

**EXTENSION OF AUTHORISATION FOR MINOR USES (EAMU)**

**INSTRUCTIONS FOR USE**

**PPP: FLIPPER (PCS No 05027)**

**CROPS:**

[Protected: Leaf vegetables, herbs and edible flowers, tree nuts, stone fruits and pome fruits, berries and small fruit, root and tuber vegetables, brassica vegetables, fruiting vegetables, bulb vegetables, legume vegetables, stem vegetables, herbal infusions and cultivated fungi, chicory, sweet peppers and chilli pepper, aubergines, gherkins, bilberry and loganberry and rubus hybrid, choi sum, lovage leaves, salad burnet, mint, oregano, parsley, sweet cicely, savory, hyssop, dwarf French bean, runner bean, mallow, angelica, balm, bay, caraway leaves, coriander leaves, dill leaves, fennel leaves and ginkgo]

[Outdoor: Leaf vegetables, herbs and edible flowers, tree nuts, stone fruits and pome fruits, berries and small fruit, root and tuber vegetables, brassica vegetables, fruiting vegetables, bulb vegetables, legume vegetables, stem vegetables and herbal infusions, bilberry and loganberry and rubus hybrid, choi sum, lovage leaves, salad burnet, mint, oregano, parsley, sweet cicely, savory, hyssop, dwarf French bean, runner bean, mallow, angelica, balm, bay, caraway leaves, coriander leaves, dill leaves, fennel leaves and ginkgo]

**For this EAMU the following crop definitions apply and include:**

**Protected cultivated fungi** – mushrooms

**Protected and Outdoor crops of-**

**Tree nuts, Stone fruits and Pome fruits include:**

Almond, chestnut, hazelnut, walnut, apricot, cherry, peach and plum, apple, pear and quince

**Berries and small fruit include:**

Wine grapes, strawberries, blackberry, raspberry, blueberry, cranberry, blackcurrant and redcurrant, gooseberry, rose hips, mulberry, elderberry, bilberry and loganberry and rubus hybrid.

**Fruiting vegetables includes:**

Courgette, pumpkin and sweetcorn

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**Brassica vegetables include:**

Broccoli / calabrese, cauliflower, Brussels sprout, cabbage, oriental cabbage, collard, kale, kohlrabi, choi sum.

**Leaf vegetables, herbs and edible flowers include:**

lamb's lettuce, lettuce, endive, land cress, cress, watercress in propagation, red mustard, rocket, baby leaf crops, spinach, purslane, spinach beet, lovage leaves, salad burnet and celery leaves, chervil, chives, rosemary, sage, basil, , edible flowers, tarragon, thyme, marjoram, mint, oregano, parsley, sweet cicely, savory, hyssop

**Legume vegetables include:**

Beans (without pods), peas (with pods), lentil (fresh), dwarf French bean, runner bean

**Stem vegetables includes:**

Asparagus, celery, Florence fennel, globe artichoke, leek, rhubarb.

**Herbal infusions include:**

Chamomile, hibiscus flowers, jasmine flowers, lime flowers, rose petals, mallow, strawberry leaves, valerian, ginseng, angelica, balm, bay, caraway leaves, coriander leaves, dill leaves, fennel leaves and ginkgo

**Outdoor crops of-**

**Root and tuber vegetables include:**

Beetroot, carrot, celeriac, horseradish, Jerusalem artichoke, parsnip, parsley root, radish, salsify, swede and turnip.

**Bulb vegetables include:**

Onion, garlic, spring onion and shallot.

This approval provides for the use of the product **FLIPPER (PCS No 05027)** in respect of, the crops and situations as listed above, which are extra to those specified on the product label.

The conditions of application outlined below are statutory. They must be complied with when availing of this extension for minor uses.

The instructions provided in this extension for minor uses must be used in conjunction with information provided on the approved product label.

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Failure to abide by the conditions of approval specified below or on the product label may constitute a breach of the product approval.

**Reference Date: 07.07.20.** [Includes latest changes. This version should be used until updated]

*Product name:* FLIPPER  
*Active Substance:* Fatty acids (Potassium salts)  
*Formulation:* 479.8g/L EW  
*Authorisation Holder:* Alpha BioPesticides Limited  
*Marketing Company:* Alpha BioPesticides Limited  
*PCS No:* 05027  
*User type/Function:* Professional Use Only / Insecticide & acaricide.

*Application:*

<b>Crop:</b>	<b>Max Individual dose.</b>	<b>Max number of applications</b>	<b>Max. total dose</b>	<b>Minimum interval between applications</b>	<b>Latest time of application</b>	<b>Target:</b>
Protected: Aubergine, gherkin & pepper	1.6 L per 100 L water. To a max of 16 L/ha	5 per crop	80 L/ha	7 days	n/a	Whitefly, aphid & 2 spotted spider mite
Outdoor: Root and tuber vegetables, bulb vegetables, brassica vegetables and legume vegetables, leaf vegetables, herbs and edible flowers, herbal infusions and courgette, pumpkin, sweetcorn.	5 L/ha	9 per crop	45 L/ha	See specific restrictions	n/a	Aphid, thrip, spider mite

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Protected: brassica vegetables, stem vegetables and legume vegetables, leaf vegetables, herbs and edible flowers, herbal infusions and courgette, pumpkin, sweetcorn. and chicory	10 L/ha	8 per crop	80 L/ha	See specific restrictions	n/a	Aphid, thrip, spider mite
Protected & outdoor: Tree nuts, stone fruits & pome fruits	10 L/ha	8 per crop	80 L/ha	See specific restrictions	n/a	Aphid, spider mite & blossom weevil
Protected & outdoor: Berries and small fruit	10 L/ha	8 per crop	80 L/ha	See specific restrictions	n/a	Aphids ( <i>Aphididae</i> ) , two spotted spider mite ( <i>Tetranych us urticae</i> ), Western Flower Thrip ( <i>Frankliniell a occidentalis</i> ) , leaf hoppers, Strawberry blossom weevil ( <i>Anthonum us rubi</i> ), Thrips ( <i>Thrips tabaci</i> )

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Cultivated fungi	1.6mL per 62.5mL water per m/sq.	5 per crop	8mL/m/sq	See specific restrictions	n/a	<i>Sciaridae</i> <i>Phoridae</i>
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*Other specific restrictions:*

- (1) To avoid risks to human health & the environment comply with the terms of this approval in conjunction with the directions for use on the product label.
- (2) For any individual crop the maximum total dose refers to the total dose of any product containing the same active ingredient.
- (3) Application may be applied by: Knapsack/handheld sprayer, tractor mounted boom sprayer, specialised application equipment, [Broadcast air assisted for nuts, stone and pome fruits] & gantry sprayer only.
- (4) Post application do not allow unprotected persons to enter treated areas until the crop is completely dry & has been well ventilated.
- (5) **For leaf vegetables, herbs and edible flowers and herbal infusions:** Application must only be made between 1 March and 30 August when applying to crops grown outdoors and under temporary protection. A minimum interval of 7 days must be observed between applications and a minimum interval of 28 days must be observed between each block of 3 applications. The use of this product in a glasshouse may result in dilute pesticide waste that requires disposal. All dilute pesticide waste must be disposed of safely and legally to protect humans, wildlife and the environment, especially groundwater and surface water. Application is to be made using high-volume broadcast spray equipment, conventional hydraulic boom applicators or hand-held sprayers to outdoor crops in 300-500 litres water per hectare and to protected crops in 400-1000 litres water per hectare.
- (6) **For tree nuts, stone fruits and pome fruits:** Application must only be made between 1 March and 30 August when applying to crops grown outdoors and under temporary protection. Users must not allow direct spray from such sprayers to fall within 20m of the top of the bank of any static or flowing waterbody or within 5m of a ditch which is dry at the time of application. A minimum interval of 7 days must be observed between applications and a minimum interval of 28 days must be observed between each block of 3 applications. Application is to be made using broadcast air assisted fruit tree sprayers in 400-1000 litres water per hectare.
- (7) **For berries and small fruits:** Application is to be made using high-volume broadcast spray equipment, conventional hydraulic boom applicators or hand-held sprayers to outdoor crops in 400-1000 litres water per hectare and to protected crops in 400-1000 litres water per hectare. Application must only be made

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between 1 March and 30 August when applying to crops grown outdoors and under temporary protection. A minimum interval of 7 days must be observed between applications and a minimum interval of 28 days must be observed between each block of 3 applications.

- (8) **For root and tuber vegetables, bulb vegetables, fruiting vegetables, brassica vegetables, stem vegetables and legume vegetables:** Application is to be made using high-volume broadcast spray equipment, conventional hydraulic boom applicators or hand-held sprayers to outdoor crops in 300-500 litres water per hectare and to protected crops in 400-1000 litres water per hectare. Application must only be made between 1 March and 30 August when applying to crops grown outdoors and under temporary protection. A minimum interval of 7 days must be observed between applications and a minimum interval of 28 days must be observed between each block of 3 applications.
- (9) **For cultivated fungi:** Apply one drench application if required pre casing, thereafter, apply one application after casing and then between flushes as required.
- (10) The use of this product applied above recirculating water systems in a glasshouse may result in dilute pesticide waste that requires disposal. All dilute pesticide waste must be disposed of safely and legally to protect humans, wildlife and the environment, especially groundwater and surface water. For inorganic media treated within a glasshouse, any dilute pesticide waste in the growing media must be disposed of correctly.
- (11) Reasonable precautions must be taken to prevent access of birds, wild mammals and honeybees to treated crops.
- (12) To minimise airborne environmental exposure, vents, doors and other openings must be closed during and after application until the applied product has fully settled.
- (13) For environmental information refer to the product label but specifically: To protect aquatic organisms respect an unsprayed buffer zone of 1m to surface water bodies. (20 m for orchard blast air assisted sprayers and 10 meters for soft fruits) Aim spray away from water.
- (14) This approval extends to professional use only.
- (15) For operator protection refer to the product label in conjunction with the specific restrictions above.
- (16) Adverse effects: Approval holders must immediately submit any new information on the potentially dangerous effects of a product or residues of an active substance contained in a product, on human or animal health, or the environment.

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*Advisory information:*

This approval relates to the use of Flipper as a horticultural insecticide and acaricide for use on the crops and situation above for the Preventative control of Whitefly (*Trialeurodes vaporariorum*, *Bemisia tabaci*, *Aleurothrixus floccosus*), aphid (*Myzus persicae*, *Macrosiphum euphorbiae*, *Aphis gossypii*) and two-spotted mite (*Tetranychus utricae*) Western Flower Thrip (*Frankliniella occidentalis*), thrips (*Thrips tabaci*) Blossom weevil, leaf hoppers.

All protected uses include temporary protection and permanent protection with full enclosure.

*Resistance Management:*

Total reliance on one pesticide will hasten the development of resistance. Pesticides of different chemical groups or alternative control measures should be included in the planned anti-resistance strategy. This product should be used in rotation with pesticides from different cross-resistant groups, different mode of action with satisfactory efficacy against the target.

FLIPPER contains Fatty acids (Potassium salts C14-C20)

**IMPORTANT PLEASE NOTE:**

Prior to the use of this product, growers should take advice from their crop advisors particularly in relation to the use of this product within an integrated crop management system of production.

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