

Methods Forum XIII

Fertilizer Method Development, Validation & Training Using AOAC, AAPFCO & ISO Standards

Held in Conjunction with the Midyear AAPFCO (Association Of American Plant Food Control Officials) Meeting

February 19th, 20th & 21st, 2014

Hotel Information:

San Diego Marriott Mission Valley
8757 Rio San Diego Drive · San Diego, California 92108 USA

Forum Registration Fee \$175 (\$200 on site or after January 18) separate from AAPFCO Registration Fee

**Room Block Name: AAPFCO (block closes Jan. 18, 2013) Rate: \$125.00+ tax per room, per night
(single/double) Group Code: AAPFCO Online reservations:**

https://resweb.passkey.com/Resweb.do?mode=welcome_ei_new&eventID=10796343&utm_source=4121&utm_medium=email&utm_campaign=25862040

Who Should Attend the Forum? - Regulatory, Commercial, Industry, Academic & Vendor, Chemists Analyzing Nutrients and Contaminants in Fertilizers as well as Technical Experts, Product Managers; Fertilizer Regulators and State Control Officials

Forum Highlights Include Presentations and/or Discussions Related to:

Discussion of ISO Method Standards Proposals

Training Modules (Including Video) To Improve Laboratory Techniques & Performance

Regulatory Impact of Material Sizing on Sampling & Spreading Performance

Validation of Method for Analyzing for Sulfur In Different Forms & Matrices by Combustion

Validation of Methods for Testing Slow & Controlled Release Products

New & Improved Methods for Trace & Nutritive Metals Analysis in Fertilizers

Extracting “Total” and “Soluble” Micronutrients

New Procedures Increasing Accuracy & Throughput of P & K by ICP - OES

Assessing Sampling and Sample Preparation Procedures

Preparing Single Lab Validation and Collaborative Study Protocols

Poster Presentations By Author/Experts in Fertilizer & Instrumental Analysis

Optional Friday AM Tour Of The World Famous Scripps Oceanographic Institute

See Back For Schedule

For More Meeting Information Call Bill Hall @ 863-559-2197

Email: bill.hall@mosaicco.com

To Register On-Line Go To

http://www.aapfco.org/meetings_aapfco.htmlhttp://www.aapfco.org/meetings_aapfco.html

Don't forget! Methods Forum is a separate event and fee from the AAPFCO meeting & registration fee

Methods Forum XIII – Agenda San Diego Marriott Mission Valley

Wednesday 2/19 - Location – Rooms TBD

9:00 – 11:30 AM - Posters available for preview

1:00 PM – Welcome, Introductions & Industry Updates - Bill Hall, Mosaic

1:10 PM - Method Development Initiatives

- ISO Standards Development– **Hugh Rodriguez, Thornton Labs (US ANSI TAG Chair to ISO TC-134)**
- Challenges of Analysis of P & K by ICP-OES - **James Bartos, Office of the Indiana State Chemist**
- Method Validation for Nutritive and Non - Nutritive Metals – **Sharon Webb, U of KY Reg. Services**
- HPLC Method Validation for analysis of Methylene Urea Compounds – **Mike Hojjatie, Tessenderlo Kerley Inc.**
- Methods Validation for Testing SR/CR Materials – **Bill Hall, Mosaic Fertilizer, LLC**
- Validation of a Combustion Method to Analyze Total S – **Dominik Margraf, Elementar Americas, Inc.**

2:45 PM – Break

3:00 PM – Resource Presentations

- Raw Material Sizing Impact Blends - Sampling and Analysis – **Bill Hall**
- Development of Reference Materials – **Harold Falls, CF Industries**
- Developing Lab Training Videos; Current & Future – **Wade Foster, TFI**
- AOAC Publication & Validation Progress – **Nancy Thiex, Thiex Laboratory Solutions, LLC**

4:00 PM - Open Forum

- Analyzing Materials with Microbial/Humic/Organic Guarantees – Method, Matrix and Safety Issues
- What to do About Soluble Guarantees – Mn, Zn...
- Developing a Universal Nutrient Extraction Procedure

4:30 PM - Workout[®] Format Presentation & Use - Bill

4:40 PM - Break

5:00 – 6:00 PM WG Breakouts - Identifying Issues

N-P-K Methods – Sizing & Sampling – **James Bartos**

Secondary Nutrients - Ca, Mg, S, Organic Matrices & Others... – **Hugh Rodrigues**

Micronutrients, Trace Metals & Contaminants – **Sharon Webb**

Beneficial Substances, Microbial Additives, Moisture, Extraction Techniques – **Bill Hall**

6:30 PM - Dinner & Presentation – “Would you like to be me? – Bill”

Thursday 2/20 7:30 AM – Breakfast Buffet & Poster Presentations

Thursday 2/21 8:30 AM – Breakouts Cont. – Developing Action Plans

N-P-K Methods – Simultaneous P & K by ICP, Sizing & Sampling – **James Bartos**

Secondary Nutrients - Ca, Mg, S, Organic Matrices & Others... – **Hugh Rodrigues**

Micronutrients, Trace Metals & Contaminants – **Sharon Webb**

Beneficial Substances, Microbials, Moisture, CR Fertilizers, Extraction Techniques – **Bill Hall**

10:00 AM - Break

10:15 AM – General Session - Work Group Reports & Group Discussion

Tasks Identified and Action Plan Recaps

11:45 PM - Lunch On Your Own

1:30 PM – Session III

Workgroup Breakouts Resume – Define Tasks, Timelines & Assign Accountability - Open Forum

N-P-K Methods – Simultaneous P & K by ICP, Sizing & Sampling – **James Bartos**

Secondary Nutrients - Ca, Mg, S, Organic Matrices & Others... – **Hugh Rodrigues**

Micronutrients & Trace Metals & Contaminants – **Sharon Webb**

Beneficial Substances, Microbials, Moisture, CR Fertilizers, Extraction Techniques – **Bill Hall**

3:00 PM – Break

3:15 PM – General Session - Group Reports & Assignments - Capturing Ideas/Action Items /Follow-Up Assignments

Identifying Future Issues – **Bill Hall**

4:30 PM – Dinner - On Your Own

Friday 2/21 8:30 - 11:45 AM - Tour - Scripps Oceanographic Institute http://aquarium.ucsd.edu/Plan_a_Visit/