CAUTION
KEEP OUT OF REACH OF CHILDREN
READ SAFETY DIRECTIONS BEFORE OPENING OR USING

ACTIVE CONSTITUENT:
50 g/L FLORASULAM
A suspension concentrate herbicide for post emergent control
of certain broadleaf weeds in barley and wheat.

GROUP B HERBICIDE

Nufarm
Grow a better tomorrow
DIRECTIONS FOR USE

RESTRAINTS
DO NOT apply to crops or weeds which may be stressed due to prolonged periods of extreme cold, sustained high temperature within 48 hours of application, moisture stress (water logging or drought), nutritional stress, root disease or previous herbicide treatment, as crop damage or reduced levels of control may result.

DO NOT apply if rain is likely to occur within 3 hours or if heavy rain or storms are forecast within 48 hours.

DO NOT irrigate to the point of run-off for at least 48 hours after application.

DO NOT apply later than the first node of the crop (Z31).

SPRAY DRIFT RESTRAINTS
Specific definitions for terms used in this section of the label can be found at www.apvma.gov.au/spraydrift

DO NOT allow bystanders to come into contact with the spray cloud.

DO NOT apply in a manner that may cause an unacceptable impact to native vegetation, agricultural crops, landscaped gardens and aquaculture production, or cause contamination of plant or livestock commodities, outside the application site from spray drift. The buffer zones in the relevant buffer zone tables below provide guidance but may not be sufficient in all situations. Wherever possible, correctly use application equipment designed to reduce spray drift and apply when the wind direction is away from these sensitive areas.

DO NOT apply if there are hazardous surface temperature inversion conditions present at the application site during the time of application. Surface temperature inversion conditions exist most evenings one to two hours before sunset and persist until one to two hours after sunrise.

DO NOT apply by a boom sprayer unless the following requirements are met:
- spray droplets are not smaller than a COARSE spray droplet size category
- minimum distances between the application site and downwind sensitive areas are observed. See “Mandatory Downwind Buffer Zones” section of the following table titled “Buffer Zones for Boom Sprayers” -

DO NOT apply by aircraft unless the following requirements are met:
- spray droplets are not smaller than a COARSE spray droplet size category
- for maximum release heights above the target canopy of 3 m or 25% of wingspan or 25% of rotor diameter whichever is the greatest, minimum distances between the application site and downwind sensitive areas are observed. See “Mandatory Downwind Buffer Zones” section of the following table titled “Buffer Zones for Aircraft” -

### BUFFER ZONES FOR BOOM SPRAYERS

<table>
<thead>
<tr>
<th>Application rate</th>
<th>Boom height above target canopy</th>
<th>Natural aquatic areas</th>
<th>Vegetation areas</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 mL/ha</td>
<td>0.5 m or lower</td>
<td>Not required</td>
<td>35 m</td>
</tr>
<tr>
<td></td>
<td>1.0 m or lower</td>
<td>20 m</td>
<td>100 m</td>
</tr>
<tr>
<td>100 mL/ha + 440 mL/ha Polo LVE 570 Herbicide</td>
<td>0.5 m or lower</td>
<td>25 m</td>
<td>40 m</td>
</tr>
<tr>
<td></td>
<td>1.0 m or lower</td>
<td>55 m</td>
<td>110 m</td>
</tr>
<tr>
<td>100 mL/ha + 500 mL/ha Nufarm Bromicide MA Herbicide</td>
<td>0.5 m or lower</td>
<td>25 m</td>
<td>35 m</td>
</tr>
<tr>
<td></td>
<td>1.0 m or lower</td>
<td>55 m</td>
<td>100 m</td>
</tr>
</tbody>
</table>

### BUFFER ZONES FOR AIRCRAFT

<table>
<thead>
<tr>
<th>Application rate</th>
<th>Type of aircraft</th>
<th>Natural aquatic areas</th>
<th>Vegetation areas</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 mL/ha</td>
<td>Fixed wing</td>
<td>75 m</td>
<td>375 m</td>
</tr>
<tr>
<td></td>
<td>Helicopter</td>
<td>60 m</td>
<td>220 m</td>
</tr>
<tr>
<td>100 mL/ha + 440 mL/ha Polo LVE 570 Herbicide</td>
<td>Fixed wing</td>
<td>200 m</td>
<td>425 m</td>
</tr>
<tr>
<td></td>
<td>Helicopter</td>
<td>140 m</td>
<td>240 m</td>
</tr>
<tr>
<td>100 mL/ha + 500 mL/ha Nufarm Bromicide MA Herbicide</td>
<td>Fixed wing</td>
<td>200 m</td>
<td>375 m</td>
</tr>
<tr>
<td></td>
<td>Helicopter</td>
<td>140 m</td>
<td>230 m</td>
</tr>
</tbody>
</table>
Apply to actively growing weeds. Best results are achieved when weeds are small (2 - 4 leaf).

**Always apply with Banjo® Spray Adjuvant at 1.0 L/100 L, whether Saracen® Herbicide is applied alone or in a tank mix with Polo 570 LVE or Bromicide MA.**

<table>
<thead>
<tr>
<th>CROP</th>
<th>WEEDS CONTROLLED</th>
<th>WEED GROWTH STAGE</th>
<th>RATE</th>
<th>CRITICAL COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barley, Wheat 3 leaf to first node (Z13-31)</td>
<td>Bedstraw (Galium tricornutum)</td>
<td>Up to 4 whorl and not more than 8 cm in height</td>
<td>100 mL/ha + Banjo® Spray Adjuvant at 1.0 L / 100 L of water</td>
<td>For improved early brownout, apply Saracen® Herbicide in a tank mix with Polo 570 LVE or 500 mL/ha Bromicide MA.</td>
</tr>
<tr>
<td></td>
<td>Bifora (Bifora testiculata)</td>
<td>Up to 4 leaf and not more than 5 cm in diameter</td>
<td></td>
<td>Control of Capeweed can be expected if actively growing weeds are treated in warm conditions. Conversely, control may be reduced in cold, wet conditions that slow plant growth. For improved final control, apply Saracen® Herbicide in a tank mix with 500 mL/ha Bromicide MA.</td>
</tr>
<tr>
<td></td>
<td>Capeweed (Arctotheca calendula)</td>
<td>Up to 6 leaf and not more than 8 cm in diameter</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Common Fumitory (Fumaria officinalis)</td>
<td>Up to 4 leaf and not more than 5 cm in height</td>
<td></td>
<td>For improved final brownout, apply Saracen® Herbicide in a tank mix with 440 mL/ha Polo 570 LVE</td>
</tr>
<tr>
<td></td>
<td>Dense-flowered Fumitory (Fumaria densiflora)</td>
<td>Up to 3 leaf and not more than 4 cm in height</td>
<td></td>
<td>For improved early brownout, apply Saracen® Herbicide in a tank mix with 500 mL/ha Bromicide MA.</td>
</tr>
<tr>
<td></td>
<td>Doublegee/Spiny Emex/Three Cornered Jack (Emex australis)</td>
<td>Up to 4 leaf and not more than 10 cm in diameter</td>
<td></td>
<td>For improved early brownout, apply Saracen® Herbicide in a tank mix with 440 mL/ha Polo 570 LVE or 500 mL/ha Bromicide MA.</td>
</tr>
<tr>
<td></td>
<td>Long Storksbill (Erodium botrys)</td>
<td>Up to 9 leaf</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Shepherd’s Purse (Capsella bursa-pastoris)</td>
<td>Up to 8 leaf and not more than 5 cm in diameter</td>
<td></td>
<td>For improved early brownout, apply Saracen® Herbicide in a tank mix with 440 mL/ha Polo 570 LVE or 500 mL/ha Bromicide MA.</td>
</tr>
<tr>
<td></td>
<td>Snail Medic (Medicago scutellata)</td>
<td>Up to 6 leaf and not more than 10 cm in diameter</td>
<td></td>
<td>For improved early brownout, apply Saracen® Herbicide in a tank mix with 440 mL/ha Polo 570 LVE or 500 mL/ha Bromicide MA.</td>
</tr>
<tr>
<td></td>
<td>Sowthistle/Milk Thistle (Sonchus oleraceus)</td>
<td>Up to 3 leaf and not more than 2 cm in diameter</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sub-clover (Trifolium subterraneum)</td>
<td>Up to 6 leaf and not more than 10 cm in diameter</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vetch/Tares (Vicia sativa)</td>
<td>Up to 5 node and not more than 10 cm in height</td>
<td></td>
<td>For improved early brownout, apply Saracen® Herbicide in a tank mix with 440 mL/ha Polo 570 LVE or 500 mL/ha Bromicide MA.</td>
</tr>
<tr>
<td></td>
<td>Volunteer Canola (Brassica napus)(non-imidazolinone herbicide tolerant varieties)</td>
<td>Up to 6 leaf</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Volunteer Chickpea (Cicer arietinum)</td>
<td>Up to 5 node</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Volunteer Faba Bean (Vicia faba)(non-imidazolinone herbicide tolerant varieties)</td>
<td>Up to 3 node</td>
<td></td>
<td>For improved early brownout, apply Saracen® Herbicide in a tank mix with 440 mL/ha Polo 570 LVE or 500 mL/ha Bromicide MA.</td>
</tr>
<tr>
<td></td>
<td>Volunteer Lupins (Lupinus angustifolius)</td>
<td>Up to 6 leaf and not more than 15 cm in height</td>
<td></td>
<td>For improved early brownout, apply Saracen® Herbicide in a tank mix with 440 mL/ha Polo 570 LVE</td>
</tr>
<tr>
<td></td>
<td>Indian Hedge Mustard (Sisymbrium orientale)</td>
<td>Up to 6 leaf</td>
<td>100 mL/ha + 440 mL/ha Polo 570 LVE or 500 mL/ha Bromicide MA</td>
<td>Always apply with Banjo® Spray Adjuvant at 1.0 L/100 L.</td>
</tr>
<tr>
<td></td>
<td>Wild Radish (Raphanus raphanistrum)</td>
<td>Up to 4 leaf and not more than 5 cm in diameter</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

**WITHHOLDING PERIODS**

**HARVEST: NOT REQUIRED WHEN USED AS DIRECTED**

When using Saracen® Herbicide in tank mix with another product, observe the Harvest Withholding Period of the other product.

**GRAZING: DO NOT CUT OR GRAZE FOR STOCKFOOD FOR 7 DAYS AFTER APPLICATION**

When using Saracen® Herbicide in tank mix with another product, observe which ever grazing Withholding Period is longer.

**TRADE ADVICE**

**FOOD INTENDED FOR EXPORT:** When Saracen® is used as directed residues in fodder are not expected. However, as export requirements are subject to change, consult your exporter before using this product on crops destined to be used for export fodder.

**LIVESTOCK DESTINED FOR EXPORT MARKETS:** When Saracen® is used as directed and the above withholding period is observed, livestock commodities are considered acceptable for export. However, as export requirements are subject to change, consult your exporter for updated information about specific market requirements.
GENERAL INSTRUCTIONS

Saracen® Herbicide is a suspension concentrate formulation that mixes readily with water. Saracen® is a foliar herbicide for post-emergence use in wheat and barley. It will not reliably control weeds that emerge after treatment. Best results are achieved under good growing conditions. Treatment of crop or weeds that are stressed must be avoided. While grain yields are unaffected, slight, transient yellowing and growth retardation may occur in some conditions. Crop recovery is usually rapid, but may be slower if crops are stressed due to prolonged periods of extreme cold, moisture stress, nutritional stress or root disease. Saracen® Herbicide can be tank mixed with compatible broad-leaf herbicides to extend the weed spectrum as per the labels of those products.

MIXING

Add the required amount of Saracen® Herbicide to the spray tank when partly filled with water and begin agitation. Ensure agitation is maintained while topping up the tank and during application. Add Banjo Spray Adjuvant at 1.0 L/100 L after Saracen® is well mixed in the spray solution and near the end of the filling process to minimize foaming. Only mix sufficient chemical for each day’s work. Tank mixtures: wettable powder or dry flowable formulations should be added to the spray tank first, followed by suspension concentrates (Saracen®), aqueous concentrates and then emulsifiable concentrate formulations (eg: Bromicide® MA, Polo® 570 LVE). **DO NOT** allow prepared mixture to stand overnight.

BOOM SPRAYER APPLICATION

Apply Saracen® Herbicide in sufficient water to obtain good coverage. Apply by an accurately calibrated ground rig using a water volume of 80 - 100 L/ha. Sprayers should aim to apply a coarse quality spray in accordance with ASABE standard S-572.

AERIAL APPLICATION

Apply a minimum water volume of 40 L/ha. Markers should always move upwind before aircraft passes overhead. Application by micronair equipment may give variable results.

COMPATIBILITY

Saracen® Herbicide is compatible with Amicide Advance® 700, Bromicide® 200, Bromicide® MA, chlorpyrifos, Estericide® Xtra 680, Frequency®, Kais® 240EG, Opus® 125, Pirimor® WG, Polo® LVE 570, Prosaro® 420 SC, Talinor®, Tazer Xpert®, Throttle® 500, Trojan® and Velocity®.

**Notes:** all mix partners must be able to be used with a crop oil. Saracen® Herbicide has not been tested in all tank mix combinations over all cereal varieties. All mixtures should be tested prior to mixing commercial quantities.

Adjuvants: always use Banjo® Spray Adjuvant (1 L/100 L).

SPRAY APPLICATIONS AND DRIFT RISK ASSESSMENT

**Checklist:**

- Have you cleaned/decontaminated your boom sprayer?
- Have you contacted your neighbour prior to spraying?
- Is your sprayer set-up correctly for the particular application?
- Check - boom calibration
  - at nozzle - nozzle choice
  - low drift/what spray quality
  - coarse or larger spray quality?
  - boom height - speed of intended application
  - water volume
- You must check, determine and record the weather conditions immediately prior to, and immediately after the spray application is made.
  - Record - temperatures
  - relative Humidity
  - delta T
  - wind speed
  - Is there a temperature inversion?
- Night Spraying - extra care is required to ensure that inversion conditions are not present. Use smoke generator to determine wind direction and presence of inversion conditions.

For further information refer to nufarm.com.au/spraywise

spraywisedecisions.com.au is an online weather forecasting program and is recommended for use when planning your pesticide application

CLEANING SPRAY EQUIPMENT

After using Saracen® Herbicide, empty the tank completely and drain the whole system. Thoroughly wash inside the tank using a pressure hose. Drain the tank and wash tank, pump, line and nozzle filters.

**Partial cleaning** (rinse only - before using rig to spray barley and wheat): after cleaning the tank as above, quarter fill the tank with clean water and circulate through the pump, line, hoses and nozzles. Drain and repeat procedure twice.

**Complete cleaning** (decontamination - before using rig to spray crops that are susceptible to Saracen®): after cleaning the tank as above, quarter fill the tank with clean water and add a liquid alkali detergent at 500 mL/100 L water or tank cleaner (eg Nufarm Tank and Equipment Cleaner) at recommended rates and circulate throughout the system for at least 15 minutes. Drain the whole system. Then remove filters and nozzles and clean separately. Finally, rinse inside the tank thoroughly using a pressure hose and flush system with clean water and allow to drain.

**Note:** if using a concentrated laundry detergent use 250 g (or mL)/100 L. **DO NOT** use chlorine based cleaners.

Rinse water should be discharged into a designated disposal area or, if this is unavailable, onto unused land away from desirable plants and their roots and watercourses.
RESISTANT WEEDS WARNING

Saracen® Herbicide is a member of the triazolopyrimidine sulfonanilide group of herbicides. Saracen® has the acetolactate synthase (ALS) inhibitor modes-of-action. For herbicide resistance management, Saracen® is a Group B herbicide. Some naturally occurring weed biotypes resistant to the product and other Group B herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds will not be controlled by this product or other Group B herbicides. Since the occurrence of resistant weeds is difficult to detect prior to use, Nufarm accepts no liability for any losses that may result from the failure of the product to control resistant weeds. Strategies to minimise the risk of herbicide resistance are available. Consult your farm chemical supplier, consultant, local Department of Agriculture or Primary Industries, or local Nufarm representative.

PRECAUTIONS

RE-ENTRY: DO NOT allow entry into treated areas until the spray has dried unless wearing cotton overalls buttoned to the neck and wrist (or equivalent clothing) and chemical resistant gloves. Clothing must be laundered after each day’s use.

ROTATIONAL CROPS: Susceptible winter crops may be sown the year following application. Susceptible winter crops include canola, chickpeas, faba beans, field peas, lentils, lupins, vetch and pastures with a clover, lucerne or medic component.

PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Toxic to aquatic life. DO NOT contaminate wetlands or watercourses with this product or used containers.

STORAGE AND DISPOSAL

Store in the closed, original container in a cool, well-ventilated area. DO NOT store for prolonged periods in direct sunlight. Triple-rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose, clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product.

SMALL SPILL MANAGEMENT

Wear appropriate clothing whilst cleaning up small spills, (see SAFETY DIRECTIONS). Apply absorbent material such as earth, sand or clay granules to the spill. Sweep up material for disposal when absorption is complete. Dispose of the contaminated material in accordance with State and/or local regulations.

SAFETY DIRECTIONS

May irritate the eyes and skin. Avoid contact with eyes and skin. When using together with other products, consult their label safety directions. When opening the container, preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length chemical resistant gloves and goggles. Wash hands after use. After each day’s use, wash contaminated clothing, gloves and goggles.

FIRST AID

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26, New Zealand 0800 764 766.

ADDITIONAL STATEMENTS (WHS REGULATIONS 2011)

DO NOT eat, drink or smoke when using this product. Wear protective gloves, clothing, eye and face protection. Wash hands and exposed skin thoroughly after handling. IF SWALLOWED call the Poison Centre of a doctor if you feel unwell.

SAFETY DATA SHEET

For further information refer to the Safety Data Sheet (SDS) which can be obtained from your supplier or from the Nufarm website – nufarm.com.au. In case of emergency: Phone 1800 033 498. Ask for shift supervisor. Toll free 24 hours.

CONDITIONS OF SALE

*Any provisions or rights under the Competition and Consumer Act 2010 or relevant state legislation which cannot be excluded by those statutes or by law are not intended to be excluded by these conditions of sale. Subject to the foregoing, all warranties, conditions, rights and remedies, expressed or implied under common law, statute or otherwise, in relation to the sale, supply, use or application of this product, are excluded. Nufarm Australia Limited and/or its affiliates ("Nufarm") shall not accept any liability whatsoever (including consequential loss), or howsoever arising (including negligence) for any damage, injury or death connected with the sale, supply, use or application of this product except for liability which cannot be excluded by statute.*

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APVMA approval no. 89267/124196

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