

Evaluation Report for Category B, Subcategory 2.6, 3.12 Application

Application Number: 2021-2472
Application: New EP Product Chemistry - New combination of Technical Grade Active Ingredients, New Product Label - New Site or Host
Product: Navicon
Registration Number: 34593
Active ingredients (a.i.): Mefentrifluconazole and Pyraclostrobin
PMRA Document Number: 3381787

Purpose of Application

The purpose of this application was to register a new end-use product, Navicon, for use on turf.

Chemistry Assessment

Navicon is formulated as a suspension containing mefentrifluconazole and pyraclostrobin, both at a concentration of 200 g/L. This end-use product has a density of 1.13 to 1.15 g/mL and pH of 5.5 to 7.0. The required chemistry data for Navicon have been provided, reviewed and found to be acceptable.

Health Assessments

Navicon is slightly acutely toxic in rats by the oral route, and of low acute toxicity in rats by the dermal and inhalation routes. It is minimally irritating to the eyes, mildly irritating to the skin of rabbits, and is not a dermal sensitizer in the guinea pig.

The use of Navicon on golf course turf is not expected to result in potential increase in occupational, residential or bystander exposure over the registered uses of mefentrifluconazole and pyraclostrobin. No health risks of concern are expected for workers, golfers and bystanders when label directions and precautions are followed.

A dietary exposure assessment was not required for this application.

Environmental Assessment

The application rate and use pattern for Navicon is within the registered use pattern for currently registered products. However, spray buffer zones were calculated to reflect the specific rates and reapplication intervals for the separate diseases. Risk to the environment is acceptable when Navicon is used according to the label directions.

Value Assessment

Rationales and efficacy data from 32 trials conducted in Canada and the USA were submitted in support of the use claims on the Navicon label. The efficacy of Navicon against the target diseases was tested using the Navicon formulation or products containing the relevant active ingredients, mefentrifluconazole or pyraclostrobin, as solo products at comparable application rates. Navicon treatments have demonstrated an acceptable level of disease control under adequate disease pressure against listed diseases on turf grass.

The supporting evidence confirmed the value of Navicon for control of the listed foliar diseases on turf. As both active ingredients are effective against the majority of the listed diseases and each active ingredient contributes to efficacy across a range of diseases in turf, the co-formulated Navicon has value in turf disease management by extending the spectrum of diseases controlled with a single product. The registration of Navicon will provide Canadian turf managers with a new product to manage these important turf diseases.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found it sufficient to support the registration of Navicon.

References

PMRA Document Number	References
3106714	2017, [CBI Removed] - Group A - Product Identity, Composition and Analysis, DACO: 3.2.1,3.2.2,3.2.3,3.3.1 CBI
3106716	2017, BAS 751 06 F: Formulation / End-use Product - Product Chemistry Evaluation (Based on OECD Dossier Numbering) Identity, Physical and Chemical Properties, Analytical Methods, Confidential information, DACO: 3.4.1,3.5.1, 3.5.2,3.5.3,3.5.4
3106717	2016, Physical and chemical properties of BAS 751 01 F: Storage stability and corrosion characteristics in commercial type containers, DACO: 3.5.1, 3.5.10, 3.5.14,3.5.2,3.5.3, 3.5.5,3.5.6,3.5.7,3.5.9
3106718	2017, Physical and chemical properties of BAS 751 06 F: Accelerated storage stability and corrosion characteristics in commercial type containers, DACO: 3.5.1,3.5.10,3.5.14, 3.5.2,3.5.3,3.5.5,3.5.6,3.5.7,3.5.9
3106719	2015, Determination of Physico-Chemical Properties According to Directive 94/37/EC (Regulation (EC) No. 440/2008), DACO: 3.5.11,3.5.12
3106721	2016, BAS 751 01 F: Determination of Oxidation/Reduction, DACO: 3.5.8
3223637	2016, Validation of Analytical Method [CBI Removed], DACO: 3.4.1 CBI
3223638	2017, Analytical Method [CBI Removed]: Determination of Mefentrifluconazole, Fluxapyroxad and/or Pyraclostrobin Content Fungicidal Suspension Concentrate (SC) Formulations and their TGAs by [CBI Removed], DACO: 3.4.1 CBI
3223639	2019, Physical and chemical properties of BAS 751 01 F: Storage Stability and corrosion characteristics in commercial type containers, DACO: 3.5.10
3235935	2021, DACO 10 1 - Value Assessment: Navicon - Disease Control in Golf Course Turf, DACO: 10.1
3235937	2021, BASF Canada Inc., DACO 10 - Trial Reports: Navicon, DACO: 10.2.3.3(D),10.3.2(B)

© Her Majesty the Queen in Right of Canada, as represented by the Minister of Health Canada, 2022

All rights reserved. No part of this information (publication or product) may be reproduced or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, or stored in a retrieval system, without prior written permission of Health Canada, Ottawa, Ontario K1A 0K9.