

Evaluation Report for Category B, Subcategory 3.1, 3.3 Application

Application Number: 2019-5795
Application: Changes to Product Labels – Application Rate Increase or Decrease and Application Number or Frequency
Product: Kabuto 400SC Fungicide
Registration Number: 31759
Active ingredient (a.i.): Isofetamid
PMRA Document Number: 3165015

Purpose of Application

Kabuto 400SC Fungicide was registered for use on turfgrass on golf courses and sod farms (USC # 30) for the control of dollar spot. The purpose of this application was to amend the use pattern of Kabuto 400SC Fungicide to increase the application rate and extend the application interval on turf and to make a change in rate.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

The occupational exposure and risk from the addition of a higher range of rates with a longer re-application interval on turf to the Kabuto 400SC Fungicide label was assessed. No health risks of concern are expected from the new use, provided that workers follow the label directions and wear the personal protective equipment identified on the label and that golfers enter treated golf courses after the sprays have dried.

No food residue data are required to support the amended use of isofetamid in/on turfgrass on golf courses and sod farms. However, due to the potential for residues to enter drinking water sources as a result of the turfgrass use, an aggregate dietary assessment is required to assess health risks from overall exposure to potential food residues from existing dietary uses and the amended turf use.

The amended use of isofetamid on turfgrass will not result in health risks of concern for any segment of the population, including infants, children, adults, and seniors.

A toxicology assessment was not required for this application.

Environmental Assessment

No additional data was required for the environmental assessment of Kabuto 400SC Fungicide. No additional environmental risk is expected from the increase of application rates and longer application timing interval for use on turfgrass on golf courses and sod farms however, new spray buffer zones were required.

Value Assessment

Eight efficacy trials conducted in ON and the US (MI and VA) during 2014 and 2018 tested Kabuto 400SC Fungicide at three rate-interval combinations: 22.2 mL/100 m² with a 21-day re-application interval, 22.2 mL/100 m² with a 28-day re-application interval, and 28.5 mL/100 m² with a 28-day re-application interval. The data supported that Kabuto 400SC Fungicide applied at 22.2 or 28.5 mL/100 m² with a 21 to 28 day re-application interval controls dollar spot on turfgrass.

The higher rates in combination with a longer re-application interval will allow for fewer applications of Kabuto 400SC Fungicide while still maintaining adequate control of dollar spot, a very serious disease of turfgrass.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found it acceptable to support the amendment to the Kabuto 400SC Fungicide use pattern.

References

PMRA Document Number	References
3040854	2019, Value Summary for Kabuto 400SC Fungicide Label Expansion in Turf - Extend Application Interval, DACO: 10.1,10.2,10.2.1,10.2.2,10.2.3,10.2.3.1,10.3,10.4,10.5
3040856	2019, Value Summary for Kabuto Fungicide Label Expansion in Turf - Extend Application Interval, DACO: 10.2.3,10.2.3.3(D)

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