



### Dwayne Beck

Dwayne Beck is the research manager for the SDSU Dakota Lakes Research Farm located near Pierre, South Dakota. His research emphasis is on developing no-till systems for irrigated and dryland areas in central South Dakota but his expertise has been sought and utilized throughout the world. His identification of the extremely important role of crop rotation in minimizing

weed, disease, and insect problems while increasing potential profitability has allowed producers to profitably adopt no-till techniques in the Dakotas and elsewhere. Dr. Beck was inducted into the South Dakota Hall of Fame in 2007 and was presented with the American Agricultural Editors Association Distinguished Service Award in 2008.



### Bill Crabtree

Bill Crabtree also known as "No-Till Bill" for his passion for no-tillage and the role he played in the Western Australian (WA) no-tillage revolution. Bill spent a year in Canada in 1996, learning how no-tillage is done in North America. No stranger to the Manitoba North Dakota Zero Tillage Farmers' Association he helped the organization edit Advancing the Art of Zero Tillage the Association's 2nd manual. Through Bill's efforts to bring no-till cropping systems to Western Australia, his home state now boasts a 95% adoption rate. Bill's quests for sustainability in dryland agriculture has provided him some interesting challenges in the intervening years since his early involvement with no-till.

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### Jill Clapperton

Soil Health Scientist- Dr. Jill Clapperton was the Rhizosphere Ecologist at the Agriculture and Agri-Food Canada Lethbridge Research Centre in Lethbridge, Alberta, Canada for 16 years. During her time in Lethbridge, Jill lead the Rhizosphere Ecology Research Group studying plant-disease-soil-soil animal interactions, crop variety-nutrient uptake rhizosphere community interactions, and soil organic matter quality influences on the diversity and population dynamics of soil fauna. In November 2006, Jill moved onto the Maclay family ranch near Carlton in western Montana. Jill has been

a popular speaker at several of our previous Winter Conferences. This is a rare opportunity to interact with one of the world's authorities on the microbial interaction taking place in our soils. Get the tools to achieve the next step to unlock the potential in your soils. Don't miss the chance to ask Dr. Clapperton the questions that will help you take your operation to the next level!



### Sarah Singla

Sarah Singla is a 27 years old farmer in the south of France. Educated as an agronomic engineer from the National Agronomic School in Montpellier (SupAgro), she assumed management of her grandfather's farm three years ago. This farm has been

direct seeded since 1980. Today, she manages and works alone on her farm. She grows wheat, triticale, buckwheat, sudangrass, rapeseed, alfalfa, peas, linseed, sunflower, phacelia, parsley and dill. In 2011, she was awarded with the French Nuffield scholarship and has travelled in several countries to study how to reduce inputs in no-till cropping systems using a holistic approach.



### Karl Kupers

Karl Kupers joined his father in 1973 working on their grain farm which is located in the low rainfall (11 - 12 inches per year) region of Lincoln County, Washington. In the mid-1990's out of concern for soil health and sustainability, Karl used a SARE Farmer Research grant to begin experimenting with alternative

crops and direct-seed cropping systems on a 40 acre test plot. He has also been involved in on-farm cropping systems trials with WSU Extension and Wilke Research Farm (alternative dryland cropping systems trials). He gradually translated these practices to the entire farm. To capture value and market share through his commitment to sustainability, Karl became the first Food Alliance certified grain grower. Food Alliance certification and market development efforts facilitated his marketing of grain direct to food processors, such as artisan bakeries. Karl is widely recognized and respected for his efforts to improve the sustainability of dryland grain farming.

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# "Sustainable Ag Through Zero Till"

## Manitoba-North Dakota Zero Tillage Farmers Association

34th Annual Zero Till

# Workshop & Trade Show

January 9-11, 2012

Holiday Inn, Riverside, Minot, N.D.

For On-Line Registration information:

[www.mandakzerotill.org](http://www.mandakzerotill.org)

For More Information Contact:

**Bonnie Staiger**

Executive Secretary

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E-mail: [mandak@westriv.com](mailto:mandak@westriv.com)

**Monday, January 9, 2012**

4:30 pm.....Registration Begins  
 6:00 pm.....Complimentary Soup and Sandwich Bar  
 6:30 pm.....Association General Meeting

**Session 1**

7:30 pm.....International Show and Tell  
 Sarah Singla, no-till producer, France as well as North Dakota and Canadian producers

**Tuesday, January 10, 2012**

7:00 am.....Registration Begins  
 Trade Show opens

**Session 2**

8:00 am.....President's Welcome – Mike Zimmerman  
 8:15 am.....Keeping No-till Sustainable – Dwayne Beck  
 9:00 am.....Soil Health and Marketing its Value to Consumers – Jill Clapperton  
 9:45 am.....Break

**Session 3**

10:15 am...Marketing What You Do – Karl Kupers  
 11:00 am...Search for Sustainability in Dryland Agriculture – Bill Crabtree  
 11:45 am...Awards Presentation and Luncheon

**Session 4**

1:00 pm.....Crop Synergism: A Natural Benefit for Improved Crop Production  
 – Randy Anderson

**Session 5a**

2:00 pm.....Rotations for the Northern Plains  
 – Mark Liebig  
 2:40 pm.....Adjuvant selection  
 – Jason Hanson  
 3:15 pm.....Break  
 3:45 pm.....Population Based Weed Management  
 – Randy Anderson

**Session 5b**

2:00 pm.....Fungicide Resistance Starts Now  
 – Michael Wunsch  
 2:40 pm.....Optical Sensors for Variable Nitrogen Management – Guy Lafond  
 3:15 pm.....Break  
 3:45 pm.....The Tie Between Soil Fertility and Soil Biology – Jill Clapperton

**Session 6a**

4:15 pm.....Sustainable Panel – Dwayne Beck, Jill Clapperton, Bill Crabtree, Karl Kupers  
 5:30 pm.....International Beer and Bull Session

**Session 7**

7:30 pm.....Rap Sessions  
 #1 Drill opener discussion  
 #2 Residue Management  
 8:30 pm.....Rap Sessions  
 #3 Zero-till Corn Production  
 #4 Weed Control

**Wednesday, January 11, 2012**

7:00 am.....Trade Show Opens

**Session 8**

7:45 am.....Long Term No-till What it Means to the Bottom Line– Guy LaFond  
 8:30 am.....Noticeable Changes in Soils – Jim Halford  
 9:15 am.....Seeding in Extremely Wet Conditions Panel  
 Dwayne Beck, Jill Clapperton, Guy Lafond

10:00 am...Break

**Session 9**

10:30 am...Residue Management, Length and Position Counts – John Nowatzki and Roger Ashley  
 11:15 am...What 30 years of No-till has Taught Me and the 2012 Workshop Summary – Dwayne Beck  
 12:15 pm...Closing remarks and adjourn, Mike Zimmerman

**Extra Session (limited to 60 people)**

1:00 pm.....Complimentary Lunch  
 1:30 pm.....Round table discussions with Dwayne Beck, Jill Clapperton, Guy Lafond, Randy Anderson, Karl Kupers & Others

**Workshop and Trade Show Headquarters**  
**Holiday Inn - Riverside**  
 2200 Burdick Expressway East, Minot, ND 58571  
 Phone: (800) 468-9968 (701) 852-2504  
 Ask for ManDak Block of Rooms  
 Other Lodging Accommodations  
 Grand International Inn  
 701-852-3161

**Manitoba-North Dakota Zero Tillage Farmers Association**

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**Registration includes:**

- Soup and Sandwich Jan. 9
- Lunch on Jan. 10
- Beer and Bull Session
- Access to the Trade Show
- Workshop Proceedings Book
- Guarantee that you will learn at least 3 new things or your registration refunded

**Manitoba/North Dakota Zero Tillage Farmers Association  
 2012 Workshop Registration**

Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_  
 State/Province \_\_\_\_\_ Zip/Postal Code \_\_\_\_\_  
 Email \_\_\_\_\_

No Single Day Registrations Available

**Pre Registration**  
 Receive by mail before Jan. 4 ..... \$120.00  
 Group Rates Available.....Contact Bonnie Staiger

**At the Door** ..... \$150.00  
*Receive Proceedings Book*

**Extra Session**  
 Pre Registration by Jan. 4 ..... \$50.00  
 At the Door ..... \$60.00

**“Continuing Education Units (CEU’s) applied for Certified Crop Advisors”**

**Complete form, attach a check and mail to:**  
 Bonnie Staiger, Executive Secretary  
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