



# Afinto®

syngenta®

## GROUP 29 INSECTICIDE

**MAPP:** 19622 **UFI:** 62J6-F9FJ-6X8Y-WK8U

An aphicide for the control of Aphids in Potatoes, Vining Pea, Winter Wheat, Spring Barley, Spring Oats, Triticale and Rye; for the control of Aphids and Whitefly in Cabbage, Sugar Beet, Fodder Beet, Oilseed Rape (winter) and reduction of Whitefly in Brussels Sprout.

Authorisation Holder	Marketing Company
ISK Biosciences Europe N.V., Pegasus Park, De Kleetlaan 12B-Box 9, B-1831 Diegem, Belgium, Tel: +32 (0)2 627 86 11	Syngenta UK Limited CPC4, Capital Park, Fulbourn, Cambridge, CB21 5XE Tel: Cambridge (01223) 883400

**In case of toxic or transport emergency ring +44 (0)1484 538444 any time**

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

*FOR USE ONLY AS A PROFESSIONAL AGRICULTURAL INSECTICIDE*

*PROTECT FROM FROST*

# 4 x 2 kg e

This product label is  
compliant with the  
CPA Voluntary Initiative  
(VI) guidance.



### AFINTO®

Water dispersible granules (WG) contains 500 g/ kg flonicamid.

### Warning

**Causes serious eye irritation.**

Wash contaminated body parts thoroughly after handling.

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

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

If eye irritation persists: Get medical advice/attention.

Safety data sheet available on request.

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

**MAPP 19622**

Production date / Batch number: see bottle

Product names marked ® or ™, the ALLIANCE FRAME  
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The  
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**IMPORTANT INFORMATION**

FOR USE ONLY AS AN AGRICULTURAL INSECTICIDE

<b>Crops/ situations</b>	<b>Maximum individual dose</b>	<b>Maximum number of treatments</b>	<b>Maximum total dose</b>	<b>Latest time of application</b>
Potatoes	0.16 kg/ha	2	0.32 kg/ha	14 days before harvest
Wheat* (winter)	0.14 kg/ha	2	0.28 kg/ha	28 days before harvest
Barley (spring), Oats (spring), Triticale, Rye	0.14 kg/ha	1	0.14 kg/ha	BBCH 77
Beet-fodder**, Beet-sugar	0.14 kg/ha	1	0.14 kg/ha	60 days before harvest
Brussels sprout, Cabbage	0.14 kg/ha	2	0.28 kg/ha	14 days before harvest
Vining pea	0.14 kg/ha	1	0.14 kg/ha	14 days before harvest
Oilseed rape (winter)	0.1 kg/ha	1	0.1 kg/ha	Eight true leaves unfolded (GS18)

**Other specific restrictions:**

\* The earliest timing of application for AFINTO on winter wheat is 50% of ear emerged stage (BBCH 53)

\*\* Fodder beet must not be grazed by livestock or harvested for animal consumption until at least 60 days following the last application.

A minimum interval of 21 days must be observed between applications on potato and winter wheat.

This product must not be applied in a tank mix with oil based adjuvants when used on ware potato.

**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.**

## **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.  
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.

WHEN USING DO NOT EAT, DRINK OR SMOKE

### **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).

DANGEROUS TO BEES. To protect bees and pollinating insects do not apply to crop plants when in flower. Do not use where bees are actively foraging. Do not apply when flowering weeds are present.

### **Storage and disposal**

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP IN ORIGINAL CONTAINER, tightly closed, in a safe place / under lock and key / away from damp / sources of heat.

EMPTY CONTAINER COMPLETELY and dispose of safely. 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.

### **IMPORTANT**

- DO NOT ALLOW THE PRODUCT TO STAND OVERNIGHT.
- Ensure that the spraying equipment and especially nozzles have been thoroughly cleaned before starting spraying, in particular when equipment has been used for other purposes and on other crops.
- Spraying equipment should be calibrated prior to use to ensure accurate application.

## 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 the product.**

AFINTO® is a selective aphicide with activity against the specified aphid species on potato, wheat, spring barley, spring oats, cabbage, Brussels sprout, vining peas, triticale, rye, fodder beet, sugar beet and oilseed rape (winter).

### Application

#### IMPORTANT - Product Measurement

As AFINTO is applied at a very low dose rate, it is important to accurately weigh the required amount of product for each spray operation in order to ensure application of the correct dose. CONSULT PROCESSOR BEFORE USING ON VINING PEAS, CABBAGE OR BRUSSELS SPROUT FOR PROCESSING.

## POTATO

Aphids controlled: *Macrosiphum euphorbiae*, *Myzus persicae*, *Aphis nasturtii*.

Target the first application when warning systems forecast significant aphid infestations.

<b>Rate</b>	The application rate of AFINTO is 0.16 kg/ha.
<b>Maximum total dose</b>	0.32 kg/ha.
<b>Water volume</b>	200 to 500 l/ha
<b>Spray schedule</b>	AFINTO has a persistence of up to 21 days. The maximum number of applications is 2 per crop.
<b>Pre harvest interval</b>	The last spray should not be applied later than 14 days before harvest. Do not use oil based adjuvants in a tank mix when applying to ware potatoes.

## CABBAGE

Pests controlled: Aphid species. A reduction in numbers of whitefly will be achieved. Target the first application when warning systems forecast significant aphid or whitefly infestations. Crops can be treated from the 2 to 3 leaf stage.

<b>Rate</b>	The application rate of AFINTO is 0.14 kg/ha.
<b>Water volume</b>	200 to 300 L/ha.

<b>Spray schedule</b>	AFINTO has a persistence of up to 21 days. The maximum number of applications is 2 per crop with an interval of 14 to 21 days between applications
<b>Pre-harvest interval</b>	the last spray should not be applied later than 14 days before harvest.

### **VINING PEAS**

Aphids: moderate control of the aphid species *Myzus persicae*, *Aphis fabae*, *Acyrtosiphon pisum* will be achieved. Target the application at arrival of aphids in spring or when warning systems forecast significant aphid infestations. An application can be made from the 6 to 8 leaf stage up to the pre-harvest interval.

<b>Rate</b>	The application rate of AFINTO is 0.14 kg/ha.
<b>Water volume</b>	200 to 400 L/ha.
<b>Spray schedule</b>	AFINTO has a persistence of up to 21 days. The maximum number of applications is 1 per crop.
<b>Pre-harvest interval</b>	the last spray should not be applied later than 14 days before harvest.

### **WINTER WHEAT**

Control of aphids attacking the ears: *Macrosiphum avenae*, *Metopolophium dirhodum* and *Rhopalosiphum padi*. Target the first application against aphids when warning systems forecast significant aphid infestation; or when the economic threshold is reached. Do not apply AFINTO before BBCH 53.

<b>Rate</b>	The application rate of AFINTO is 0.14 kg/ha.
<b>Maximum total dose</b>	0.28 kg/ha
<b>Water volume</b>	200 to 500 l/ha
<b>Spray schedule</b>	AFINTO has a persistence of up to 21 days. The maximum number of applications is 2 per crop.
<b>Pre harvest interval</b>	The last spray should not be applied later than 28 days before harvest.

### **SPRING BARLEY, TRITICALE, RYE AND SPRING OATS**

#### Spring/Summer application

Control of aphids (*Macrosiphum avenae*, *metopolophium dirhodum* and *Rhopalosiphum padi*): Target the first application against aphids when warning systems forecast significant aphid infestation; or when the economic threshold is reached. Applications can be made from the flag leaf stage (BBCH 39) up to the late milk (BBCH 77) stage of crop growth.

<b>Rate</b>	The application rate of AFINTO is 0.14 kg/ha.
<b>Maximum total dose</b>	0.14 kg/ha
<b>Water volume</b>	200 to 500 l/ha
<b>Spray schedule</b>	AFINTO has a persistence of up to 21 days. The maximum number of applications is 1 per crop.
<b>Pre harvest interval</b>	The last spray should not be applied later than the late milk crop growth stage (BBCH 77).

### **FODDER BEET and SUGAR BEET**

Control of virus-carrying aphids: Black bean aphid (*Aphis fabae*) and Peach potato aphid (*Myzus persicae*)  
 Target the application against aphids when warning systems forecast significant aphid infestation, or when the economic threshold is reached. Applications can be made from the two leaf stage of the crop, generally May to June. For virus control, where thresholds indicate treatment is necessary, apply AFINTO to the earliest permissible growth stages of the crop, when they are the most susceptible.

<b>Rate</b>	The application rate of AFINTO is 0.14 kg/ha.
<b>Water volume</b>	200 to 500 L/ha.
<b>Spray schedule</b>	AFINTO has a persistence of up to 21 days. The maximum number of applications is 1 per crop.

<b>Pre harvest interval</b>	The last spray should not be applied later than 60 days before harvest. Fodder beet must not be grazed by livestock or harvested for animal consumption until at least 60 days following last application.
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### **WINTER OILSEED RAPE**

#### Autumn application

Control of aphids including virus-carrying aphids: Peach potato aphid (*Myzus persicae*).  
 Target the application against aphids when warning systems forecast significant aphid infestation, or when the economic threshold is reached. Applications can be made in the autumn from the 2 leaf stage of the crop.

<b>Rate</b>	The application rate of AFINTO is 0.10 kg/ha.
<b>Water volume</b>	200 to 300 L/ha.
<b>Spray schedule</b>	AFINTO has a persistence of up to 21 days. The maximum number of applications is 1 per crop.
<b>Pre-harvest interval</b>	The last spray should not be applied later than the 8 leaf stage of the crop in the autumn.

### **Qualified minor use recommendation**

#### **BRUSSELS SPROUT**

Pests controlled: A reduction in numbers of whitefly will be achieved. Target the first application when warning systems forecast whitefly infestations.

Crops can be treated from the 2 to 3 leaf stage.

<b>Rate</b>	The application rate of AFINTO is 0.14 kg/ha.
<b>Water volume</b>	200 to 300 L/ha.
<b>Spray schedule</b>	AFINTO has a persistence of up to 21 days. The maximum number of applications is 2 per crop with an interval of 14 to 21 days between applications.
<b>Pre-harvest interval</b>	The last spray should not be applied later than 14 days before harvest.

#### **Resistance Management Strategy:**

Vining peas, barley, oats, triticale, rye, sugar beet, fodder beet and oilseed rape (winter): Do not apply more than 1 spray of AFINTO per crop.

Potato, cabbage, Brussels sprout and wheat: Do not apply more than 2 sprays of AFINTO per crop.

AFINTO belongs to the IRAC mode of action group 29. Strains of some aphid species are resistant to many aphicides. Where aphids resistant to products containing flonicamid occur, AFINTO is unlikely to give satisfactory control. Repeat treatments are likely to result in lower levels of control.

AFINTO is a feeding inhibitor.

Do not make repeat applications of an insecticide from the same chemical sub-group (indicated by the IRAC MoA Group number) if it appears not to work at full rate and if the product has been applied correctly.

If further treatments are required, use at least one application of an insecticide having a different mode of action to AFINTO before applying further AFINTO.

Integrate other control methods (chemical, cultural, biological) into insect control programs. For more information on insecticide resistance consult the IRAC website: <http://www.irc-online.org/>



**Preparation of the spray solution:**

Add a minimum of 50% of the required water into the spraying tank, and agitate when adding the required amount of AFINTO. Finally add the rest of the required water volume. Keep the spray solution agitated until all product is applied. Never prepare more spray solution than required. Double rinse the empty product container and add the remaining diluted product to the spray solution. Do not use oil based adjuvants in a tank mix when applying to ware potatoes.

AFINTO should be applied evenly over the crop via tractor mounted or drawn boom sprayer. Appropriate measures to avoid drift (follow appropriate wind speed guidelines) onto non-target crops and watercourses should be taken.

**STORAGE**

Reduce or avoid exposure and/or contact with the product. Keep container tightly closed. Store unused product in tightly closed, original container in a cool, dry area, preferably in a locked storage area. Store in such a manner as to prevent cross contamination. Keep away from food, drink, and animal feed stuffs, or any other material intended for consumption or use by humans or other animals. Do not store near a heat source or open flame. Keep dry and frost proof in a suitable pesticide store between 0 and 32°C.

**APPLICATION EQUIPMENT CLEANING PROCEDURE**

Ensure that no or only a minimal quantity of product remains in the spraying tank after field application. Upon completion dilute the remainder of the spray solution with the tank cleaning water; do not spray these on the treated fields. Any spillage should be collected and disposed of in appropriate chemical waste. In no way should contamination of waterways or surface water be allowed to occur. Thoroughly wash out all equipment after use. For disposal of washings, follow the Code of Practice for Using Plant Protection Products.

**WARRANTY**

The seller makes no warranty, expressed or implied, with regard to the use of the product other than that indicated on the label. The purchaser and user shall assume all risk associated with use and/or handling and/or the storage of the product, if this use and/or handling and/or storage are carried out contrary to the instructions on the label.

**DAMAGES**

Buyer's or user's exclusive remedy for damages, breach of warranty, or negligence, shall be limited to the direct damage, and shall not exceed the purchase price of the product, and shall not include any incidental or consequential damages.





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