	Laursen	Tuscola Conservation District	Caro	MI

<u>First Name</u>	<u>Last Name</u>	<u>Company</u>	<u>Primary City</u>	<u>State</u>
Meg	Leader	Vermillion Co. SWCD	Newport	IN
Maria	Lemke	Nature Conservancy	Lewistown	IL
CJ	Liddell	USDA - NRCS	Hillsboro	IL
Dan	Luczynski	USDA-NRCS	Vincennes	IN
Timothy	Malone	USDA NRCS	Pekin	IL
Paul	Mariman	University of Illinois Extension	Decatur	IL
Jeremia	Markway	Department of Natural Resources	Jefferson City	MO
Travis	Martin	Cover Crop Solutions		
William	Martin	USDA, NRCS	Murphysboro	IL
Elton	Mau	Circle M Ranch	Arrowsmith	IL
Keegan	Maxwell	Hendrickson Flying Service, Inc.	Rochelle	IL
Jim	McQuilkin	Maurer Stutz Inc.	Magnolia	IL
Eric	McTaggart	USDA/NRCS	Pontiac	IL
Evan	Meister	Meister Farms	Ashkum	IL
Doug	Melvin	USDA/NRCS	Breese	IL
Jessica	Michael	Howard G. Buffett Foundation	Decatur	IL
Jeff	Mick	JM Innovations, Inc.	Edwardsville	IL
Donna	Mick	JM Innovations, Inc.	Edwardsville	IL
Todd	Miller	Kauffman Seed, Inc.	Haven	KS
Stephen	Miller	Vermilion County Soil and Water Conservation District	Danville	IL
Eric	Miller		Monticello	IL
Jon	Mohn	LaCrosse Forage & Turf Seed	Sioux Falls	SD
David	Moose	Food Production System	Auburn	IL
Rose	Morgan	Newton County SWCD	Morocco	IN
Teresa	Morris	Natural Resource Conservation Services	Hillsboro	MO
Jim	Moye	Moye Ag Consulting	Sumner	IL
Garth	Mulkey	GS3 Quality Seed Inc.	Monmouth	OR
Leo	Mulkey	GS3 Quality Seed Inc.	Monmouth	OR
Robert	Myers	USDA NCR-SARE	Columbia	MO
Jim	Nelson	Illinois Soybean Association	Normal	IL
Gary	Noel	USDA-NRCS	Bowling Green	MO
Kate	Norvell	NRCS	Bozeman	MT
Grant	Norwood	Norwood Farm	Mansfield	TN
Robert	Ormiston		Nashville	IN
David	Otte	Green Valley Seed LLC	Kahoka	MO
Duffner	Paul	USDA - Natural Resources Conservation Service	Columbia	MO
Molly	Pearce	Howard G. Buffett Foundation	Decatur	IL
Daniel	Perkins	Jasper Soil and Water	Rensselaer	IN
Steve	Petersen	Monsanto	Chelsea	IA
Doug	Peterson		Gallatin	MO
John	Pike	University of IL Extension	Murpysboro	IL
Charles	Pilling	Pilling, Inc.	Mediapolis	IA
James	Pilling	Pilling, Inc.	Mediapolis	IA
Gary	Place	Pioneer Hi-Bred Intl, Inc.	Homer	IL
Michael	Plumer	Conservation Agriculture	Creal Springs	IL
Michelle	Pratt	Purdue University	Lafayette	IN
Harold	Pyle	USDA-NRCS	Springfield	IL
Amanda	Raster	University of Wisconsin	Madison	WI
Ron	Riffey	CropC Systems, Inc.	Cropsey	IL
Brett	Roberts	USDA/NRCS	Champaign	IL
Lori	Robinson	USDA - NRCS	Paris	MO

<u>First Name</u>	<u>Last Name</u>	<u>Company</u>	<u>Primary City</u>	<u>State</u>
Dave	Robison	CISCO Seeds	Indianapolis	IN
Don	Robison	CISCO Seeds	Indianapolis	IN
Becky	Ross	USDA/NRCS	Lafayette	IN
Joe	Rothermel	RDR Farms, Inc	Broadlands	IL
Rodney	Rulon	Rulon Enterprises	Arcadia	IN
Jill	Sackett	UMN Extension	Fairmont	MN
Ali	Saleh	Tarleton State University	Stephenville	TX
Ryan	Sanders	Alliance Agra	Angola	IN
Leann	Schmidt	USDA NRCS	Union	MO
John	Schneider	Macon SWCS	Decatur	IL
Lori	Schnoor	USDA-NRCS	Maquoketa	IA
Cliff	Schuette	Schuette Seeds	Breese	IL
Jamie	Scott			
Doris	Scully	USDA-NRCS	Brazil	IN
Jamie	Seeman		Attica	IN
Dana	Seibel	USDA/NRCS	Perryville	MO
Jerry	Seidel		Belle Rive	IL
Victor	Shelton	USDA-NRCS	Vincennes	IN
Martha	Sheppard	USDA NRCS	Pittsfield	IL
Laura	Shuster	Howard G. Buffett Foundation	Decatur	IL
Luke	Skinner	USDA - NRCS	Saint Joseph	MO
Adam	Sleeth	Sleeth Farms	Monticello	IL
Jeff	Smiley	Smiley Bros	Grensburg	IN
Joshua	Smith	SIUC	Carbondale	IL
Laura	Smithenry	USDA/NRCS		
Mike	Snellen	USDA - NRCS	Keytesville	MO
Laura	Sova	Broadlands Organic Farm	Chicago	IL
Sam	St. Clair	USDA-NRCS	Warsaw	IN
Bill	Stangel	Soil Solutions Consulting	Madison	WI
Greg	Stegner	USDA - NRCS		
Carey	Stroburg	Northwest Missouri State University	Maryville	MO
Samantha	Swanberg	SIUC	Carbondale	IL
Caleb	Taylor	Morning Star Farms	Linden	IN
Terry N.	Taylor	TNT farm	Geff, Il	IL
Leon	Thompson	Department of Natural Resources	Jefferson City	MO
Derek	Thompson	USDA-NRCS	La Grange	IN
Larry	Timm		Fillmore	IN
Dan	Towery	Oregon Ryegrass Growers Seed Commission	West Lafayette	IN
William	Tucker		Colo	IA
Joe	Urdike	USDA-NRCS	Wabash	IN
Ralph	Upton, Jr		Springerton	IL
Matt	Van Slyke	Green Agents, Ltd.	Grayslake	IL
Matt	VanTilburg	VanTilburg Farms Inc	Celina	OH
Anne	Verhallen		Thamesville	ON
John	Verhallen			
Matt	Volkman	USDA/ARS	Columbia	MO
Scott	Wallace	USDA- NRCS	Edwards	IL
Chuck	Watts		Columbia	MO
Ernest	Weaver	Byron & Weaver Seed		
Eric	Weaver	Cover Crop Solutions	Robesonia	PA
Roger	Wenning	Wenning Farms,Inc	Greensburg	IN

<u>First Name</u>	<u>Last Name</u>	<u>Company</u>	<u>Primary City</u>	<u>State</u>
Jay	Whalen	ProHarvest Seeds	Ashkum	IL
Mike	Wheeler		Mode	IL
Mike	Wigginton	USDA/NRCS	Lafayette	IN
Angie	Williams	Conservation Technology Information Center	West Lafayette	IN
Allen	Williams	Ridgeline Farm Inc.	Cerro Gordo	IL
Karl	Williard	Southern Illinois University Carbondale	Carbondale	IL
Jules	Willott	Willott Farm	Mexico	MO
Pat	Wise	Wise Family Farms	Connersville	IN
Lowell	Wise	Wise Family Farms	Connersville	IN
Jay	Yeargin	Yeargin Farms		
Ernie	Yoder		Arthur	IL
Cyndi	Young	Brownfield Ag News	Jefferson City	MO
Bryan	Young	Southern Illinois University	Carbondale	IL
Paul	Youngstrum	USDA/NRCS	Morris	IL
Thomas	Zweifel	Northwest Missouri State University	Maryville	MO

STOVER IS MORE THAN JUST “TRASH” IN THE FIELD

OUR SOIL NEEDS MORE HELP NOW than ever before. Each year soil degrades from erosion, the loss of soil organic matter (SOM) and the mineral mining from our crops and tillage practices. We need plant stover to maintain our soil’s ability to provide a productive crop and help the soil remain sustainable for the long-term. Removing some or all of the stover for any purpose will only accelerate the depletion of our soil and its valuable resources.

Corn stover plays an important role in maintaining the essential nutrient levels in our soils required by our crops to meet their full yield potential. An acre that yields 200 bushels of corn produces 4.73 tons of stover. In a typical baling and harvesting, up to 80 percent, or 3.78 tons, of the residue is removed from the field. That amount of stover can include up to 75 pounds of nitrogen, 26 pounds of phosphorus and 124 pounds of potassium. At today’s increasing fertilizer prices, replacement of these vital nutrients is definitely a cost to consider.

And, those are just the essential nutrients. We often take other secondary nutrients for granted which are contained in the stover as well. Sulfur, calcium and magnesium are also removed in substantial quantities, up to 10.9 pounds, 36.6 pounds and 12.8 pounds, respectively, on 200-bushel-per-acre corn. The secondary nutrient ratios in the soil are vital to nutrient availability for crops and herbicide effectiveness on weeds.

Continual removal of corn stover effects the health and vitality of our soils. Soil is a vital resource that cannot be replenished. It should and can be managed in a way that actually improves soil properties and yield potential for future generations. We must think long-term and realize the true value of what our crop residue leaves behind.

“TRASH” INDEX				
A Snapshot of Corn Stover Nutrients and Values				
Nutrient	Pounds/ton of Stover	Pounds/acre	\$/Pound	Total \$/Acre
Nitrogen	20	75.6	\$0.50	\$37.80
Phosphorus	7	26.46	\$0.73	\$19.32
Potassium	33	124.74	\$0.35	\$43.66
Sulfur	3	11.34	\$0.52	\$5.90
Calcium	10	37.8	\$0.34	\$12.85
Magnesium	4	15.12	\$0.34	\$5.14
Costs	Tons/Bale	Bales/Acre	\$/Bale	Total \$/Acre
Custom Baling	0.6	6.3	\$13.84	\$87.19
Total				\$211.86
Income	Tons/Acre	Bales/Acre	\$/Bale	Total \$/Acre
Sale of Corn Stover	3.78	6.3	28.54	\$179.80
Net Profit/Loss				-\$32.06

Source information is available at <http://harvestingthepotential.org/wp-content/uploads/MoreThanJustTrash.pdf>