

Phosphorus Labeling Considerations

Presented by:

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Environmental Affairs Committee



Direction from 2/19 Environmental Affairs Committee Meeting

- Evaluate water extractable phosphorus test method
- Create new definitions and/or re-purpose existing definitions
 - Water extractable phosphorus
 - Slow release phosphate
- Determine how to provide the additional P data on the label

P Working Group - Next Steps

1. Evaluate WEP test method, as necessary

Suggested, and provided to Lab Practices Committee

SERA-17 (Southern Extension and Research Activity) Test Method for Water-Extractable Phosphorus

- Currently being used by several University testing laboratories

P Working Group - Next Steps

2. Create / Repurpose related definitions

New definition

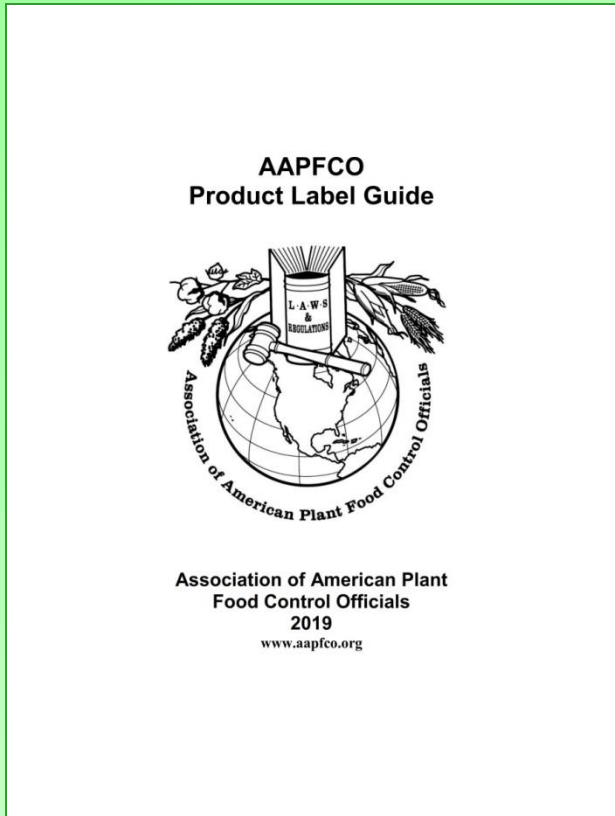
- Water extractable phosphorus – the amount of phosphate in a carbon-based fertilizer that is readily water soluble.

Re-purpose existing definition

- T-71 Slow release fertilizers – fertilizers in a form that release, or convert to a plant-available form, plant nutrients at a slower rate relative to an appropriate reference soluble product.

(Slow release phosphate, slowly available phosphate)

Current Labeling Status



Guarantee for Two Slowly Available Materials

GUARANTEED ANALYSIS

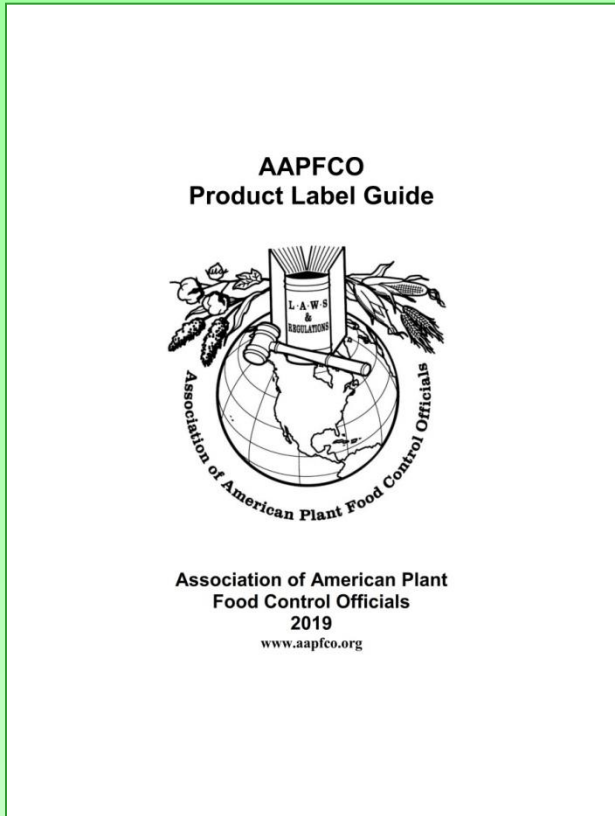
Total Nitrogen (N)	x%
x% Ammoniacal Nitrogen	
x% Nitrate Nitrogen	
x% Urea Nitrogen*	
Available Phosphate (P ₂ O ₅)**	x%

*x% Slowly available urea nitrogen from _____
(list source material).

**x% Slowly available phosphate from _____.

2019 AAPFCO Product Labeling Guide illustrates slowly releasing phosphate claim (Example for all phosphate in slow release form, unspecified test method by AAPFCO)

Current Labeling Status



Label 3: Basic Elements of a Bulk Compost Label

Brand Name	Grower's Bulk Compost
	0.2-0.2-0.3
Guaranteed Analysis	<p style="text-align: center;"><u>Guaranteed Analysis</u></p> <p>Total Nitrogen (N).....0.2%</p> <p>Available Phosphate (P₂O₅).....0.2%</p> <p>Total Phosphate (P₂O₅).....0.6%</p> <p>Soluble Potash (K₂O)0.3%</p> <p>Total Potash (K₂O).....0.5%</p>
Source of nutrients	Nutrients from composted poultry litter, wheat straw, and sulfate of potash.
Feedstock statement	Compost feedstock of poultry litter and wheat straw.
Product claims	This product improves soil structure and porosity and aids the proliferation of soil microorganisms.
Name and mailing address of registrant, distributor or manufacturer.	Farm Co-op Hwy 1, Box 7 Centerville, Any State Zip Code Phone Number
Net Weight or Volume.	Net Weight – 5 ton or See bulk scale ticket

If no plant nutrients are guaranteed, see Soil and Plant Amendment section.

2019 AAPFCO Product Labeling Guide illustrates Total and Available P allowance on label



P Working Group - Next Steps

3. Allow labeling language that delineates release rate / mobility of P

1-1-0.5

GUARANTEED ANALYSIS

Total Nitrogen (N)	1.0%
1.0% Water Insoluble Nitrogen*	
Available Phosphate (P ₂ O ₅).....	1.0%
Total Phosphate (P ₂ O ₅).....	2.0%**
Soluble Potash (K ₂ O).....	0.5%

Derived from composted cow manure

*1.0% Slowly available nitrogen from composted cow manure

**1.4% Slowly available phosphate from composted cow manure

The percentage of WEP is not on the label, to reduce confusion, but WEP testing would be used to substantiate the SAP claim. (This example identifies 30% WEP)

POSSIBLE ADD'L LABEL TEXT

The majority of phosphorus in Super Compost is in “bound” form and is slowly releasing. This type of phosphorus significantly reduces the likelihood of leaching and runoff.



QUESTIONS ?

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