

Evaluation Report for Category B, Subcategory 3.10 Application

Application Number: 2022-1721
Application: Changes to Product Labels – Tank Mixes
Product: MasterLock
Registration Number: 34451
Active ingredient (a.i.): Surfactant Blend
PMRA Document Number: 3452401

Purpose of Application

The purpose of this application was to amend the product label of the surfactant MasterLock by adding several herbicides containing either clodinafop-propargyl or quizalofop P-ethyl and a fungicide containing prothioconazole as tank mix partners.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessments

No new residue data were submitted or were required to support the registration of MasterLock in tank mix with the following herbicide and fungicide products, which are already registered for use with surfactants: Cadillac 240 Unpacked (Reg. No. 34406), Nufarm Signal Herbicide (Reg. No. 30168), Marshall (Reg. No. 33681), Yuma GL Liquid EC Herbicide (Reg. No. 30100), Assure II Herbicide (Reg. No. 25462), Leopard (Reg. No. 33715), and Holdfast (Reg. No. 34013). Previously reviewed residue data were re-assessed in the framework of this application.

Based on this assessment, residues of clodinafop-propargyl, quizalofop P-ethyl, and prothioconazole are not expected to be greater than those for the currently registered uses and will be covered by the established maximum residue limits (MRLs) of each active ingredient present in the tank mix partners listed on the MasterLock label. Consequently, dietary exposure to clodinafop-propargyl, quizalofop P-ethyl, and prothioconazole are not expected to increase with the addition of the above listed pesticide products to the MasterLock label and will not pose health risks of concern to any segment of the population, including infants, children, adults, and seniors.

Toxicological and occupational exposure assessments were not required for this application.

Environmental Assessment

The addition of the tank mix options listed above to the MasterLock label is acceptable from an environmental perspective.

Value Assessment

The availability of MasterLock for application with Cadillac 240 Unpacked, Nufarm Signal Herbicide, Marshall, Yuma GL Liquid EC Herbicide, Leopard, Assure II Herbicide, and Holdfast provides users more flexibility to choose their preferable and available brand of surfactant to apply with these herbicide and fungicide products.

The value assessment was based on the registrations of the listed herbicide and fungicide products, the existing database for MasterLock, and data from replicated field research trials. The information collectively supports the inclusion of the above listed herbicide and fungicide products as tank mix partners on the MasterLock label when it is included in the spray mixture at 0.5% v/v.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found the information acceptable to support the amendment of the MasterLock product label.

References

PMRA Document Number	Reference
3345981	2022, Value Summary for Masterlock, DACO: 10.1
3345989	2022, Wheat-1_Masterlock_Crestivo_Fargo_ND_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3345990	2022, Wheat-2_Masterlock_Crestivo_American Falls_ID_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3345991	2022, Wheat-3_Masterlock_Crestivo_Rosemount_MN_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3345992	2022, Wheat-4_Masterlock_Crestivo_Saskatoon_SK_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3345993	2022, Wheat-5_Masterlock_Cadillac_Fargo_ND_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3345994	2022, Wheat-6_Masterlock_Cadillac_Rosemount_MN_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3345995	2022, Wheat-7_Masterlock_Cadillac_Rosemount_MN_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3345996	2022, Wheat-8_Masterlock_Cadillac_Saskatoon_SK_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3345997	2022, Wheat9_Masterlock_Cadillac_Saskatoon_SK_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3345998	2022, Wheat-10_Materlock_Miravis Ace_Fargo_ND_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3346000	2022, Barley-1_Masterlock_Crestivo_Berthold_ND_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3346001	2022, Barley-2_Masterlock_Crestivo_Saskatoon_SK_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3346002	2022, Pea-1_Masterlock_Antler_Saskatoon_SK_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3346003	2022, Pea-2_Masterlock_Antler_Berthold_ND_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3346004	2022, Canola-1_Masterlock_Antler_Rosemount_MN_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3346005	2022, Canola-2_Masterlock_Antler_Velva_ND_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3346006	2022, Canola-3_Masterlock_Antler_Rosemount_MN_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3346007	2022, Canola-4_Masterlock_Antler_Berthold_ND_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)
3346008	2022, Canola-5_Masterlock_Marshall_Rosemount_MN_2021, DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346009 2022, Canola-6_Masterlock_Marshall_Saskatoon_SK_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346010 2022, Canola-7_Masterlock_Marshall_American Falls_ID_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346011 2022, Canola-8_Masterlock_Marshall_Berthold_ND_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346012 2022, Canola-9_Masterlock_Marshall_Velva_ND_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346013 2022, Canola-10_Masterlock_Marshall_Saskatoon_SK_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346014 2022, Canola-11_Masterlock_Antler_Berthold_ND_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346018 2022, Soybean-1_Masterlock_Antler_River Falls_WI_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346019 2022, Soybean-2_Masterlock_Antler_St. Cloud_MN_2021
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346020 2022, Soybean-3_Masterlock_Antler_Brookings_SD_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346021 2022, Soybean-4_Masterlock_Antler_Exeter_ON_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346022 2022, Soybean-5_Masterlock_Antler_River Falls_WI_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346023 2022, Soybean-6_Masterlock_Antler_St. Cloud_MN_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346024 2022, Soybean-7_Masterlock_Antler_Brookings_SD_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346025 2022, Soybean-8_Masterlock_Antler_Exeter_ON_2021
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346026 2022, Soybean-9_Masterlock_Antler_River Falls_WI_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346027 2022, Soybean-10_Masterlock_Antler_St. Cloud_MN_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346028 2022, Soybean-11_Masterlock_Antler_Brookings_SD_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346029 2022, Soybean-12_Masterlock_Antler_Exeter_ON_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346030 2022, Soybean-13_Masterlock_Antler_River Falls_WI_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346031 2022, Soybean-14_Masterlock_Antler_St. Cloud_MN_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346032 2022, Soybean-15_Masterlock_Antler_Brookings_SD_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

3346033 2022, Soybean-16_Masterlock_Antler_Exeter_ON_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

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2022, Soybean-17_Masterlock_Craven_Velva_ND_2021,
DACO: 10.2.3,10.2.3.3(B),10.3.2(A)

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