



INSYST®
MAPP 19873

A water soluble powder formulation containing 20% w/w acetamiprid for the control of aphids on sugar beet and potatoes; and pollen beetle on oilseed rape.

GROUP	4A	INSECTICIDE
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1 Kg e
Batch No:

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 SUITABLE RESPIRATORY PROTECTIVE EQUIPMENT* when handling the product. *Disposable filtering facepiece respirator to at least EN149 FFP2 or equivalent.'

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

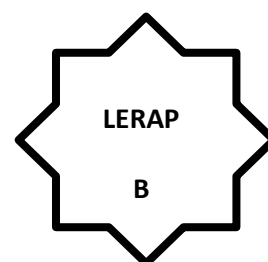
Environmental protection

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. DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1 m of the top of the bank of a static or flowing water body. 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

A water soluble powder formulation containing 20% w/w acetamiprid



WARNING
HARMFUL IF SWALLOWED
SUSPECTED OF DAMAGING THE UNBORN CHILD
VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING
EFFECTS

Wear protective gloves/protective clothing/eye protection/ face protection
 Wash hands thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Avoid release to the environment.
 IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
 Store locked up
 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.
 MAPP 19873

**IMPORTANT INFORMATIONS
 FOR USE AS A PROFESSIONAL INSECTICIDE**

Crops	Maximum Individual Dose (g product/Ha)	Maximum number of treatments	Latest time of application
Potatoes (Ware)	250 g/Ha	1 per year	7 days before harvest (BBCH 40-89)
Potatoes (Seed)	250 g/Ha	2 per year	7 days before harvest (BBCH 40-89)
Oilseed Rape	200 g/Ha	1 per year	28 days before harvest (BBCH 50-80)
Sugar Beet	250 g/ha	1 per year	28 days before harvest (BBCH 12-39)

Other specific restriction:

- 1) A minimum interval of 21 days must be observed between applications to seed potato.
- 2) Following an application to sugar beet between BBCH 12 and 19, acetamiprid must not be applied to the same field until the second spring after application regardless of the crop grown.

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

This label is compliant with the CPA Voluntary Initiative Guidance- UK



Marketed by:

CERTIS

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For advice on medical emergencies, fires, spillages or chemical hazards ONLY –
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Approval Holder: Nisso Chemical Europe GmbH, Berliner Allee 42, 40212 Dusseldorf, Germany.

Insyst® is a registered trademark of Nippon Soda Co., Ltd

GENERAL INFORMATION

Insyst is a neonicotinoid insecticide for the control of aphids in potatoes and sugar beet; and pollen beetle on oilseed rape. Insyst 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, up to the point of run-off.

Potatoes (Seed and Ware)

Insyst controls a wide range of aphid species that are prevalent in potatoes including *Myzus persicae*, *Macrosiphum euphorbiae* and *Aulacorthum solani*. Insyst 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'). 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 250 g product/ha at BBCH 40-89

Water Volume: Ensure good coverage using 200-1000 L water/ha depending on canopy size.

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

Harvest interval: 7 days

Oilseed rape

Insyst controls pollen beetle (*Meligethes aeneus*) in oilseed rape. Only treat when appropriate threshold for pollen beetle has been reached. A maximum of one application per crop can be made, 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 200 g product/ha at BBCH 50 -80

Water Volume: Ensure good coverage using 200-600 l/ha depending on canopy size

Spray Interval: Not Applicable (max 1 application)

Harvest interval: 28 days

Sugar beet

Insyst can be used for the reduction of beet yellows virus complex via the control of the principle virus vector, peach-potato aphid (*Myzus persicae*). Further treatments may be needed where aphids remain above threshold. Insyst 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' 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 250 g product/ha at BBCH 12-39

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

Spray Interval: Not Applicable (max 1 application)

Harvest interval: 28 days

To protect groundwater, following an application to sugar beet between BBCH 12 and 19, acetamiprid must not be applied to the same field until the second spring after application regardless of the crop grown.

Mixing

Ensure sprayer is clean. Half fill the spray tank with clean water. Add the required amount of Insyst 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, 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

Use no more than two applications of any neonicotinoid insecticide on seed potatoes, and one application on ware potatoes or oilseed rape or sugar beet. Total reliance on one pesticide will hasten the development of resistance. 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.

END OF LABEL TEXT

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 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.

Material Safety Data Sheet

To access the Safety Data Sheet for this product, scan the QR code or use the web link below
URL: <https://cutt.ly/rvjN7v>

Alternatively, contact your supplier