

Evaluation Report for Category B, Subcategory B.3.1 Application

Application Number: 2023-0463
Application: Category B.3.1 (Decrease in Application Rate)
Product: SuffOil-X
Registration Number: 33099
Active ingredient (a.i.): Mineral oil, 80%
PMRA Document Number: 3474716

Purpose of Application

The purpose of this application was to decrease the application rate from 13 L product per 1000 L water to 10 L product per 1000 L water on apples, pears, grapes, field-grown strawberries and greenhouse strawberries and to upgrade the pest claim from suppression to control of spider mites on apple, pears, and field-grown and greenhouse strawberries.

Chemistry, Health and Environmental Assessments

Chemistry, health and environmental assessments were not required because there was no change to product chemistry or to the overall use pattern of the product except to decrease the application rate and modify a pest claim on the crops noted above.

Value Assessment

The value of the reduced application rate of 10 L per 1000 L on the indicated crops, and the upgraded claim for spider mites, was supported by efficacy data from trials for woolly apple aphid and European red mite on apples and twospotted spider mite on field-grown and greenhouse strawberries as well as published research for powdery mildew on grapes. Supplementary support was provided by extrapolation from other uses on the SuffOil-X label registered at the rate of 10 L per 1000 L and by formulation considerations.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found the information acceptable to amend the registration of SuffOil-X to decrease the application rate from 13 L product per 1000 L water to 10 L product per 1000 L water for use on apples, pears, grapes, field-grown strawberries and greenhouse strawberries and to upgrade the claim from suppression to control of spider mites on apples, pears and field-grown and greenhouse strawberries.

References

- 3432733 2023, Summary of Value for a Rate Adjustment for SuffOil-X Spray Oil Emulsion on Strawberry (Greenhouse and Field), Apple, Pear and Grape, DACO: 10.1, 10.2.1, 10.2.2, 10.2.3.1, 10.2.3.3, 10.3.1, 10.4, 10.5.1, 10.5.2, 10.5.3, 10.5.4, 10.5.5
- 3432735 2021, SuffOil-X Efficacy Trials Against European Red Spider Mite on Apples: 2021 Data, DACO: 10.2.3.3(D)
- 3432737 E. H. Beers and R. R. Talley, 2008, REGISTERED MATERIALS FOR CONTROL OF WOOLLY APPLE APHID, Arthropod Management Tests 2009, 34(1): A2, DACO: 10.2.3.3(D)
- 3432738 J. Northover and K. E. Schneider, 1996, Physical Modes of Action of Petroleum and Plant Oils on Powdery and Downy Mildews of Grapevines, Plant Disease, 80(5): 544-550, DACO: 10.2.3.3(D)
- 3432739 2022, To determine efficacy of SuffOil-X on the control of Two Spotted Spider Mite in field grown June bearing strawberries., DACO: 10.2.3.3(D)
- 3432740 2022, To determine efficacy of SuffOil-X on the control of Two Spotted Spider Mite in field grown June bearing strawberries. Valley Sunset, DACO: 10.2.3.3(D)
- 3432741 2022, To determine efficacy of SuffOil-X on the control of Two Spotted Spider Mite in greenhouse strawberries. Seascape Variety, DACO: 10.2.3.3(D)
- 3432742 2022, To determine efficacy of SuffOil-X on the control of Two Spotted Spider Mite in greenhouse strawberries. Albion Variety, DACO: 10.2.3.3(D)

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