

## Evaluation Report for Category B, Subcategory 3.10 Application

**Application Number:** 2021-3126  
**Application:** Changes to End-Use Product Label – Tank Mixes  
**Product:** ARROW All In  
**Registration Number:** 33225  
**Active ingredient (a.i.):** Clethodim  
**PMRA Document Number :** 3389013

### Purpose of Application

The purpose of this application was to amend the label of ARROW All In, to add a new tank mix partner and optional use of surfactants/adjuvants, as well as to make some label improvements.

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessments

No new residue data for clethodim were submitted to support the request to add a tank-mix partner, and an optional use for 30% phosphate ester surfactants, non-ionic surfactants and methylated seed oils on the ARROW All In label. Previously reviewed residue data on file were reassessed in the framework of this application.

Based on this assessment, residues are not expected to be greater than that for the currently registered uses and will be covered by the established MRLs. Consequently, dietary exposure to residues of clethodim is not expected to increase and will not pose health risks of concern to any segment of the population, including infants, children, adults and seniors.

Occupational exposure and toxicology assessments were not required for this application.

### Environmental Assessment

No additional environmental risk from the new tank-mix of ARROW All In combined with Phantom 240 SL, is expected. Risks to the environment are acceptable provided that the proposed combination is used according to the label directions.

### Value Assessment

Adding an optional use for 30% phosphate ester surfactants, non-ionic surfactants and methylated seed oils allows users of ARROW All In to have more consistent weed control under circumstances of heavy weed pressure or when environmental conditions (eg. drought) are not ideal for weed control.

Confirmatory trial data, together with existing PMRA guidance documents and a related herbicide registration, demonstrated that a generic reference for 30% phosphate ester surfactants, non-ionic surfactants and methylated seed oils can be supported for inclusion on the ARROW All In label.

## Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided, and has found it sufficient to support the amendments to the label of ARROW All In.

## References

<b>PMRA Document Number</b>	<b>References</b>
3249102	2020, PART 10 Value-Arrow All-In-13nov2020, DACO: 10.1,10.2.3.1,10.3.1.
3249104	2019, Clethodim Adjuvant Mixes in no crop, DACO: 10.2.3.4(B),10.3.2(A).
3249105	2019, Clethodim Adjuvant Mixes in Lentils, DACO: 10.2.3.4(B),10.3.2(A).
3249106	2019, Clethodim Adjuvant Mixes in Field Peas, DACO: 10.2.3.4(B),10.3.2(A).
3249107	2019, Clethodim Adjuvant Mixes in Soybeans, DACO: 10.2.3.4(B),10.3.2(A).
3249108	2019, Clethodim Adjuvant Mixes in Peas, DACO: 10.2.3.4(B),10.3.2(A).
3249109	2019, Clethodim and Imazamox 80 SL Mixes in Peas, DACO: 10.2.3.4(B),10.3.2(A).
3249110	2019, Clethodim Adjuvant Mixes in Soybeans, DACO: 10.2.3.4(B),10.3.2(A).
3249111	2020, CLETHODIM ADJUVANT MIXES IN LENTILS, DACO: 10.2.3.4(B),10.3.2(A).
3249112	2019, Clethodim Adjuvant Mixes in peas (broadleaf crop), DACO: 10.2.3.4(B),10.3.2(A).
3249113	2019, Clethodim Adjuvant Mixes in Soybeans, DACO: 10.2.3.4(B),10.3.2(A).

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