



SEMPRA[®]

XL

HERBICIDE

MAPP 17447

A residual pre- and post-emergence herbicide effective against a range of weeds in wheat, barley, rye, durum wheat and triticale.

Contains 500 g/L (42 % w/w) diflufenican as a suspension concentrate.



Warning

Very toxic to aquatic life with long lasting effects

Keep out of reach of children.

Dispose of contents/ container to a licensed hazardous-waste disposal contractor or collection site except for empty, clean containers which can be disposed of as non-hazardous waste.

Contains 1,2-benzisothiazol-3(2H)-one.

May produce an allergic skin reaction.

To avoid risks to human health and the environment comply with the instructions for use.

IMPORTANT INFORMATION

FOR PROFESSIONAL USE AS AN AGRICULTURAL/
HORTICULTURAL HERBICIDE

Crops/ situations	Maximum individual dose (L product/ ha)	Maximum total dose (L product/ ha/crop)	Latest time of application	Aquatic buffer zone (m)
Wheat and barley	0.25	0.25	Before end of February in year of harvest	6
OR				
Wheat and barley	0.2	0.2	Before 2 nd node detectable stage (BBCH GS 32)	6
Durum wheat	0.25	0.25	Before end of February in year of harvest	6
Rye and triticale	0.2	0.2	Before 3 leaves unfolded (BBCH GS13)	6

Other specific restrictions

1. This product must not be applied by hand-held equipment.
2. Buffer zones greater than 5m are NOT eligible for buffer zone reduction under the LERAP scheme.
3. Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on HSE Chemicals Regulation Directorate's website. These operating conditions must be maintained until 30m from the top of the bank of any surface water bodies.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

SAFETY PRECAUTIONS

Operator protection

DO NOT BREATHE SPRAY.

WASH CONCENTRATE FROM skin or eyes immediately.

AVOID ALL CONTACT BY MOUTH.

WASH HANDS AND EXPOSED SKIN, before eating, drinking or smoking and after work.

Environmental protection

Do not contaminate water with the product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

To protect aquatic organisms, respect an unsprayed buffer zone to surface water bodies as specified for the crop. HORIZONTAL BOOM SPRAYERS MUST BE FITTED WITH THREE STAR DRIFT REDUCTION TECHNOLOGY.

Low drift spraying equipment must be operated according to the specific conditions stated in the official three star rating for that equipment as published on HSE Chemicals Regulation Directorate's website. Maintain three star operating conditions until 30m from the top of the bank of any surface water bodies.

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DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within the distance specified for the crop to the top of the bank of a static or flowing water body, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water. NOTE: BUFFER ZONES OF MORE THAN 5 M CANNOT BE REDUCED UNDER THE LOCAL ENVIRONMENT RISK ASSESSMENT FOR PESTICIDES (LERAP) SCHEME.

The statutory buffer zone must be maintained and the distance recorded in Section A of the LERAP record form. The LERAP record form must be kept available for three years.

Storage and disposal

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add the washings to the sprayer tank at the time of filling and dispose of container safely.

DO NOT RE-USE CONTAINER for any purpose.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

SEMPRA XL is a selective herbicide for use pre- or post-emergence up to BBCH 31 in winter wheat, winter barley and spring barley; pre-emergence up to before 3 leaves unfolded in rye and triticale;

early post-emergence in durum wheat and post-emergence on spring wheat up to BBCH 31.

Restrictions

Do not use on crops which are suffering from stress at the time of application, such as nutrient deficiency or pest attack.

Do not use on crops if adverse weather is expected, including frost or extended periods of cold weather, drought or if heavy rain is expected within 4 hours of application.

Do not apply to crops growing in poor conditions or where soils have greater than 10% organic matter content.

Do not use on dry, cracked or waterlogged soils.

Do not use on crops grown on sands (Soil Texture [85] System), of those grown on very stony or gravelly soils.

If damage is seen in the crop, such as bleaching, this is usually transient and outgrown without affecting yield.

Do not overlap spray swaths.

Ensure any trash or straw is dispersed or buried before drilling. Soils should have a fine seedbed with no clods which are larger than fist size.

Drill crop to a normal depth of 25mm and ensure that the seed is well covered before applying SEMPRA XL.

Do not use as a pre-emergence treatment on broadcast crops, or direct-drill autumn sown broad-leaved crops if a pre-emergence application has been made in the previous crop.

Do not use on crops that are undersown or those due to be undersown.

Do not roll autumn crops treated with SEMPRA XL until the spring, and do not harrow at any time following application.

Please refer to 'Following crops' section for further advice on succeeding crops and precautions where diflufenican containing products are used in successive cereal crops.

Avoid spray drift onto neighbouring crops.

Weed Control and Crop Specific Information

Apply SEMPRA XL pre-emergence of the weeds. Weed control will be best achieved if soils are moist at the time of application and weeds are actively growing.

Weed	Pre-emergence	Up to 2 leaves
Charlock	✓	-
Common chickweed	✓	✓
Common field speedwell	✓	✓
Common poppy	✓	-
Corn spurrey	✓	-
Field forget-me-not	✓	-
Field mouse-ear	✓	-
Field pansy	✓	-
Flixweed	✓	-
Henbit dead-nettle	✓	✓
Ivy-leaved speedwell	✓	-
Parsley piert	✓	-

Weed	Pre-emergence	Up to 2 leaves
Red dead-nettle	✓	-
Shepherd's-purse	✓	✓
Treacle mustard	✓	-
Volunteer oilseed rape	✓	✓
Wild radish (runch)	✓	-

Effectiveness using three star drift reduction technology may be reduced.

CROP SPECIFIC INFORMATION

SEMPRA XL can be used on wheat, barley, rye, triticale, durum wheat as follows:

Crop/ situation	Timing	Rate of use (L product/ha)	Recommendations
Winter wheat (excluding durum wheat), winter barley and spring barley	Pre-or post- emergence	0.25	Up to the end of February in the year of harvest
	OR	OR	OR
	Pre-or post- emergence	0.2	Before 2 nd node detectable stage (BBCH GS 32)
Durum wheat	Early post- emergence	0.25	Apply after crop emergence but before the end of February in the year of harvest
Spring wheat	Post-emergence	0.25	Up to the end of February in the year of harvest
	OR	OR	OR
	Post-emergence	0.2	Before 2 nd node detectable stage (BBCH GS 32)
Rye and triticale	Pre- early post-emergence	0.2	Apply before crop emerges up until before 3 leaves unfolded (BBCH GS 13)

Water Volume

Apply as a MEDIUM spray (BCPC category) in 200-250L water/ha. Qualified recommendation: lower water volumes of 100 L/ha may also be used, however, these have not been supported by effectiveness or crop safety data.

Succeeding crops

Before drilling or planting any following crop it is important to ensure the soil is thoroughly mixed by ploughing to a depth of 15cm first.

Normal harvest: following a normal harvest, only drill winter cereals, oilseed rape, leafy brassicas, field beans, sugar beet seed crops and winter onion in the autumn. In the spring only drill spring crops of wheat, barley, oilseed rape, field beans, peas, sugar beet, potatoes, carrots, edible brassicas or onions.

Crop failure: if the crop fails for any reason in the autumn or winter, only drill winter wheat (excluding durum wheat) and winter barley in the same autumn. Ensure soil is ploughed to a depth of 15cm.

In the spring, following crop failure, plough to a depth of 15cm then DO NOT drill until a 12 week period has passed with the following crops: spring crops of wheat, barley, oilseed rape, field beans, peas, sugar beet, potatoes, carrots, edible brassicas or onions.

Brassicas may show discolouration of the cotyledon, however, this is usually transient, outgrown and has no effect on yield.

Where SEMPRA XL or other products containing diflufenican are applied to successive cereal crops, levels of diflufenican will build up in the soil. Even with ploughing and thoroughly mixing up the soil to a depth of 15cm there may still be a risk of damage to following crops of onions, leeks and related species, or clover. As a precaution, users who rent out their land to growers of these crops should not use DIFLUFENICAN-containing products in successive years before renting out the land.

MIXING AND SPRAYING

Before spraying it is important to check all hoses, filters and nozzles, and to ensure that the sprayer is clean and correctly set to give an even application at the correct volume. Half fill the spray tank with clean water and add the required quantity of SEMPRA XL. Top up the sprayer tank with water to the required level, and agitate the mixture thoroughly before and during spraying.

Do not leave spray mixture to stand in the tank. Maintain agitation at all times.

Wash sprayer thoroughly immediately after use, using a suitable tank cleaner and following the sprayer cleaning guidance provided by the equipment manufacturer.

Avoid spray drift onto neighbouring crops.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during and after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded, and no responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. Our staff or agents cannot vary these conditions whether or not they supervise or assist in the use of such goods. SEMPRA is a registered trademark of Agrichem B.V.. Other brand names used in this guide are trademarks of other manufacturers for which propriety rights may exist.

To access the Safety Data Sheet for SEMPRA XL
please use the link below or scan the code.



<http://www.upleurope.com/product-list.html>

Alternatively, contact your local supplier.

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**PROTECT FROM FROST
SHAKE THOROUGHLY BEFORE OPENING**

BATCH NO:

UPL Europe Ltd. The Centre, Birchwood Park, Warrington, WA3 6YN
Telephone: 01925 819999 **Fax:** 01925 817425

For 24 hour emergency information contact: CARECHEM24 : +44 (0) 1235 239670

**The (COSHH) Control of Substances Hazardous to Health Regulations
may apply to the use of this product at work.**