

## Evaluation Report for Category B, Subcategory 3.4 Application

**Application Number:** 2011-2177  
**Application:** Changes to Product Labels-Application Method  
**Product:** DuPont Escort Herbicide 60% Dry Flowable  
**Registration Number:** 23005  
**Active ingredients (a.i.):** Metsulfuron-methyl  
**PMRA Document Number:** **2251411**

### Purpose of Application

The purpose of this application was to amend the registration of Escort Herbicide 60% Dry Flowable (Registration Number 23005) to allow aerial application for the control of the labeled weeds in rangeland, pasture, rough turf around rangeland and pasture, and non-crop areas.

### Chemistry Assessment

No chemistry assessment was required for this application.

### Health Assessments

The application of DuPont Escort Herbicide 60% Dry Flowable by aerial application method is not expected to increase the magnitude of metsulfuron-methyl residues on treated rangeland and pastures. Consequently, the dietary exposure is not expected to increase and will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

A health risk assessment was conducted for handlers of DuPont Escort Herbicide 60% Dry Flowable, which identified no unacceptable risk for mixer/loaders and applicators. Exposure to re-entry workers and bystanders is not expected to increase over the current registered use pattern of metsulfuron-methyl. No unacceptable risk is expected when workers follow the label directions and wear the personal protective equipment identified on the label.

### Environmental Assessment

The use rates are consistent with the currently registered rates. However, aerial application causes greater drift and requires greater buffer zones to mitigate the risk. Data used for buffer zone calculations were obtained from *PRVD2008-08 Metsulfuron-methyl* and *RVD2008-35 Metsulfuron-methyl*.

## **Value Assessment**

Scientific rationales in lieu of field research data were submitted for review. Inclusion of aerial application for control of the labeled weeds in rough turf, rangeland and pasture, and non-crop areas on the DuPont Escort Herbicide 60% Dry Flowable label was supported for the following reasons.

- Aerial application is presently labeled for other sulfonylurea herbicides, e.g. Refine SG Herbicide (Registration Number 28285; 33.35% thifensulfuron-methyl and 16.65% tribenuron-methyl). Refine SG Herbicide is registered for control of broadleaf weed species with both ground and aerial application in small grain cereals and established grass species. The aerial application method proposed for DuPont Escort Herbicide 60% Dry Flowable is consistent with that labeled for Refine SG Herbicide.
- Aerial application is presently labeled for ClearView Herbicide (Registration Number 29752) that is a co-formulation of aminopyralid and metsulfuron-methyl. ClearView Herbicide targets many of the same weed species as does DuPont Escort Herbicide 60% Dry Flowable. Water volume for the aerial application for ClearView Herbicide is also the same as that is for Escort Herbicide.

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the available information in support of DuPont Escort Herbicide 60% Dry Flowable and has found the information sufficient to allow aerial application for the control of the labeled weeds in rangeland, pasture, rough turf around rangeland and pasture, and non-crop areas.

## References

<b>PMRA Number</b>	<b>Reference</b>
2056758	2011, Occupational handler risk assesment for aerial application: Metsulfuron-methyl 60 WG Herbicide, DACO: 5.3
2056759	2011, DACO 5.2 - Use site description, DACO: 5.2
2077771	DACO: Clarification_Email

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