

NICO PRO[®] 4SC

Herbicide for the control of annual grass and broad-leaved weeds in maize.

An oil dispersion formulation containing 40 g/L (4.17% w/w) nicosulfuron

MAPP No.: 16424

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

For Professional Use Only

GROUP	B	HERBICIDE
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24-hour emergency number: 0032 14 58 45 45
Technical enquiries: 01480 403333

BELCHIM
CROP PROTECTION

Marketing company: **Belchim Crop Protection Limited**

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Net contents:

5 Le



LERAP
B



This label is compliant with the CPA Voluntary Initiative guidance

Production date / Batch number: see packaging

PROTECT FROM FROST



Approval holder:

ISK

ISK BIOSCIENCES Europe N.V.

Pegasus Park,
De Kleetlaan 12B, Box 9
B-1831 Diegem, Belgium
Tel: 0032 (0)2 627 86 11

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This booklet is part of the approved Product Label

SAFETY PRECAUTIONS

a) 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) and SUITABLE PROTECTIVE GLOVES when handling the concentrate.
- * Operators must WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

However engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

- * WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.
- * AVOID ALL CONTACT WITH SKIN.
- * WASH HANDS AND EXPOSED SKIN before meals and after work.

b) Environmental protection

- * To protect aquatic organisms respect an unsprayed buffer zone distance to surface water bodies in line with LERAP requirements.
- * DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing waterbody, unless a Local Environmental Risk Assessment for Pesticide (LERAP) permits a narrower buffer zone, or within 1m of the top of a ditch which is dry at the time of application.
- * DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1m of the top of the bank of a static or flowing waterbody. Aim spray away from water.
- * This product qualifies for inclusion within the Local Environmental Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD's published guidance or the statutory buffer zone must be observed. The results of the LERAP must be recorded and kept available for inspection for three years.
- * 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.

c) Storage and disposal

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

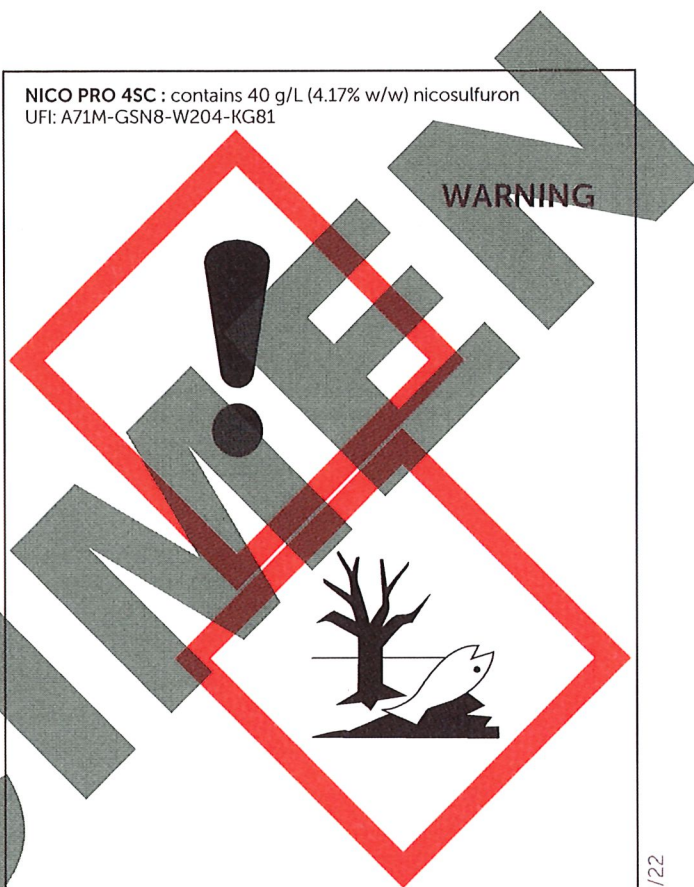


To access the Safety Data Sheet for this product scan the QR code or use the WEblink to specific data sheet on manufacturer's website:

http://www.belchim.co.uk/pdf/MSDS/NicoPro4SC_MSDS.pdf

Alternatively, contact your supplier.

NICO PRO 4SC : contains 40 g/L (4.17% w/w) nicosulfuron
UFI: A71M-GSN8-W204-KG81



WARNING

H315 Causes skin irritation
H410 Very toxic to aquatic life with long lasting effects.

P264 Wash hands thoroughly after handling
P273 Avoid release to the environment.
P280 Wear protective gloves

P302+P352 IF ON SKIN: Wash with plenty of soap and water
P321 Specific treatment (see information on this label)
P332+P313 If skin irritation occurs: Get medical advice/attention

P501 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.

EUH210 Safety data sheet available on request
EUH401 To avoid risks to human health and the environment, comply with the instructions for use

IMPORTANT INFORMATION: FOR USE ONLY AS AN AGRICULTURAL/ HORTICULTURAL HERBICIDE

Crop	Max. individual dose (L product/ha)	Maximum number of treatments (per crop)	Latest time of application
Forage maize	1.0 L/ha	1 per crop	Up to and including 8 true leaf stage

Other specific restrictions:

- This product qualifies for inclusion within the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each spraying operation from a horizontal boom sprayer, either a LERAP must be carried out in accordance with the 'Local Environment Risk Assessment for Pesticides Horizontal Boom Sprayers' booklet available from the HSE Chemicals Regulation Division website or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.
- To avoid the build up of resistance do not apply this or any other product containing an ALS inhibitor herbicide with claims for control of grass-weeds more than once to any crop.

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.

DIRECTIONS FOR USE

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

RESTRICTIONS

- Do not treat with NICO PRO 4SC once a soil insecticide based on an organophosphate like phorate has been applied.
- Do not mix with foliar or liquid fertilisers.
- NICO PRO 4SC can be used post-emergence at the recommended rate to directly target specific weed species. Choose the correct dose for the weeds present. As part of a weed resistance management plan NICO PRO 4SC must be used in sequence with herbicides with other modes of action that are active against the same weeds, particularly in continuous maize.
- How to best use this product, your local technical representative should be contacted.
- Under certain conditions, some transient yellowing and/or crop stunting and/or loss of vigour can be seen from 1 to 2 weeks after treatment (2 - 8 leaves of maize). This is quickly outgrown and no yield effect has been shown.
- Some flower deformation may be seen on particularly sensitive varieties e.g. Rival.
- Applications should not be made to maize crops that are under stress, as this may lead to incidences of more persistent crop damage, such as loss of vigour, particularly when poorer growing conditions follow treatment. This may cause loss of yield. Take care to ensure that products are evenly applied at the recommended dose to a healthy crop.
- Due to its high level of activity, care must be taken to avoid damage by spray drift onto plants outside the target area.

WEEDS CONTROLLED

NICO PRO 4SC can be used to control the following weeds in maize.

Control of Annual Grasses

Common name	Latin Name	Dose rate (L/ha)	Level of efficacy
Annual meadow-grass	<i>Poa annua</i>	1.0	Susceptible*
Ryegrass	<i>Lolium spp.</i>	1.0	Susceptible

*only susceptible at the two leaf stage of the weed.
When NICO PRO 4SC is applied for control of other weeds some activity against black-grass and wild-oats can be seen.

Control of Broad-leaved Weeds

Common name	Latin Name	Dose rate (L/ha)	Level of efficacy
Common amaranth*	<i>Amaranthus retroflexus</i>	1.0	Susceptible
Shepherd's purse	<i>Capsella bursa-pastoris</i>	1.0	Susceptible
Groundsel	<i>Senecio vulgaris</i>	1.0	Susceptible

*These weeds are minor and only limited evidence supports their control in the UK.
For susceptible weeds, the effectiveness is generally 80–100%.

RESISTANCE MANAGEMENT

This product contains nicosulfuron which is an ALS inhibitor, also classified by the Herbicide Resistance Action Committee as 'Group B'.

Use only as part of a resistance management strategy that includes cultural methods of control and does not use ALS inhibitors as the sole chemical method of grass-weed control.

Avoid the use of NICO PRO 4SC, or any other ALS inhibitor herbicide, as a sole means of grass and broad-leaved weed control in successive crops.

Strains of some annual weeds (e.g. black-grass, wild-oats, and Italian rye-grass) have developed resistance to herbicides which may lead to poor control. A strategy for preventing and managing such resistance should be adopted. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor, crop advisor or product manufacturer.

CROP SPECIFIC INFORMATION

Timing and Rates of Use

Control of Annual Grasses

Use : Apply 1.0 L/ha in 200 L/ha of water at 2-8 leaf stage of the crop, 2 leaves to early tillering of the weed.

Control of Broad-leaved Weeds

Use : Apply at 1.0 L/ha in 200 L/ha water at 2-8 leaf stage of the crop, 2 to 6 leaves of the weeds (In order to give maximum control the weeds must be growing well and not under any form of stress).

FOLLOWING CROPS

In normal crop rotation, after ploughing, winter wheat, winter barley, winter rye and triticale can be sown. All other crops can be sown in the following spring. In case of plant-back situation (crop failure), maize and soybeans can be sown after ploughing.

MIXING AND SPRAYING

Preparation of the spray solution

Shake thoroughly the NICO PRO 4SC container. Half fill the spray tank with clean water and begin agitation. Add the required quantity of NICO PRO 4SC to the tank and complete filling. Continue agitation until spraying is completed.

Application

NICO PRO 4SC must be applied using equipment which gives a good coverage of weeds (we recommend a spray quality MEDIUM as defined by BCPC and corresponding to a mean droplet size of 225 microns).

Do not spray NICO PRO 4SC if any rainfall is expected in the next 6 hours.

NICO PRO 4SC contains a sulfonylurea herbicide and it must not be applied in mixture or sequence with other sulfonylurea herbicides.

Tank cleaning procedure

Clean applicator thoroughly after using the following method:

- Drain tank completely then flush tank, boom and hoses with clean water. Drain again.
- Half fill the tank with clean water and add an ammonia based

solution (All Clear Extra - 1L/200L water). Flush through boom and hoses, then allow to stand for 10 minutes with agitation. Drain completely.

(c) To remove traces of detergent, rinse the tank with clean water and flush through booms and hoses.

(d) Repeat step (b).

(e) Nozzles and filters must be removed and cleaned separately with the detergent solution at the same concentration as above.

(f) Any contamination on the outside of the spraying equipment should be removed by washing with clean water.

SOIL CONDITIONS

NICO PRO 4SC can be used on all soils (light, medium and heavy soils) and is unaffected by high organic matter.

STORAGE

Store the container at room or cool temperatures.

ISK Biosciences Europe NV, as the Seller, shall be under no liability (except for liability for death or personal injury resulting from the negligence of the Seller) whether in contract or in tort for or in respect of any loss or damage resulting from an arising out of the mixing or sequential use, of the goods with any other goods (whether the Seller or any third-party) otherwise than in accordance with the Seller's Recommendations for Use, or resulting from or arising out of the use of the goods in or before abnormal weather conditions or in unusual soil conditions notwithstanding that such conditions may be known or may have been known to the Seller or on plant varieties not known to the Seller to be abnormally susceptible to damage by the goods.

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