US EPA ARCHIVE DOCUMENT
MEMORANDUM

SUBJECT: Product Chemistry Reviews of Dimension Turf Herbicide (EPA ID No. 524-UGU) and MON-15151 Herbicide (EPA ID No. 524-UGR).

FROM: Alfred Smith, Chemist, Product Chemistry Review Section Registration Support Branch Registration Division (H7505C)

TO: Eugene Wilson, PM Team 23 Fungicide-Herbicide Branch Registration Division (H7505C)

THRU: Donald R. Stubbs, Acting Section Chief Product Chemistry Review Section Registration Support Branch Registration Division (H7505C)

Registrant: Monsanto Agricultural Company

MRID Nos.: 415474-01, -02; 415475-01, -02

CAS No.: 97886-45-8

Chemical Name/Common Name: 3,5-Pyridinedicarbothioic acid, 2-(difluoromethyl)-4-(2-methylpropyl)-6-(trifluoromethyl)-S,S-dimethyl ester/Dithiopyr

Product Names: Dimension Turf Herbicide (MON-15104); MON-15151 EC Herbicide
Introduction


Series 62 - Analysis and Certification of Product Ingredients (MRID Nos. 415474-02; 415475-02)

The revisions in the certified limits and the revised Confidential Statements of Formula are included in Confidential Appendix A for the product MON 15151 EC Herbicide and MON 15104 EC Herbicide.

The submitted information is adequate and no additional information is needed for this section.

Physical and Chemical Characteristics

Studies on Storage Stability (section 63-17) and Corrosion Characteristics (section 63-20) are summarized below for each end-use product.

MON-15104 EC Herbicide

Storage Stability and Corrosion Characteristics (MRID No. 415474-01)

The product was placed in quart and gallon, fluorinated and nonfluorinated, polypropylene containers and stored for 12 to 14 months at temperatures of 68 to 80 °F. Product samples were taken and analyzed for the active ingredient at the beginning of the storage period (0 time) and at various intervals thereafter. No significant change was noted in the active ingredient content (0.19-0.63%) after the 12 or 14 months' storage periods.

The study states that examination of the polypropylene jugs during and at the end of the study showed no evidence of deterioration or hardening.

The study is sufficient to fulfill the requirements of sections 63-17 (Storage Stability) and 63-20 (Corrosion Characteristics). Therefore, no additional data are needed for these sections.
MON-15151 EC Herbicide

Storage Stability and Corrosion Characteristics (MRID No. 415475-01)

The product was placed in quart and gallon, fluorinated, polypropylene containers and stored for 12 months at temperatures of 68 to 80 °F. Product samples were taken and analyzed for the active ingredient at time zero and at various intervals during the storage period. No significant change was noted in the active ingredient (0.37%) after 12 months.

The study states that examination of the containers during and at the end of the study showed no evidence of deterioration or hardening.

The study is sufficient to fulfill the requirements of sections 63-17 (Storage Stability) and 63-20 (Corrosion Characteristics). Therefore, no additional data are needed for these sections.

Summary

There are no outstanding data deficiencies for these products.

Attachment: Confidential Appendix A
Page ___ is not included in this copy.
Pages ____ through ____ are not included in this copy.

The material not included contains the following type of information:

X  Identity of product inert ingredients.

____  Identity of product inert impurities.

X  Description of the product manufacturing process.

____  Description of product quality control procedures.

____  Identity of the source of product ingredients.

____  Sales or other commercial/financial information.

____  A draft product label.

____  The product confidential statement of formula.

____  Information about a pending registration action

____  FIFRA registration data.

____  The document is a duplicate of page(s) ______

____  The document is not responsive to the request.

The information not included is generally considered confidential by product registrants. If you have any questions, please contact the individual who prepared the response to your request.