

**LABELING & DEFINITIONS COMMITTEE**  
**AAPFCO 2005 Annual Meeting**  
**St. Pete Beach, Florida**  
**August 2, 2005**

The Labeling and Definitions Committee met on Tuesday, August 2 with 67 attendees.

Dr. Liptay with Stoller Enterprises proposed new chelating agents, and the committee proposed the following definitions:

1. **Copper MEA** – is the chelate of any soluble copper salt and Ethanol, 2-amino-2-hydroxy-1,2,3-propanetricarboxylate.
2. **Magnesium MEA** – is the chelate of any soluble magnesium salt and Ethanol, 2-amino-2-hydroxy-1,2,3-propanetricarboxylate.
3. **Cobalt MEA** – is the chelate of any soluble cobalt salt and Ethanol, 2-amino-2-hydroxy-1,2,3-propanetricarboxylate.
4. **Calcium MEA** – is the chelate of any soluble calcium salt and Ethanol, 2-amino-2-hydroxy-1,2,3-propanetricarboxylate.
5. **Zinc MEA**– is the chelate of any soluble zinc salt and Ethanol, 2-amino-2-hydroxy-1,2,3-propanetricarboxylate.
6. **Manganese MEA**– is the chelate of any soluble manganese salt and Ethanol, 2-amino-2-hydroxy-1,2,3-propanetricarboxylate.
7. **Iron MEA** – is the chelate of any soluble copper salt and Ethanol, 2-amino-2-hydroxy-1,2,3-propanetricarboxylate.

Dr. David Terry updated the committee about the incorrect use of the name Calcium Ammonium Nitrate to describe a mixture of ammonium nitrate and calcium carbonate. This is not a labeling problem but a misconception in the field. Dave asked the committee to refer to SUIP #6.

Dr. Millaway with Conagra proposed a new definition for Nitric Phosphate 33-3-0. The definition was not approved since the committee determined that this material is actually a prilled mixture of ammonium nitrate and nitrophosphate.

The committee approved a new definition for Urea Phosphite submitted by Mr. Frank Dean with LidoChem.

Nickel was approved as a new micronutrient added to term T-9.

T-9 Secondary and Micro Plant Nutrients – Those other than the primary nutrients that are essential for the normal growth of plants and that may need to be added to the growth medium. Secondary plant nutrients shall include calcium, magnesium and sulfur; micro plant nutrients shall include boron, chlorine, cobalt, copper, iron, manganese, molybdenum, [nickel,] sodium and zinc.

A new term was approved for T-9.1 for Beneficial Substances or Compounds.

**Beneficial Substances or Compounds** - means any substance or compound other than primary, secondary, and micro plant nutrients that can be demonstrated by scientific research to be beneficial to one or more species of plants.

The committee also approved a new Fertilizer Rule 2(f) for the uniform labeling format of these beneficial substances.

- (f) **[Beneficial substances or compounds guarantees shall appear under the heading “Contains Beneficial Substances” or “Contain Beneficial Compounds” or “Contains Non-Plant Food Ingredients”.**

**Contains Beneficial Substance**

**Beneficial Substance .....% or acceptable units**

**Or**

**Contains Beneficial Compound**

**Beneficial Compound.....% or acceptable units**

**Or**

**Contains Non-Plant Food Ingredients**

**Non-Plant Food Ingredient.....% or acceptable units]**

**Note: Current Rule 2(f) and (g) will be renumbered as new Rule 2(g) and (h).**

The committee approved a new term for a Available Silicon submitted by Mr. Dan Muller with Recmix. The committee also approved new definitions for:

T-? **Available Silicon (Si) is the soluble portion of the total silicon in a fertilizer known as monosilicic acid [Si (OH) <sub>4</sub>].**

**C-? Calcium silicate is derived from naturally occurring minerals such as Wollastonite or synthetically derived, having the principal formula of  $\text{CaSiO}_3$ .**

**K-? Potassium silicate is derived from a readily soluble solid or aqueous solution having the principal formula of  $\text{K}_2\text{O} \times \text{SiO}_2$ , where  $x = 1$  to  $3$  on a weight basis.**

**Na-? Sodium silicate is derived from a readily soluble solid or aqueous solution having the principal formula of  $\text{Na}_2\text{O} \times \text{SiO}_2$ , where  $x = 1$  to  $3.5$  on a weight basis.**

The committee continued the discussion for Organic with a presentation made by Mr. Dave DeCou with the Organic Trade Association. Concerns were noted with definitions for T-63 for Organic Input and SUIP 28. The committee approved to delete the reference to USDA logos in SUIP 28 since USDA does not certify fertilizers. This change will be submitted to the Board in February 2006.