



Tank Mixes

Evaluation Report for Category B, Subcategory 10.3 Application

Application Number: 2021-2150
Application: New or Changes to Product Labels-Tank Mixes
Product: USF0728 325 SC Fungicide
Registration Number: 31435
Active ingredients (a.i.): Prothioconazole 175 g/L, Trifloxystrobin 150 g/L
PMRA Document Number : 3285738

Background

USF0728 325 SC Fungicide was first registered on August 19th, 2014. It is a broad spectrum, preventative fungicide registered to manage major fungal diseases on some cereals, soybeans, corn, teosinte, dry peas, lentils, flax and chickpeas grown in the field when applied at rates ranging from 440 to 880 mL product/ha. Depending on the use, it can be applied a maximum of one or two times by ground or aerial equipment. For specific details of uses, application rates, methods, precautions, restrictions and personal protective equipment requirements refer to the product label.

Purpose of Application

The purpose of this application is to add a claims to suppress fusarium and gibberella ear rots (*Fusarium* spp., *Gibberella* spp.) and stalk rots (*Fusarium* spp., *Gibberella* spp., *Colletotrichum* spp.), to reduce mycotoxin levels in the grain and to control northern corn leaf blight (*Setosphaeria turcica*, anamorph: *Exserohilum turcicum*), eyespot (*Aureobasidium zeae* syn. *Kabatiella zeae*), grey leaf spot (*Cercospora zeae-maydis*) and corn rusts (*Puccinia sorghi*, *Puccinia polysora*) on corn (sweet corn, field corn, popcorn, corn grown for seed) using a tank mix to the label of USF0728 325 SC Fungicide. The proposed use directions specify application of 572 mL/ha of USF0728 325 SC Fungicide with 210 mL/ha of Proline 480 SC Foliar Fungicide once between corn silking to silk browning using ground or aerial equipment.

Chemistry, Health and Environmental Assessments

A chemistry assessment was not required since there was no change to product chemistry. Health and environment assessments were not required since the use pattern remained unchanged.

Value Assessment

The tank mix of USF0728 325 SC Fungicide and Proline 480 SC Foliar Fungicide is effective as it provides the same amount of prothioconazole at the same timing that is registered to suppress ear and stalk rots and control northern leaf blight, grey leaf spot, eye spot and corn rusts on corn on the Proline 480 SC Foliar Fungicide label. The results of field efficacy trials demonstrated

that the proposed tank mix reduced levels of the mycotoxin deoxynivalenol (DON) in corn grain similarly to the commercial standard. Compared to previously registered claims for corn on the USF0728 325 SC Fungicide label, the tank mix provides a broader disease management spectrum in addition to DON reduction on corn while reducing the total number of USF0728 325 SC Fungicide applications on corn per year.

Conclusion

The PMRA has conducted an assessment of the subject application and has determined that the submitted information is adequate to support claims to suppress fusarium and gibberella ear rots and stalk rots, to reduce mycotoxin levels in the grain and to control northern corn leaf blight, eyespot, grey leaf spot and corn rusts on corn (sweet corn, field corn, popcorn, including corn grown for seed) using a tank mix for USF0728 325 SC Fungicide.

References

PMRA #	Reference
3232754	2021, Justification of Tank Mixture Claim for Stratego Pro with Proline 480 SC Foliar Fungicide for Suppression of Fusarium and Gibberella Ear Rots in Corn., DACO: 10.1,10.2.2,10.2.3.1,10.2.3.3(D)
3265526	2021, Stratego Pro Fungicide (Sub. No. 2021-2129) and USF0728 325 SC Fungicide (Sub. No. 2021-2150): Response to PMRA Clarification Request dated August 12, 2021, DACO: 10.2.3,10.2.3.3(D),10.3.2,10.3.2(B)
3274737	2021, Stratego Pro Fungicide (Sub. No. 2021-2129) and USF0728 325 SC Fungicide (Sub. No. 2021-2150): Response to PMRA Clarification Request dated August 12, 2021, DACO: 10.2.3,10.2.3.3(D)

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