TERMS AND DEFINITIONS COMMITTEE
SUBMISSION REQUEST FORM

Submission Date: 12/19/2017

CONTACT INFORMATION

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Category: New Fertilizer Material X New Term Soil Amendment Beneficial Substance

Submission's Proposed Definition:
Maleic – Itaconic Copolymer, Calcium Salt – A substance composed of a partial calcium salt of maleic – itaconic copolymer that can be applied to granular urea fertilizers or mixed with liquid ammoniacal nitrogen/urea fertilizers.

AOAC or Equivalent Method(s) of Analysis (if applicable):
See attached summary. Methods listed there are included in this application by reference.

Submitted Research: (Minimum of 3 required)
See attached summary. Research on efficacy listed there is included in this application by reference.

Additional Research Citations:

See attached summary. Research on mode of action listed there is included in this application by reference.

Can this material be posted to the Secure Site of the AAPFCO Website? (For control officials only.)

X Can this material be posted to the AAPFCO Website for everyone to see?
Bibliography of Documents Submitted\(^1\) in Support of AAPFCO Applications for Term for NutriSphere-N

**Proposed AAPFCO Term**

**Term:** Maleic – Itaconic Copolymer, Calcium Salt – A substance composed of a partial calcium salt of maleic – itaconic copolymer that can be applied to granular urea fertilizers or mixed with liquid ammoniacal nitrogen/urea fertilizers.

**AOAC or Equivalent Methods of Analysis**

1. Enforcement Analytical Methodology for AVAIL and NutriSphere-N Polymeric Fertilizer Enhancement Products – Recipe and Example Chromatography.


**Submitted Research**

*Published Efficacy Studies for NutriSphere-N*


9. Wiatrak, P. Clemson University, School of Agricultural, Forest and Environmental Sciences, 2014. Evaluation of Nitrogen Application Methods and Rates with NutriSphere-N on Soil Nitrate-Nitrogen in

\(^1\) Each listed document is being submitted as part of the AAPFCO application for a term for NutriSphere-N, except documents 3-6, which are available on the websites indicated above.


Additional Research Citations

Efficacy and Mode of Action Trial Data Comparing NutriSphere-N, Agrotain, and Humic Acid


Efficacy Meta-Analysis for NutriSphere-N


Summary of Uses and Benefits of NutriSphere-N


Published Environmental Effects Data for NutriSphere-N


Additional Mode of Action Studies


Except where otherwise noted, each of these supporting documents is available in the zip file accompanying this submission.