Submission Date: 12/19/2017

CONTACT INFORMATION

Name: Gary R. Orr, PhD

Telephone Number: (919) 825-1901 ext. 115

E-Mail Address: gary.orr@vlsci.com

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

Submission's Proposed Definition:
Maleic – Itaconic Copolymer, Sodium Salt – A substance composed of a partial sodium salt of maleic – itaconic copolymer that can be applied to granular phosphate 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?
TERMS AND DEFINITIONS COMMITTEE
SUBMISSION REQUEST FORM

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

Submission's Proposed Definition:
Maleic – Itaconic Copolymer, Ammonium Salt – A substance composed of a partial ammonium salt of maleic – itaconic copolymer that can be mixed with liquid phosphate 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\textsuperscript{1} in
Support of AAPFCO Applications for Terms
for AVAIL

Proposed AAPFCO Terms

Term 1: Maleic – Itaconic Copolymer, Sodium Salt – A substance composed of a partial sodium salt of maleic – itaconic copolymer that can be applied to granular phosphate fertilizers.

Term 2: Maleic – Itaconic Copolymer, Ammonium Salt – A substance composed of a partial ammonium salt of maleic – itaconic copolymer that can be mixed with liquid phosphate 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 AVAIL


9. Wiatrak, P. Clemson University, School of Agricultural, Forest and Environmental Sciences, 2013.

\textsuperscript{1} Each listed document is being submitted as part of the two AAPFCO applications for terms for AVAIL, except documents 3-6, which are available on the websites indicated above.


Published Mode of Action Study for AVAIL


Additional Research Citations

Efficacy Meta-Analyses for AVAIL – Submitted for Publication


Mode of Action Presentations


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