

inSyst SL

MAPP 21385

GROUP 4A INSECTICIDE

A soluble concentrate formulation containing 120 g/L acetamiprid for the control of aphids on sugar beet, fodder beet, potatoes, wheat, rye, triticale and oats; and pollen beetle, cabbage seed weevil and brassica pod midge on oilseed rape.

INSECTICIDE

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Net content

5L

Production date / Batch number:
see packaging

INSYST SL

A soluble concentrate formulation containing 120 g/L acetamiprid.

! DANGER !



H302 HARMFUL IF SWALLOWED.
H318 CAUSES SERIOUS EYE DAMAGE.

H336 MAY CAUSE DROWSINESS AND DIZZINESS.
H361d SUSPECTED OF DAMAGING THE UNBORN CHILD.
H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.

UFI: AKNP-WXP8-5J61-UE5K

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P264 Wash hands thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P312 IF SWALLOWED: call a POISON CENTRE or doctor/ physician if you feel unwell.

P405 Store locked up.

P501 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.

For advice on medical emergencies, fires, spillages or chemical hazards **ONLY** – phone
Carechem 24 EU:
01235 239670

For technical and non-emergency calls
phone 0845 373 0305

Approval Holder:
Nisso Chemical Europe
GmbH, Berliner Allee 42
40212 Dusseldorf
Germany

® registered trademark
of Nippon Soda Co., Ltd



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GROWING TOGETHER

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IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL INSECTICIDE

Crops: Potato (ware & seed), spring & winter oilseed rape, sugar beet, fodder beet, spring & winter wheat, rye, triticale and oats.

Maximum individual dose	Maximum number of treatments	Latest time of application	Other specific restriction
Refer to the leaflet attached to the product label for full details.			

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.

THE (COSHH) CONTROL OF SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS MAY APPLY TO THE USE OF THIS PRODUCT AT WORK.

SAFETY PRECAUTIONS

Operator Protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment: **WEAR SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD)** when handling the concentrate.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection. **WHEN USING DO NOT EAT, DRINK OR SMOKE.**

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

DO NOT BREATHE SPRAY.

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

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible).

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and seek medical advice. Workers must wear suitable protective gloves* when manually removing weed beet or bolted beet plants within 6 weeks after treatment. *Meeting at least glove safety standard EN374-1:2016 Type A and EN388:2016 (3121X).

Workers must wear suitable protective gloves *when roguing seed potato crops within 6 weeks after treatment. *Meeting at least glove safety standard EN374-1:2016 Type A and EN388:2016 (3121X).

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 in line with LERAP requirements. **DO NOT ALLOW DIRECT SPRAY** from horizontal boom sprayers to fall within 5 m of the top of the bank of a static or flowing water body, unless a Local Environment Risk Assessment for

Pesticides (LERAP) permits a narrower buffer zone, or within 1 m of the top of a ditch which is dry at the time of application. Aim spray away from water.



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 CRD's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

To protect non-target insects/arthropods respect an untreated buffer zone of 5 metres to non-crop land.

To protect non-target insects/arthropods applications must not be made after the 31st July. Aim spray away from water.

Storage and Disposal

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

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



INSYST SL

A soluble concentrate formulation containing 120 g/L acetaminophen.

UFI: AKNP-WXP8-5J61-UE5K



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

IMPORTANT INFORMATION

FOR USE ONLY AS A PROFESSIONAL INSECTICIDE

Crops	Maximum individual dose (ml product/Ha)	Maximum number of treatments	Latest time of application
Potatoes (ware)	350 ml/ha	1 per year	14 days before harvest or before beginning of senescence.
Potatoes (seed)	350 ml/ha	2 per year	14 days before harvest or before beginning of senescence.
Spring and winter oilseed rape	350 ml/ha	1 per year	Before ripening starts (seeds green and filling pod cavity).
Sugar Beet, fodder beet	350 ml/ha	1 per year	28 days before harvest or before beet root has reached harvestable size.
Spring and winter wheat, rye, triticale, oats	350 ml/ha	2 per year	28 days before harvest or before early dough stage.

Other specific restriction

- 1) A minimum interval of 21 days must be observed between applications to seed potato.
- 2) A minimum interval of 14 days must be observed between applications to spring and winter wheat, rye, triticale and oats.
- 3) No application to oilseed rape can be made before 1st May in any year.
- 4) To protect non-target insects/arthropods this product must not be applied after 31st July in any given year.
- 5) This product must not be applied via hand-held equipment.
- 6) Managers must ensure that appropriate communication is in place such that workers roguing seed potatoes are aware of the need to wear personal protective equipment as described under the 'operator protection' section.

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.

GENERAL INFORMATION

INSYST SL is a neonicotinoid insecticide for the control of aphids in sugar beet, fodder beet, potatoes, wheat, rye, triticale and oats; and pollen beetle, cabbage seed weevil and brassica pod midge on oilseed rape.

INSYST SL is slightly toxic to predatory mites and generally slightly toxic to other beneficials.

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.

CROPS, APPLICATION RATES AND APPLICATION TIMING

Thorough coverage of the foliage is essential to ensure good control. The spray should be applied as a FINE/MEDIUM spray quality (BCPC category), up to the point of run-off.

Potato (Seed and Ware)

INSYST SL controls a wide range of aphid species that are prevalent in potatoes including *Myzus persicae*, *Macrosiphum euphorbiae*, *Aphis nasurtii* and *Aulacorthum solani*. INSYST SL may be used up to 2 times on seed potato in a programme in alternation with non-neonicotinoid insecticides of a different mode of action. Do not use in consecutive sprays. Use no more than two applications of any neonicotinoid on potatoes (see 'Resistance Management'). The rate of application should not be lower than specified to ensure good control and to prevent the likelihood of resistance build up. Only 1 application on ware potato is permitted.

Rate of Application: Apply at a rate of 350 ml product/ha from tuber initiation (swelling of first stolon tips to twice the diameter of subtending stolon) until the beginning of senescence (seed and ware potatoes).

Maximum number of application: 1 for ware potatoes, 2 for seed potatoes

Water Volume: Ensure good coverage using 200-700 L water/ha depending on canopy size.

Spray Interval: 21 days (max 2 applications on seed potato)

Harvest interval: 14 days

Winter and Spring Oilseed Rape

INSYST SL controls pollen beetle (*Brassicogethes aeneus*), cabbage seed weevils (*Ceutorhynchus assimilis*) and brassica pod midge (*Dasineura brassicae*) in oilseed rape. Only treat after 1st May in any given year when appropriate threshold for pollen beetle or cabbage seed weevils has been reached.

Applications for cabbage seed weevil will also control brassica pod midge. Treatment decisions for brassica pod midge should be based on previous local experience or after the appropriate threshold for cabbage seed weevils has been reached.

A maximum of one application per crop and only one foliar application of any neonicotinoid can be used on oilseed rape. Growers should consult the IRAG website for further information on the current resistance management strategy for pollen beetle, in particular the use of acetamiprid in areas of high resistance risk, or where a pyrethroid has been used but pollen beetle populations remain above the treatment threshold. The rate of application should not be lower than specified to ensure good control and to prevent the likelihood of resistance build up.

Rate of Application: Apply at a rate of 350 ml product/ha from flower buds present, still enclosed by leaves until before ripening starts (seeds green and filling pod cavity).

Maximum number of application: 1

Water Volume: Ensure good coverage using 200-400 L/ha depending on canopy size

Spray Interval: Not applicable (max 1 application)

Harvest interval: Not applicable

Sugar beet and fodder beet

INSYST SL can be used for the reduction of beet yellows virus complex via the control of the principal virus vector, peach-potato aphid (*Myzus persicae*). Further treatments may be needed where aphids remain above threshold levels. INSYST SL may be used once a year in a programme in alternation with non-neonicotinoid insecticides of a different mode of action. The rate of application should not be lower than specified to ensure good control and to prevent the likelihood of resistance build up.

For prevention of beet yellowing virus transmissions, aphid control is only needed when numbers of *Myzus persicae* (peach-potato aphid) exceed the following thresholds:

- Up to 12 true leaves, threshold for treatment is 1 green wingless aphid per 4 plants.
- From 12-16 true leaves, threshold for treatment is 1 green wingless aphid per plant.

INSYST SL will also provide moderate control of black-bean aphid, *Aphis fabae*, if present at time of spraying.

Rate of Application: Apply at a rate of 350 ml product/ha from beginning of crop cover (leaves cover 10% of ground) until before beet root has reached harvestable size.

Maximum number of application: 1

Water Volume: Ensure good coverage using 200-500 L water/ha

Spray Interval: Not applicable (max 1 application)

Harvest interval: 28 days

Winter and spring wheat, rye, triticale, oats

INSYST SL controls a wide range of summer aphid species that are prevalent in cereals including *Sitobion avenae*, *Rhopalosiphum padi* and *Metopolophium dirrhodum*. Target the first application against aphids when warning systems forecast significant aphid infestation or when economic thresholds are reached. Further treatments may be needed where aphids remain above threshold. INSYST SL may be used twice a year in a programme in alternation with non-neonicotinoid insecticides of a different mode of action. The rate of application should not be lower than specified to ensure good control and to prevent the likelihood of resistance build up.

Rate of Application: Apply at a rate of 350 ml product/ha from flag leaf sheath opening until the early dough stage.

Maximum number of application: 2

Water Volume: Ensure good coverage using 200-400 L water/ha

Spray Interval: 14 days (max 2 applications)

Harvest interval: 28 days

Mixing

Ensure sprayer is clean. Half-fill the spray tank with clean water.

Add the required amount of INSYST SL to the tank and complete filling. Keep the spray solution agitated during application. Do not leave spray solution overnight.

Tank washing procedure

Immediately after application of INSYST SL, drain tank completely.

Any contamination on the outside of the spraying equipment should be removed by washing with water and a commercially available cleaning agent. Rinse inside of tank with clean water and cleaning agent and flush through boom and hoses using at least one tenth of the spray tank volume. Drain completely.

Do not contaminate surface waters or ditches with chemical or used container. Dispose of spray washings in accordance with the Code of Practice for the Safe Use of Pesticides on Farms and Holdings (DEFRA).

Resistance Management

Use no more than one application of any neonicotinoid insecticide on ware potatoes, oilseed rape, sugar beet or fodder beet, and two applications on seed potatoes or cereals. Total reliance on one pesticide will hasten the development of resistance; pesticides of different chemical types or alternative control measures should be included in the planned programme. Alternating insecticides with different modes of action is a recognised anti-resistance strategy and INSYST SL should always be used in conjunction with non-neonicotinoid insecticides of a different mode of action.

Acetamiprid is Group 4A insecticide, adopt a window strategy by limiting Group 4 treatments onto one generation of the target pest, and switching to other modes of action in the subsequent generation where further sprays are required. Avoid using Group 4 compounds for more than 50% of the total crop cycle.

Company Advisory Information

This section is not part of the Product Label under the Control of Pesticides Regulations 1986 or the Plant Protection Products Regulations 1995 (as appropriate) and that it provides additional advice on product use at the discretion of the applicant.

INSYST SL works through contact, translaminar and locally systemic activity. The active ingredient acetamiprid is readily translocated to growing and newly developed leaves, however, it is important to note that there is little movement from new leaves to older leaves, so good spray cover on older leaves is particularly important in achieve thorough control.

CONDITIONS OF SUPPLY

The Seller warrants that the goods shall at the time of delivery to the Buyer conform to the Seller's standard specification but all other conditions and warranties, whether express or implied by statute or custom of the trade or otherwise and whether as to condition, quality, performance, merchantability, fitness for any purpose or otherwise, are expressly excluded and, subject as aforesaid, the Seller shall be under no liability whatsoever, in contract or in tort, for or in respect of any loss or damage whatsoever resulting from or arising out of the goods or supply or use thereof, whether caused by the negligence of the Seller or otherwise. The Seller shall be under no liability in respect of the warranty given above unless the Buyer allows the Seller reasonable opportunity of inspecting the goods where practicable. A consumers statutory rights are not affected.

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



<https://certisbelchim.co.uk/pdf/MSDS/Insyst-SL.pdf>

WEBLINK to specific data sheet on manufacturer's website:
Alternatively, contact your supplier.