

# ALAKAZAM

## 500 WG



**GROUP 29 INSECTICIDE**

**An aphicide for the control of most aphids in seed and ware potatoes, cereals (wheat, barley, triticale, spelt, oats, rye), sugar beet, fodder beet, oilseed rape (winter), and orchards (apple and pear).**

Safety Data Sheet for this product  
scan the QR code or use the weblink:  
[https://links.jtcrop.net/IE\\_Alakazam\\_500\\_WG](https://links.jtcrop.net/IE_Alakazam_500_WG)  
Alternatively, contact your supplier.

ALAKAZAM 500 WG is a water dispersible granule containing 500 g/kg flonicamid.  
FOR PROFESSIONAL USE ONLY



Contains 500 g/kg flonicamid

UFI: WYY2-G06E-K004-FPDV



### Warning

#### Causes serious eye irritation.

Wash hands, forearms and face 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 so. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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

Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for empty, clean, triple rinsed containers which can be disposed of as non-hazardous waste.  
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)  
Contains disodium maleate. May produce an allergic reaction.

**PCS 06796**

**PROTECT FROM FROST**

**In the event of an emergency**, call the National Poisons Information Centre,  
Beaumont Hospital: **01-8092166** or **01-8379964**

Net contents  
**2 kg e**

Authorisation Holder and Marketing Company  
**JT Agro Europe sp. z o.o.**  
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Telephone: +44 1484 848885  
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10/25



## IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL AND HORTICULTURAL INSECTICIDE

Crops	Maximum individual dose	Maximum number of treatments	Maximum total dose	Latest time of application
Potato (ware) <sup>1</sup>	0.16 kg/ha	1	0.16 kg/ha	GS 15
Potato (seed)	0.16 kg/ha	1	0.16 kg/ha	GS 15
Wheat, triticale, spelt, rye, barley (winter)	0.14 kg/ha	2	0.28 kg/ha	28 days before harvest
Barley (spring), oats	0.14 kg/ha	1	0.14 kg/ha	28 days before harvest
Apples, pears	0.14 kg/ha	3	0.42 kg/ha	21 days before harvest
Fodder beet <sup>2</sup> , sugar beet	0.14 kg/ha	1	0.14 kg/ha	60 days before harvest
Oilseed rape (winter)	0.1 kg/ha	1	0.1 kg/ha	Eight true leaves unfolded (GS 18)

### Other specific restrictions

<sup>1</sup> Do not use in a tank mix with oil-based products when used on ware potatoes.

<sup>2</sup> Fodder beet must not be grazed by livestock or harvested for animal consumption until at least 60 days following the last application.

The total maximum number of treatments with any flonicamid-based product per crop cycle or per agricultural season must never exceed the maximum number indicated on the label of one of the flonicamid-containing products.

**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

WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION when handling the product, when handling contaminated surfaces and when applying with hand-held equipment.

WASH HANDS THOROUGHLY after handling.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when applying with broadcast air-assisted application equipment. During handling of the concentrated product as well as with the spray solution, wear standard protective clothing (especially rubber boots, gloves and eye protection).

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation persists: Get medical advice/attention.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

Avoid any unnecessary contact with the product.

Misuse can have adverse effects on health.

### Environmental Protection

Do not contaminate ponds, waterways or ditches with the product or its container. (Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads).

Collect spillage.

Do not empty into drains.

Avoid release into the environment. Refer to special instructions/Safety Data Sheets.

Avoid producing drift during application. Make sure that product or spray solution cannot contaminate natural surface water. DANGEROUS TO BEES. To protect bees and pollinating insects do not apply to 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.

Store away from food and feeds. Store in a cool dry place.

Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for empty clean, triple rinsed containers which can be disposed of as non-hazardous waste.

PROTECT FROM FROST  
SHAKE WELL BEFORE USE

### IMPORTANT

- ONCE MIXED, 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 dosing.**

## 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.**

ALAKAZAM 500 WG is a selective aphicide with activity against major aphid species on potato (ware and seed), wheat, spelt, triticale, rye, barley, oats, apples, fodder beet, sugar beet and winter oilseed rape.

ALAKAZAM 500 WG is **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.

## CROP SPECIFIC INFORMATION

### Application

#### IMPORTANT – PRODUCT MEASUREMENT

As ALAKAZAM 500 WG 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.

### Winter wheat, Spring wheat, Winter barley Triticale, Spelt and Rye

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.

**Rate:** The application rate of ALAKAZAM 500 WG is 0.14 kg/ha. Maximum total dose is 0.28 kg/ha

**Water volume:** 200 to 500 L/ha

**Spray schedule:** ALAKAZAM 500 WG has a persistence of up to 21 days. The maximum number of applications is 2 per crop.

**Pre-harvest interval:** The last spray should not be applied later than 28 days before harvest.

### Winter barley

#### AUTUMN APPLICATION

Control of virus-carrying aphids: 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 one leaf stage of the crop up to mid-tillering.

**Rate:** The application rate of ALAKAZAM 500 WG is 0.14 kg/ha. Maximum total dose is 0.28 kg/ha

**Water volume:** 200 to 500 L/ha

**Spray schedule:** ALAKAZAM 500 WG has a persistence of up to 21 days. The maximum number of applications is 2 per crop.

## Spring barley, Winter oats, Spring oats

Control of aphids:

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 flag leaf stage (BBCH 39) up to the late milk (BBCH 77) stage of crop growth.

**Rate:** The application rate of ALAKAZAM 500 WG is 0.14 kg/ha  
Maximum total dose is 0.14 kg/ha

**Water volume:** 200 to 500 L/ha

**Spray schedule:** ALAKAZAM 500 WG has a persistence of up to 21 days. The maximum number of applications is 1 per crop.

**Pre-harvest interval:** The last spray should not be applied later than 28 days before harvest.

## Potato (ware)

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

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

**Rate:** The application rate of ALAKAZAM 500 WG is 0.16 kg/ha  
Maximum total dose is 0.16 kg/ha

**Water volume:** 200 to 500 L/ha

**Spray schedule:** ALAKAZAM 500 WG has a persistence of up to 21 days. The maximum number of applications is 1 per crop.

**Pre-harvest interval:** The last spray should not be applied later than growth stage GS 15.

## Potato (seed)

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

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

**Rate:** The application rate of ALAKAZAM 500 WG is 0.16 kg/ha  
Maximum total dose is 0.16 kg/ha

**Water volume:** 200 to 500 L/ha

**Spray schedule:** ALAKAZAM 500 WG has a persistence of up to 21 days. The maximum number of applications is 1 per crop.

**Pre-harvest interval:** The last spray should not be applied later than growth stage GS 15.

## Apples and Pears

Aphids controlled on apple: *Dysaphis plantaginea* and  
*Aphis pomi*.

Aphids controlled on pear: *Dysaphis pyri*.

Target the first application against aphids when warning systems forecast significant aphid infestations (generally early spring on new developing leaves) and when aphids are present at the end of egg hatch. In apples this is usually from green cluster to petal fall. Later application may be required. Ensure good cover of foliage for effective control.

**Rate:** The application rate of ALAKAZAM 500 WG is 0.14 kg/ha  
Maximum total dose is 0.42 kg/ha

**Water volume:** 200 to 1000 L/ha (up to 1500 L/ha if necessary) water volume is dependent on tree size, stage of development and spraying equipment used.

**Spray schedule:** ALAKAZAM 500 WG has a persistence of up to 21 days. The maximum number of applications is 3 per year.

**Pre-harvest interval:** The last spray should not be applied later than 21 days before harvest.

**CONSULT PROCESSOR BEFORE USING ON  
APPLE OR PEAR CROPS FOR PROCESSING**

## **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 infestations 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 ALAKAZAM 500 WG to the earliest permissible growth stages of the crop, when they are the most susceptible.

**Rate:** The application rate of ALAKAZAM 500 WG is 0.14 kg/ha

**Water volume:** 200 to 500 L/ha

**Spray schedule:** ALAKAZAM 500 WG has a persistence of up to 21 days. The maximum number of applications is 1 per crop.

**Pre-harvest interval:** 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.

## **Winter Oilseed Rape**

Control of virus-carrying aphids: Peach potato aphid (*myzus persicae*).

Target the application against aphids when warning systems forecast significant aphid infestations or when the economic threshold is reached.

Applications can be made in the Autumn from the two-leaf stage of the crop.

**Rate:** The application rate of ALAKAZAM 500 WG is 0.1 kg/ha

**Water volume:** 200 to 300 L/ha

**Spray schedule:** ALAKAZAM 500 WG has a persistence of up to 21 days. The maximum number of applications is 1 per crop.

**Pre-harvest interval:** The last spray should not be applied later than the 8 leaf stage of the crop in the Autumn.

## **Unintended effects**

Evidence suggests that ALAKAZAM 500 WG has limited initial effects on populations of the beneficial mite *Typhlodromus pyri*, and any effect is short lived.

## **RESISTANCE MANAGEMENT**

Spring barley, Winter oats, Spring oats, Fodder beet, Sugar beet and Winter Oilseed Rape: Do not apply more than 1 spray of ALAKAZAM 500 WG per crop. Wheat, Triticale, Spelt, Rye, Winter barley and Potatoes: Do not apply more than 1 spray of ALAKAZAM 500 WG per crop.

Apples and Pears: Do not apply more than 3 sprays of ALAKAZAM 500 WG per year. In a program of insecticides use a maximum of 2 consecutive applications of ALAKAZAM 500 WG on apples and pears. If further treatments are required, use at least one application of an insecticide having a different mode of action to ALAKAZAM 500 WG before applying further ALAKAZAM 500 WG.

ALAKAZAM 500 WG 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, ALAKAZAM 500 WG is unlikely to give satisfactory control. Repeat treatments are likely to result in lower levels of control. ALAKAZAM 500 WG 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. 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/>

## **MIXING**

Add a minimum of 50% of the required water into the spray tank and agitate when adding the required amount of ALAKAZAM 500 WG. Finally add the remainder of the required water volume. Keep the spray solution agitated until all product is applied. Never prepare more spray solution than required.

On emptying the container, 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 container safely.

ALAKAZAM 500 WG should be applied evenly over the crop via tractor mounted or drawn horizontal or air assisted sprayer. Appropriate measures to avoid drift (follow appropriate wind speed guidelines) onto non-target crops or watercourses should be taken.

## **STORAGE**

Reduce or avoid exposure and/or contact with the product.

Keep container tightly closed.

Store unused product in a tightly closed, original container in a cool dry area, preferably a locked storage area. Store in such a manner as to prevent cross contamination. Keep away from food, drink and animal feeding 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 be disposed 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 appropriate procedures.

## **CONDITIONS OF SUPPLY**

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use or the weather conditions before, during or after application, which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded, and no responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.