

WHEAT (SPRING, WINTER AND DURUM), BARLEY AND OATS

General Information

GENERAL INFORMATION

DEPLOY 75 DF Herbicide is recommended for selective postemergence control or suppression of broadleaf weeds in wheat (spring, winter or durum), barley and oats not underseeded to legumes or grasses. DEPLOY 75 DF Herbicide is a 75% active ingredient herbicide formulated as a dry flowable dispersible granule. DEPLOY 75 DF Herbicide is to be mixed with water and a recommended surfactant and applied as a uniform broadcast spray. It is noncorrosive, nonflammable, nonvolatile and does not freeze.

DEPLOY 75 DF Herbicide **MUST** be applied with a recommended surfactant, early postemergence, to the main flush of actively growing broadleaf weeds. Recommended surfactants are AGRAL* 90, AG-SURF*, and CITOWETT* PLUS.

Warm, moist growing conditions promote active weed growth and enhance the activity of DEPLOY 75 DF Herbicide by allowing maximum foliar uptake and contact activity. Weeds hardened off by cold weather or drought stress may not be adequately controlled or suppressed and regrowth may occur. **APPLY DEPLOY 75 DF Herbicide WITH GROUND EQUIPMENT ONLY.** For best results, ensure thorough spray coverage of target weeds. See \"Postemergence Applications\" section of the label for complete use details.

DEPLOY 75 DF Herbicide stops growth of susceptible weeds rapidly. However, typical symptoms (discolouration) of dying weeds may not be noticeable for 1 to 3 weeks after application, depending upon growing conditions and weed susceptibility. Degree of control and duration of effect are dependent on weed sensitivity, weed size, crop competition, growing conditions at and following treatment, and spray coverage.

The following crops may be planted two months after an application of DEPLOY 75 DF Herbicide: canola, flax, lentils and alfalfa.

APPLICATION INSTRUCTIONS:

Apply the spray mixture uniformly with properly calibrated ground equipment only. Ensure thorough coverage and a uniform spray pattern. Flat fan nozzles are recommended (minimum 55 litres spray volume per hectare). Use 50 mesh filter screens or larger (metal or nylon). A spray pressure of 210 – 275 kPa is recommended. Continuous agitation is required to keep DEPLOY 75 DF Herbicide in suspension. Apply uniformly. Avoid overlapping and shut off spray boom while starting, turning, slowing or stopping to prevent crop injury from over application.

USE PRECAUTIONS:

RESISTANCE-MANAGEMENT RECOMMENDATIONS:

For resistance management, DEPLOY 75 DF Herbicide is a Group 2 herbicide. Any weed population may contain or develop plants naturally resistant to DEPLOY 75 DF Herbicide and other Group 2 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible rotate the used of DEPLOY 75 DF Herbicide or other Group 2 herbicides with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from different group when such use is permitted.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.
- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.

- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Arysta LifeScience North America LLC at 1-866-791-9397 for further information.
- Applications to wheat, barley or oats that are stressed by severe weather conditions, frost, low fertility, drought, water logged soil (soils at or near field capacity), disease or insect damage may result in crop injury. Drought, disease or insect damage following application may also result in crop injury.
- Do not apply to irrigated land where tail water will be used to irrigate cropland.
- Do not contaminate irrigation water.
- Do not apply to crops underseeded to legumes or grasses as injury to forage may result.
- Do not remove soil from treated fields for use on lawns, in gardens or for back fill.
- DEPLOY 75 DF Herbicide should be applied only with water as a carrier. Other carriers may accelerate breakdown of the product and reduce its effectiveness.
- Do not exceed a total of 20 g of DEPLOY 75 DF Herbicide per hectare per crop year.
- Do not plant to any crop until two months after application.
- Wheat, barley or oats may not be grazed by or fed to livestock within 7 days of application.
- Under certain conditions (such as heavy rainfall, prolonged cool weather, frost conditions, wide fluctuations in day/night temperatures) temporary lightening in crop colour and occasionally a slight reduction in crop height may occur.
- Do not use on highly variable soils that have large gravelly or sandy areas, eroded knolls, or calcium deposits.
- Limit use of DEPLOY 75 DF Herbicide to currently licensed varieties of wheat (spring, durum, winter), barley and oats. Consult Arysta LifeScience North America LLC prior to use on unlicensed varieties for crop tolerance information. DO NOT USE

ON LEGER BARLEY AND BELVEDERE WHEAT.

- Overspray or drift to important wildlife habitats such as shelterbelts, wetlands, sloughs or dry slough borders and woodlots should be avoided. Leave a 15-meter buffer zone between the last spray swath and the edge of any of these habitats.

Limitations, Restrictions, and Exceptions

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Apply 20 grams of DEPLOY 75 DF Herbicide per hectare with a surfactant which is recommended for use with DEPLOY 75 DF Herbicide at 2.0 litres per 1,000 litres of spray volume (see \"Mixing Instructions\" section of the label). Apply postemergence when the crop is in the two leaf to flag leaf (shot blade) stage of growth, (prior to head emergence) but before the crop canopy will prevent thorough coverage of target weeds. For best results apply to emerged, young, actively growing weeds that are less than 10 cm tall or across. Thorough coverage of target weeds is essential.

WEEDS SUPPRESSED: Canada thistle, Cleavers (1 to 3 whorls), Round-leaved mallow, Scentless chamomile, Sow thistle, Stork's-bill (2 to 6-leaf), Toadflax

Weed suppression is a visual reduction in weed competition (reduced population and/or vigour) as compared to an untreated check. Degree of suppression will vary with size of weed and environmental conditions prior to and following treatment.

Specific Weed Recommendations:

1. Canada thistle, Sow thistle: Apply DEPLOY 75 DF Herbicide plus recommended surfactant postemergence when the majority of the thistles have emerged and are actively growing. For best top growth control, apply when thistles are no larger than 15 cm tall, before bud stage, and before crop canopy prevents thorough coverage of thistles. A single application will effectively inhibit the ability of emerged thistles to compete with the crop. Later emerging thistles will not be controlled.

2. Chickweed: Apply DEPLOY 75 DF Herbicide plus recommended surfactant when the chickweed is small (1 to 6-leaf) and actively growing but before crop canopy prevents thorough coverage of weeds. Chickweed emerging after application will not be controlled

3. Wild buckwheat: Apply DEPLOY 75 DF Herbicide plus surfactant to actively growing wild buckwheat in the cotyledon 1 to 3 leaf stage. Under stress conditions such as dry weather control may be reduced. Large plants may regrow after treatment.

4. Round- leaved mallow: Apply DEPLOY 75 DF Herbicide plus a surfactant to actively growing round- leaved mallow in the 2 to 6-leaf stage (10 - 12 cm in height). DEPLOY 75 DF Herbicide will keep mallow stunted but may not reduce the overall populations.

5. Toadflax: Apply DEPLOY 75 DF Herbicide plus recommended surfactant when toadflax is no taller than 15 cm in height. A control program for this weed includes both frequent tillage and chemical application.

6. Volunteer rapeseed: DEPLOY 75 DF Herbicide alone will not control imazamox and imazethapyr tolerant canola, (e.g. Clearfield* canola)

NOTE:

Avoid making applications to weeds when rainfall is threatening. Rainfall within 4 hours will result in reduced weed control of DEPLOY 75 DF Herbicide.

Method

[Broadcast/Foliar Ground](#)

Rates

[field rates 0](#)

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Timings

[Postemergence \(Crop\)](#)

[Postemergence \(Weed\)](#)