



BELCHIM
C R O P P R O T E C T I O N

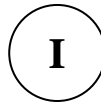
TEPPEKI®

Version and date: Version 4 Summer 2016

Changes since last version: Revised Resistance Management statement.

FORMULATION AND ACTIVE INGREDIENT: Water dispersible granules (WG) containing 500 g/kg flonicamid. An aphicide for the control of most aphids in Potatoes, Cereals (Wheat, Triticale, Rye) and Orchards (Apples and Pears).

PACK SIZE: 500 g – 2 kg €



PCS No: 02683

**PROTECT FROM FROST
FOR PROFESSIONAL USE ONLY**

IMPORTANT INFORMATION				
FOR USE AS AN AGRICULTURAL AND HORTICULTURAL INSECTICIDE				
Crops/Situations	Maximum individual dose:	Maximum number of treatments:	Maximum total dose:	Latest time of application:
Potatoes	0.16 kg/ha	2	0.32 kg/ha	14 days before harvest
Winter wheat Spring Wheat Triticale and rye	0.14 kg/ha	2	0.28 kg/ha	28 days before harvest
Apples	0.14 kg/ha	3	0.42 kg/ha	21 days before harvest
Pears	0.14 kg/ha	3	0.42 kg/ha	21 days before harvest

Other specific restrictions: In winter wheat, product should not be applied before BBCH 53.

**READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE.
FOLLOW THE PRINCIPLES OF GOOD PLANT PROTECTION PRACTICE.**

Risk and Safety Information

Teppeki	Water dispersible granules (WG) containing 500 g/kg flonicamid
	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
	Safety data sheet available on request
	To avoid risks to human health and the environment comply with the instructions for use

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, when handling contaminated surfaces and when applying with hand-held equipment.
- 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).
- 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 water with the product or its container. (Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads).
- 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.

Storage and disposal

- KEEP OUT OF REACH OF CHILDREN.
- KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.
- Store away from food and feeds.
- Store in a cool, dry place.

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 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.

TEPPEKI is a selective aphicide with activity against major aphid species on wheat, triticale, rye, apple, pears and potatoes.

Application

IMPORTANT – Product Measurement

As Teppeki 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, TRITICALE and RYE:

Control of aphids attacking the ears;

(*Macrosiphum avenae*; *Metopolophium dirhodum*; *Rhopalosiphum padi*)

Target the first application against aphids when warning systems forecast significant aphid infestation; or when the economical threshold is reached. Do not apply TEPPEKI before BBCH 53

Rate: The application rate of TEPPEKI is **0.14 kg/ha**.

Maximum total dose is 0.28 kg/ha

Water volume: 200 to 500 L/ha

Spray schedule: TEPPEKI 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**.

POTATO:

Aphids controlled: *Macrosiphum euphorbiae*, *Myzus persicae*, *Aphis nasturtii*. Target the first application when warning systems forecast significant aphid infestations

Rate: The application rate of TEPPEKI is **0.16kg/ha**.

Maximum total dose is 0.32 kg/ha

Water volume: 200 to 500 L/ha

Spray schedule: TEPPEKI 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 **14 days before harvest**.

APPLES AND PEARS:

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

Aphids controlled on Pear: *Dysaphis pyri*.

Target the first application 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 around green cluster to pink bud and in pears 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 TEPPEKI is **0.14 kg/ha**.

Maximum 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: Teppeki has a persistence of up to **21** days.

The maximum number of treatments 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

Unintended effects

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

Resistance Management Strategy:

Wheat, rye, triticale and potatoes: Do not apply more than 2 sprays of TEPPEKI per crop.

Apples and pears: Do not apply more than 3 sprays of TEPPEKI per year.

In a program of insecticides use a maximum of 2 consecutive applications of TEPPEKI on apples and pears. If further treatments are required use at least one application of an insecticide having a different mode of action to TEPPEKI before applying further TEPPEKI.

TEPPEKI 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, TEPPEKI is unlikely to give satisfactory control. Repeat treatments are likely to result in lower levels of control.

TEPPEKI 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.irac-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 TEPPEKI. 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.

TEPPEKI should be applied evenly over the crop via tractor mounted or drawn boom or air assisted 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 feedstuffs, 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 remaining equipment after use. For disposal of washings, follow appropriate procedures.

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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