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ANSI - US/TAG to ISO TC-134

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- Background
 - Technical Committee 134
 - Fertilizers & Soil Conditioners
- US -TAG
 - Composition
- Challenges
- Progress

- ISO International Standards ensure that products and services are safe, reliable and of good quality.
 They level the playing field and facilitate free and fair global trade.
- They help to harmonize technical specifications of products making industry more efficient and breaking down barriers to international trade
- ISO standards are developed by groups of experts from all over the world, that are part of larger groups called technical committees. These experts negotiate all aspects of the standard, including its scope, key definitions and content.

- The technical committees are made up of experts from the relevant industry, but also from consumer associations, academia, NGOs and government.
- US TAG
 - AAPFCO 5
 - Academia 3
 - Industry 10

CHALLENGES **Ability to respond to a changing marketplace**

- New Products / Technologies Coated, Enhanced Efficiency, Non traditional sources of inputs
 - Technical / Regulatory Requirements
 - ❖ Food Safety Issues
 - Contamination / Adulteration / Heavy Metals

- Inability to engage relevant stakeholders
- Agreement on effective standards and definitions
- Identification & Validation of appropriate methodologies for analysis of fertilizers and soil conditioners
- Responding to the marketplace

PROGRESS

2 Standards in DIS stage

SCU – Analytical methods, General requirements

3 Under review for DIS stage

Vocabulary, HM, Potassium (gravimetric)

4 WD initiated

Urea (general requirements), Biuret (HPLC), CRF (requirements), WS Fertilizer (general requirements)

Submission of NWIP from US

- Nitrogen by combustion
- Moisture for phosphatic products
- Accelerated method for NPK in CRF products
- Urea by HPLC
- Secondary + micro-nutrients by ICP (mixed acid digestion)
- Available Silicon by colorimetric procedure 5 Day extraction
- Phosphorus + Potassium (Total & Available) by ICP
- Sulfur by combustion analyzer

Thanks

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

Note: All information from ISO @ www.iso.org