

# *ISO – TC/134 Update*

*Hugh Rodrigues  
Thornton Laboratories Testing & Inspection Svcs, Inc.  
ANSI – US/TAG to ISO TC-134  
V. P. Lab Operations  
Hugh.Rodrigues@Thorntonlab.com*

## ISO – TC/134 UPDATE

- **ISO – TC-134 Fertilizers and Soil Conditioners**

- Secretariat: ISRI – Iran, Chair: Bill Hall, Mosaic

- **WG -1, *Inorganic / Mineral Fertilizers*** - Chair: Gang Liu, China

- **WG -2, *Organic Fertilizers*** - Chair: Ms. Tabari, Iran

- **WG -3, *Vocabulary and Statistics*** - Chair: Hugh Rodrigues, USA

- **WG -4, *Liming Materials & Soil Conditioners*** - Chair: Francois Gaumont, France

## *ISO – TC/134 UPDATE*

- **ISO: Stages – NWIP, CD, WD, DIS, FDIS, ISO standard**
  - **ISO 19746 – Determination of Urea Content by HPLC (published)**
  - **ISO 19670 – Urea Aldehyde Slow Release Fertilizer – General Requirements (published)**
  - **FDIS 18645 – Water Soluble Compound Fertilizer Materials, General Requirements**
  - **FDIS 18644 – Controlled Release Fertilizers, General Requirements**
  - **FDIS 18643 – Determination of Biuret Content of Urea Based Fertilizers by HPLC**
  - **CD 19745 – Free Water in Ammonium Phosphate Materials by Vacuum Oven @ 50°C**
  - **CD 19747 – Determination of Plant available silicon in non-liquid materials**
  - **CD 19822 – Determination of Humic and Fulvic acids**

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- **CD 20917 – Determination of Available Phosphate & Soluble Potash Extracted with NAC and Quantified by ICP**
- **CD 20974 – Determination of Secondary Nutrients & Trace Metals by Mixed Acid Digestion and Quantitation by ICP**
- **CD 20620 – Determination of Total Nitrogen by Combustion**
- **CD 20702 – Determination of Micro Amounts of Inorganic Anions by IC**
- **CD 22018 – Determination of Available P<sub>2</sub>O<sub>5</sub> extracted with EDTA**
- **DIS 21263 – Determination of release rates of nutrients**

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- ***WG - 3***
- ***ISO 7409 – Markings – Presentations and Declarations***
- ***WG - 4***
- **ISO/WD 20978 – Determination of Neutralizing Value**
- **ISO/ WD 20977 – Determination of Size Distribution by Dry & Wet Sieving.**
- **WD 22146 – Reactivity of Liming materials – by titration with Citric acid**

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### **Future work items:**

- **Total Sulfur by combustion -**
- **Determination of Acid soluble Phosphate & Potassium by ICP-OES**
  
- **Total Nitrogen in UAN (28-32%) by refractive index and density**
- **Boron – Extracted with 5% HCl and determined by ICP-OES**
- **CHELATES – Identification, determination of chelated nutrients**
- **Note: CEN EU has a procedure for quantifying the EDTA family but not necessarily saying that the nutrient is ‘chelated’.**
- **Determination of Salt-out temperature of liquid fertilizer.**

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### **TC 134 Members P-MEMBERS : 26**

ARMENIA

CHINA

EGYPT

GERMANY

ITALY

KENYA

NIGERIA

SPAIN

UNITED KINGDOM

CANADA

CHEZ REPUBLIC

FRANCE

IRAN

JORDAN

NETHERLANDS

RUSSIAN FEDERATION

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# •Thanks

- American National Standards Institute (ANSI)
- The Fertilizer Institute (TFI),
- US-TAG and the Fertilizer industry
- Association of American Plant Food Control Officials (AAPFCO)