

santro

An emulsifiable concentrate containing 144 g/litre (13.85% w/w) fluroxypyr-meptyl (100 g/litre acid equivalent), 80 g/litre (7.69% w/w) clopyralid and 2.5 g/litre (0.24% w/w) florasulam. Contains Hydrocarbons, C10-C13, aromatics, < 1% naphthalene.

A post-emergence herbicide for use on GRASSLAND (established and newly sown leys) and GRASS FOR SEED for the control of broad-leaved weeds.

3 L

**FOR USE ONLY AS AN AGRICULTURAL HERBICIDE
THIS PRODUCT IS FOR PROFESSIONAL USE ONLY**

SAFETY INFORMATION



DANGER

May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

Harmful if inhaled.

Very toxic to aquatic life with long lasting effects.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

IF ON SKIN: Wash with soap and water.

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Collect spillage.

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

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

PCS No: 06684

Precautions

If exposed or if you feel unwell seek medical advice immediately (show the label where possible).

No specific antidote is available. Treat symptomatically.

In case of accident, call the 24-hour National Poisons Information Centre:

Tel.: +353 (0)1 809 2566 or +353 (0) 1 837 9964.

Batch no.: See container

Registration holder:

Sharda Cropchem España S.L. Edificio Atalayas Business Center, Carril Condovina nº 3, 12th Floor, 30006. Murcia, Spain

Phone no.: +34 868 12 75 89

Distributed by: Sharda Cropchem España S.L.

Emergency no.: In the event of emergency, call the National Poisons Information Centre, Beaumont Hospital at 01 809 2166 or 01 837 9964

Marketing Holder:

D.H.M. AGROCHEMICALS LTD
CASTLE LODGE, KILGOBBIN ROAD,
DUBLIN 18, IRELAND

Operator protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

Operators must WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

Operators must wear suitable protective gloves when handling contaminated surfaces.

DO NOT BREATHE SPRAY.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

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

IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

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.

Extreme care must be taken to avoid spray drift onto non-crop plants outside of the target area.

To protect aquatic organisms respect an unsprayed buffer zone of 5 m to surface water bodies.

Storage and disposal

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

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

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

Triple rinse containers, puncture and invert to dry at time of use.

PROFESSIONAL USE ONLY.

IMPORTANT INFORMATION

IMPORTANT INFORMATION FOR USE ONLY AS AN AGRICULTURAL HERBICIDE			
Crops	Maximum Individual Dose	Maximum number of applications	Least Time of Application
Grassland (established)*	2.0 litres product/ha	1 per year	7 days before harvest
Grassland (Newly sown)*	1.0 litres product/ha	1 per year	7 days before harvest
Grassland (seed)**	1.0 litres product/ha	1 per year	7 days before harvest

Other specific restrictions

* Apply between beginning of February and the end of September

** Apply between beginning of February and the end of August

For autumn planted crops a maximum total dose of 3.75 g of florasulam must be observed for applications made between crop emergence in the year of planting and February 1st in the year of harvest.

The total amount of florasulam applied to a cereal crop must not exceed 7.5 g.

Application to any crop must not be made before 1st February.

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.

**SHAKE WELL BEFORE USE.
PROTECT FROM FROST.**

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.

GENERAL INFORMATION

SANTRO herbicide has activity against a range of broad-leaved weeds. The ideal timing for application is when the weeds are small and actively growing. Broad-leaved weeds not present at application will not be controlled.

Do not spray when grass is wet.

Do not use any plant material treated with SANTRO for composting or mulching. Do not apply if night temperatures are low, if ground frost is imminent, or in periods of prolonged cold or dry weather. Ensure weeds are actively growing as after periods of prolonged drought, weeds can take a long time to start actively growing again after soil moisture returns.

Do not apply to crops under stress; stress can be caused by many factors including ground drought, waterlogging, trace element deficiency, disease and pest attack etc. Take extreme care to avoid drift onto crops and non-target plants, e.g. trees, shrubs, hedging, outside the target area.

Do not apply directly to, or allow spray drift to come into contact with agricultural or horticultural crops, amenity plantings or gardens, ponds, lakes or water courses. Wash out spray equipment thoroughly (see tank cleaning instructions). Traces of SANTRO could cause harm to susceptible crops sprayed later.

GRASSLAND USE NOTE

Grass and weeds must be actively growing to ensure good weed control and minimal check in the grass.

Do not roll or harrow grass for 10 days before or 7 days after application.

To allow maximum translocation do not cut grass for 4 weeks after application.

Do not spray in drought, very hot or very cold weather.

Never kill or severely check by SANTRO.

Do not spray grassland where clover or other legumes are a valuable constituent of the sward.

Do not use manure from animals fed on crops treated with SANTRO for composting.

Grazing Interval

Ragwort plants sprayed with this herbicide are more palatable and contain higher levels of toxins. Animals should be excluded from treated areas until any ragwort has completely recovered or died and there is no visible sign of the dead weed. Do not include treated ragwort in hay or silage crops. Livestock must be kept out of treated areas for at least 7 days following treatment.

SANTRO herbicide has activity against a range of broad-leaved weeds. The ideal timing for application is when the weeds are small and actively growing. The effectiveness of SANTRO may be reduced when soils are very dry.

Avoid overlapping spray bouts.

Do not use any plant material treated with SANTRO for composting or mulching.

Do not use manure from animals fed on crops treated with SANTRO for composting.

Do not spray when crops are under stress from cold, drought, pest damage, nutrient deficiency etc.

Do not roll or harrow 7 days before or after application.

Take extreme care to avoid drift onto crops and non-target plants outside the target area.

FOLLOWING CROPS

SANTRO residues in plant tissues (including manure and digestate) which have not completely decayed may affect succeeding susceptible crops. If treated crop remains have not fully decayed by the time of planting following crops then avoid planting: peas, beans and other legumes; carrots and other umbellifers; potatoes; lettuce and other compositae; glasshouse and protected crops.

At least 125 days must elapse before planting any of the crops listed below whether after normal harvest or after crop failure.

Crops that can be sown in the same year as a crop treated with SANTRO is harvested: Cereals, oilseed rape, grass and vegetable brassicas as transplants.

Vigour reductions may be seen in following crops of oilseed rape after a dry summer. This will be outgrown and will not result in yield loss.

Crops that can be sown in the calendar year following treatment with SANTRO: Cereals, oilseed rape, field beans, grass, linseed, peas, sugar beet, potatoes, maize, clover (for use in grass/clover mixtures), carrots and vegetable brassicas as transplants.

CROP FAILURE

In the event of a crop failure in the spring with SANTRO only the following crops may be planted: spring wheat, spring barley, spring oats, maize or ryegrass.

RESISTANCE

SANTRO contains three different active substances (fluroxypyr, florasulam and clopyralid) and therefore the risk of resistance building is reduced. Fluroxypyr and clopyralid are pyridine carboxylic acids (Group O, HRAC classification) and florasulam belongs to the triazolopyrimidine (Group B, HRAC classification). There is no identified resistance to fluroxypyr and clopyralid but populations of Stellaria media, Papaver rhoeas and Matricaria spp. have been found to be resistant to Group B herbicide.

As florasulam is an ALS inhibitor there is a risk of resistance building to this active ingredient and so precautions should be taken to minimise the risk. Therefore avoid using single mode of action herbicides, such as ALS herbicides in the same field over a number of years. Growers are advised to apply products containing herbicides with different modes of action or use sequences or tank mixtures where two or more components are active against the target weeds.

ESTABLISHED GRASSLAND, NEW SOWN LEYS, and GRASS FOR SEED

SANTRO can be applied to established grassland, new sown leys, and grass for seed.

Established grassland

SANTRO may be applied to established grassland at a maximum dose of 2.0 L/ha from 1st February to 30th September.

Application timing is crucial for good control. Applications must be made to weeds that are actively growing before and immediately after application. If the grass (and hence the weeds) has been cut or grazed, leave for 2 to 3 weeks to allow sufficient re-growth to occur before spraying. It is important that there is sufficient leaf area for the uptake of the herbicide.

Apply SANTRO in 200 – 400 litres of water per hectare. Use the higher water volume where weeds are large at the time of application and where the grass is dense.

Do not spray grassland where clover or other legumes are a valuable constituent of the sward.

WEED	SIZE CONTROLLED	DOSE RATE (L/HA)
Common Daisy	Rosette	1.5
Dandelion	Rosette	1.5
Creeping Butter cup	Rosette	2.0
Great plantain	Rosette	2.0
Ribwort plantain	Rosette	2.0

New Sown leys and grass for seed

SANTRO may be applied to grass seed crops at 1.0 l/ha from the 3 true leaf stage of the crop. Applications must be made between 1st February and 30th September. SANTRO may be applied at 1.0 litres/ha to grass less than one year old between 1st February and 31st August. Ensure grass has become established before spraying. Grass sown in the spring or summer may be ready for spraying after about 2 months, but grass sown in late summer or autumn should not be sprayed until growth is resumed in the following spring, perhaps eight months after sowing. Apply SANTRO in 200 – 400 litres of water per hectare.

WEED	MAXIMUM WEED SIZE CONTROLLED
Cleavers	1 true leaf
Creeping thistle (from Seed)	1 true leaf (Moderately Susceptible)
Scorched Mayweed	1 true leaf
Centless Mayweed	1 true leaf
Volunteer Oilseed rape	1 true leaf
Wild radish (Runch)	1 true leaf
*Cleavers which germinate after application will not be controlled	



Sharda Cropchem

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