

2005 FLUID TECHNOLOGY ROUNDUP
“MAKING THE MOST OF YOUR RESOURCES”

Sheraton Westport Chalet Hotel

St. Louis, MO

Dec. 7-8, 2005

Sponsored by the Fluid Fertilizer Foundation

Co-sponsors:

Fluid Journal

International Fertilizer Development Center

The Fertilizer Institute

Southwestern Fertilizer Conference

Dealer & Applicator Magazine

Wednesday, Dec. 7

7:30-8:15 am Continental Breakfast

8:30-8:40 Welcome and Announcements. How the Roundup Will Work
-----Kim Polizotto, Potashcorp
Program Chairman

8:40-9:15 General Session: Where is the Fertilizer Industry Headed?
David Delaney, Potashcorp

9:15-9:30 Break, move to Workshops of Choice

9:30-10:30 Workshop Session 1

1-A. **Fluid Formulating: Basic** Jon Nevins, Form-U-Share
1-B. **T-Reactor Operations** Mike Orr, J.R. Simplot
1-C. **Fertigation** Dr. Tom Ruehr, Cal Poly Univ.
1-D. **Pumps, Valves, Control Panels** David Junge, Junge Control
1-E. **Importance of Proper Point Source Protection Design**
R. Hovey Tinsman, Jr., Twin States

10:30-10:45 Break, move to Workshops of Choice.

10:45-11:45 Workshop Session 2

2-A. **Compatibility of Ag Chemicals with Fluids**
Johnnie Roberts, Helena
2-B. **Characteristics of Acids and Their Importance in
Maintenance** Barrie Winn, PCS Phosphates
2-C. **Suspension Basics** Jim May, Jim May Equipment

- 2-D. **Handling Fluid Fertilizer – Selecting the Right Components and Equipment** Larry Lankenau, Murray Equipment
- 2-E. **Understanding the Importance of Water Quality in Fluid Mixes** Vatren Jurin, Brandt Consolidated

Noon-1:00 pm Luncheon (no program). Visit Tables of Information

1:00-1:05 Announcements Kim Polizotto, Program Chairman

1:05-1:45 General Session: Regulatory Issues Facing the Fertilizer Industry
Mike Hancock, Indiana State Chemist's Office and AAPFCO

1:45-2:00 Break and move to Workshops of Choice

2:00-3:00 Workshop Session 3

3-A. Fluid Formulating: Advanced

Jon Nevins, Form-U-Share

3-B. Fluidizing Solids Jim May, Jim May Equipment

3-C. Foliar Fertilization

Tom Fairweather, Tessengerlo Kerley

3-D. Catastrophic Tank Failure: Causes and Prevention

John Boyd, Bluewater Technology

3-E. Unstaffed and Automated Liquid Terminals

Jerry Foster and Steve Swift, Kahler Automation

3:00-3:20 Break and move to Workshops of Choice

3:20-4:20 Workshop Session 4

4-A. Compatibility of Ag Chemicals with Fluids

Johnnie Roberts, Helena

4-B. Characteristics of Acids and Their Importance in Maintenance

Barrie Winn, Potashcorp

4-C. Fertigation

Tom Ruehr, Cal Poly Univ.

4-D. Mixing and Material Selection Mike Orr, J.R. Simplot

4-E. Understanding the Importance of Water Quality in Fluid Mixes

Vatren Jurin, Brandt Consolidated

5:30-6:30 Complimentary Happy Hour, Discussions, Visit Tables of Information
Dinner on your own.

Thursday, Dec. 8

7:30-8:15 am Continental Breakfast

8:30-8:35 Announcements Kim Polizotto, Potashcorp

8:35-9:15 General Session: What's Ahead in Application Technology?
Lee Madden, John Deere

9:15-9:30 Break and move to Workshops of Choice.

9:30-10:30 Workshop Session 5

- 5-A. **Fluid Formulating: Basic** Jon Nevins, Form-U-Share
- 5-B. **Characteristics of UAN Sources** Mike Orr, J.R. Simplot
- 5-C. **Fluidizing Solids** Jim May, Jim May Equipment
- 5-D. **Handling Fluid Fertilizer – Selecting the Right Components and Equipment** Larry Lankenau, Murray Equipment
- 5-E. **Importance of Proper Point Source Protection Design**
R. Hovey Tinsman, Jr., Twin States

10:30-10:45 Break and Move to Workshops of Choice.

10:45-11:45 Workshop Session 6

- 6-A. **Fluid Formulating: Advanced** Jon Nevins, Form-U-Share
- 6-B. **Troubleshooting** Mike Orr, Jim May
- 6-C. **Catastrophic Tank Failure: Causes and Prevention**
John Boyd, Bluewater Technology
- 6-D. **Pumps, Valves and Control Panels**
David Junge, Junge Control
- 6-E. **What's Ahead in Application Technology: Extended Discussion**
Lee Madden, John Deere

Noon-1:00 pm Luncheon (no speaker). Visit Tables of Information

FILL OUT EVALUATION FORMS AND LEAVE IN WORKSHOPS

1:00-1:15 Move to Workshops of Choice.

1:15-2:15 Workshop Session 7

- 7-A. **Fluid Formulations and Placement**
Larry Murphy, Fluid Fertilizer Foundation
- 7-B. **T-Reactor Operations** Mike Orr, J.R. Simplot
- 7-C. **Foliar Fertilization** Tom Fairweather, Tessengerlo Kerley
- 7-D. **Suspension Basics** Jim May, Jim May Equipment
- 7-E. **Unstaffed, Automated Liquid Terminals**
Jerry Foster and Steve Swift, Kahler Automation

2:15-2:30 WRAP UP. TURN IN EVALUATION SHEETS! HAVE A SAFE TRIP HOME. MERRY CHRISTMAS!!