

**EXTENSION OF AUTHORISATION FOR MINOR USES (EAMU)****INSTRUCTIONS FOR USE****PPP: Karate Zeon (PCS No. 04084)**

CROPS: Outdoor crops of: Baby leaf\*, beetroot, blackcurrant, celeriac, celery, garlic, gooseberry, herbs\*\*, horseradish, Jerusalem artichoke, leek, bulb onion, salad onion, parsley root, radish, redcurrant, salsify, shallot, spinach, strawberry, swede, sweetcorn, turnip, whitecurrant.  
Protected crops of strawberry.

For this EAMU the following crop definitions apply:

\*Baby leaf production includes leaves of lettuces, spinach and leafy brassicas harvested up to 8 true leaves.

\*\* Perennial herbs {*Agastache spp*: angelica, balm, bay, burnet (salad), catnip, chamomile, chives, clary sage, dragonhead, fennel, horehound, hyssop, land cress, lavandin, lavender, lemon verbena, lovage, marjoram, mint, nettle, oregano}, {*Origanum heracleoticum spp*: plantain, rosemary, rue, sage, sorrel, spike lavender, St john's Wort, tarragon, thyme, woodruff, yarrow}

Annual herbs: {basil, Borage, caraway, chervil, coriander, curry plant, dill, fenugreek, feverfew, marigold, nasturtium, parsley, rocket (Rucolla), savory, violet}

This approval provides for the use of the product **Karate Zeon (PCS No. 04084)** 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.

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: 31.07.18.** [Includes latest changes. This version should be used until updated]

***There is limited evidence of crop safety and/or product efficacy available for this extension of authorisation for minor uses and the commercial risk of using this product on the crops/situations listed in this document is borne entirely by the grower.***

*Product name:* Karate Zeon

*Active Substance:* Lambda-cyhalothrin

*Formulation:* 100g/l CS

*Authorisation Holder:* Syngenta UK Ltd.

*Marketing Company:* Syngenta Ireland Ltd.

*PCS No:* 04084

*User type/Function:* Professional Use Only / Insecticide.

**Application:**

Crop	Max. individual dose	Max. number of applications	Max. total dose	Min. interval between applications	Latest time of application	Target
Field baby leaf production (up to 8 true leaves) & field herbs	75 ml/ha (min 400L water/ha)	4	150 ml/ha	10 days	7 days pre-harvest	Cutworms
Field spinach	75 ml/ha (min 400L water/ha)	4	150 ml/ha	10 days	7 days pre-harvest	Cutworms
Field celery	50 ml/ha (min 300L water/ha)	4	150 ml/ha		7 days pre-harvest	Silver y moth caterpillars, Carrot fly
Beetroot, horseradish, jerusalem artichoke, celeriac, parsley root, radish, salsify, swede, turnip	150 ml/ha (min 300L water/ha)	4	450 ml/ha		14 days pre-harvest	Carrot fly, cabbage fly
Outdoor blackcurrant, redcurrant, whitecurrant & gooseberry	100ml/ha (min 300L water/ha)	4	200 ml/ha	10 days	14 days pre-harvest	Sawfly, leaf curling midge

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Outdoor crops of bulb onion, garlic & shallot	75 ml/ha (min 300L water/ha)	3	225ml/ha		21 days pre-harvest	Aphid, flee/pollen beetle, cutworm, leaf minor, caterpillar & whitefly
Outdoor salad onion	75 ml/ha (min 300L water/ha)	2	150 ml/ha		14 days pre-harvest	Aphid, flee/pollen beetle, cutworm, leaf minor, caterpillar & whitefly
Outdoor leek	100ml/ha (min 300L water/ha)	2	200 ml/ha		7 days pre-harvest	Aphid, flee/pollen beetle, cutworm, leaf minor, caterpillar & whitefly
Protected strawberry	75 ml/ha (min 300L water/ha)	4	150ml/ha	12 days	3 days pre-harvest	Capsid
Outdoor strawberry	125 ml/ha (min 300L water/ha)	4	250 ml/ha	14 days	3 days pre-harvest	Capsid
Sweetcorn	100 ml/ha (min 100L water/ha)	4	400 ml/ha	7 days	7 days pre-harvest	Frit fly, aphids

*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 only be made using a tractor mounted sprayer, knapsack, hydraulic nozzle applicator or orchard sprayer.
- (4) Post application no unprotected person should enter the treated area until the application had dried & the area has been well ventilated.
- (5) For blackcurrant, redcurrant, whitecurrant & gooseberry, the maximum spray concentration must not exceed 17.5ml of product per 100 litres of water. Spray to run-off.
- (6) This approval extends to professional use only.

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- (7) For environmental information refer to the product label but specifically: To protect aquatic organisms respect an unsprayed buffer zone of 5 metres to surface water bodies from horizontal boom sprayers. To protect aquatic organisms respect an unsprayed buffer zone of 25 metres from broadcast air-assisted sprayers Aim spray away from water. Growers may be eligible to reduce the buffer zone under the PRCD STRIPE Scheme.
- (8) For operator protection refer to the product label.
- (9) 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.

*Advisory information:*

This approval relates to the use of Karate Zeon as an agricultural/horticultural insecticide for the crops & situations listed above.

Resistance Management:

Use Karate Zeon as part of an Integrated Crop Management (ICM) strategy. 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 conjunction with other insecticides from different cross-resistant groups [different mode of action, IRAC group] with satisfactory efficacy against the target. Karate Zeon contains Lambda-cyhalothrin IRAC class: 3A.

*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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