

INSYST®

MAPP 13414/ PCS 03249

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

1 Kg e

Batch No.:

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

### **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 when handling the product or 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.

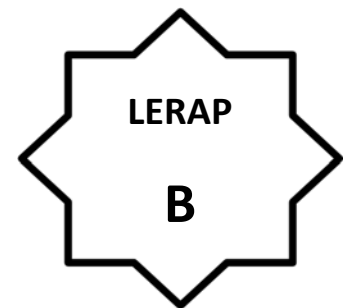
DO NOT BREATHE SPRAY.

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

#### **Environmental protection**

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m 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 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 water body. Aim spray away from water.

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).



#### **Storage and disposal**

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

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

This product is approved under the Plant Protection Products Regulations

**INSYST**

A water soluble powder formulation containing 20% w/w acetamiprid, benzenesulfonic acid, mono-C10-13-alkyl derivs., sodium salts.

**WARNING****HARMFUL IF SWALLOWED****VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS**

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.

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 13414  
PCS 03249

**IMPORTANT INFORMATION**

FOR USE ONLY AS AN AGRICULTURAL INSECTICIDE

Crops	Maximum Individual Dose (g product/Ha)	Maximum number of treatments	Latest time of application	Spray interval
Potatoes (Excluding seed)	250 g/Ha	1 per year	14 days before harvest	-
Potatoes (Seed)	250 g/Ha	2 per year	14 days before harvest	7 Days
Oilseed Rape	200 g/Ha	1 per year	BBCH 69	-

**Other specific restriction:**

A minimum interval of 7 days must be observed between applications to seed potato. 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 kept for three years.

**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 ONLY

Marketed by:

**CERTIS**

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**For advice on medical emergencies, fires, spillages or chemical hazards ONLY – phone 0870 190 6777**

**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 on potatoes 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.

### **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.

### **Crops**

#### **Potatoes**

Insyst controls a wide range of aphid species that are prevalent in potatoes for example *Myzus persicae*, *Macrosiphum euphorbiae* and *Aulacorthum solani*. Treatment should be carried out as soon as possible when appropriate thresholds are reached. A maximum of one application can be made to ware crops and a maximum of two applications can be made to seed crops, with a spray interval of 7 days. Should further applications be required on ware crops then use a non neonicotinoid insecticide of a different mode of action. On seed crops Insyst may be

used up to 2 times 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 (e.g. acetamiprid, thiacloprid) on seed potatoes (see 'resistance').

Rate of application:

Apply at a rate of 250 g/ha.

Apply in a water volume of 200-600 l/ha depending on canopy size.

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.

Harvest interval: 14 days

### **Oilseed rape**

Insyst controls pollen beetle (*Meligethes aeneus*). Treatment should be carried out as soon as possible once appropriate thresholds are 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.

Rate of application:

Apply at a rate of 200 g/ha.

Apply in a water volume of 200-600 l/ha depending on canopy size.

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.

### **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 (e.g. acetamiprid, clothianidin, imidacloprid, thiacloprid) on seed potatoes. Where a neonicotinoid insecticide has previously been used on a seed potato crop (e.g. as a seed treatment or soil treatment), use no more than a single foliar application of a neonicotinoid. For use on ware potatoes, use no more than a single application of any neonicotinoid insecticide. Use no more than one foliar application of any neonicotinoid insecticide on oilseed rape.

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 should always be used in conjunction with other insecticides of a different mode of action. This includes

consideration of sequences involving seed or soil treatments followed by a foliar spray.

### **Section 6 of the Health and Safety at Work Act**

#### **Additional Product Safety Information**

**(This section does not form part of the product label under the Plant Protection Products Regulations (as amended)).**

**The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that particular use has “off-label” approval or is otherwise permitted under the Plant Protection Products Regulations. The information on this label is based on the best available information including data from test results.**

#### **Safety Data Sheet**

To access the Safety Data Sheet for this product, scan the QR code or use the web-link below:

URL: [http://www.certiseurope.co.uk/fileadmin/downloads\\_uk/products/insecticides/INSYST\\_MSDS.pdf](http://www.certiseurope.co.uk/fileadmin/downloads_uk/products/insecticides/INSYST_MSDS.pdf)



Alternatively, contact your supplier.