

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

**INSTRUCTIONS FOR USE**

**PPP: Perseus (PCS No. 06476)**

**CROPS:**

Outdoor grown: Parsnip, beetroot, celeriac, Jerusalem artichoke, parsley root, horseradish, radish, salsify, turnip, swede, escarole, lamb's lettuce, baby leaf crops, herbs, spinach, spinach beet, courgette, pumpkin, squash, leek, salad onion, peas with pods, beans with pods, dwarf French bean and runner bean

For this EAMU the following crop definitions apply:

\*Baby leaf production includes: baby leaf brassicas up to 8 true leaves

\*Herbs includes: angelica, balm, basil, bay, caraway leaves, celery leaves, chervil, chives, clary sage, coriander leaves, dill leaves, edible flowers, fennel leaves, hyssop, lemon grass, lovage, marjoram, mint, oregano, parsley, rosemary, sage, savory, sweet cicely, tarragon, thyme.

This approval provides for the use of the product **Perseus (PCS No. 06476)** 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: 11.3.22.** [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:** Perseus.

**Active Substance:** Fluxapyroxad & Difenoconazole

**Formulation:** 75g/l + 50g /l SC

**Authorisation Holder:** BASF plc

**Marketing Company:** BASF Ireland Ltd

**PCS No:** 06476

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

**Application:**

Crop	Max. individual dose	Max. number of applications	Max. total dose	Minimum interval between applications	Latest time of application	Target
Outdoor: * Escarole, lamb's lettuce, baby leaf crops, herbs, spinach, spinach beet	2.0 L/ha	See specific restriction No. 3	2.0 L/ha	7 days	GS 49 14 days before harvest	<i>Rhizoctonia solani</i> , <i>Sclerotinia sclerotiorum</i> , <i>Sclerotinia minor</i> , Fungal leaf spot diseases
Parsnip, beetroot, celeriac, Jerusalem artichoke, parsley root	2.0 L/ha	-	2.0 L/ha	7 days	GS 49 7 days before harvest	<i>Alternaria</i> spp, powdery mildew, <i>Sclerotinia sclerotiorum</i>
Horseradish, radish, salsify, turnip, swede	1.0 L/ha	-	2.0 L/ha	7 days	GS 49 7 days before harvest	<i>Alternaria</i> spp, powdery mildew
Outdoor: Courgette, pumpkin and squash.	0.6 l/ha	See specific restriction 6	1.8 l/ha	3 days	GS 89 3 days before harvest	Powdery mildew
Outdoor: Leek, salad onion	1.0 L/ha	-	1.0 L/ha	7 days	GS 49 14 days before harvest	<i>Alternaria</i> , rust

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Crop	Max. individual dose	Max. number of applications	Max. total dose	Minimum interval between applications	Latest time of application	Target
Peas with pods, beans with pods, dwarf French bean, runner bean	2.0 L/ha	1 per crop	2.0 L/ha	N/A	GS 89 7 days before harvest	<i>Sclerotinia</i> , leaf spot, Pod spot, bean rust

*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) To protect groundwater, for use on Escarole, lamb's lettuce, baby leaf crops, herbs, spinach and spinach beet the maximum total dose of difenoconazole must not exceed 250g per hectare per year.
- (4) Application by tractor mounted/trailed/horizontal boom sprayer or handheld sprayer only.
- (5) Post application, do not allow unprotected persons to enter treated areas until the crop is completely dry & has been well ventilated.
- (6) The total number of applications of Perseus and other SDHI containing products should make up no more than half (50%) of the total number of fungicides per season. No more than two consecutive applications of a SDHI fungicide should be applied.
- (7) For environmental information refer to the product label but specifically: To protect aquatic organisms respect an unsprayed buffer zone of 5m to surface water bodies from tractor mounted/trailed sprayers. To protect aquatic organisms respect an unsprayed buffer zone of 1m to surface water bodies from knapsack sprayers. Aim spray away from water. Growers may be eligible to reduce the buffer zone under the PRCD STRIPE Scheme.
- (8) This approval extends to professional use only.
- (9) For operator protection refer to the product label in conjunction with the specific restrictions above.
- (10) 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 Perseus as a horticultural fungicide for the control of the diseases in the crops and situations listed above.

For parsnip:

The carrot advice from BASF indicated the following.

Apply Perseus as a protectant spray or at first sign of disease, after nine leaves have developed in 200 to 800 litres of water.

The carrot advice also indicates the following:

For the control of powdery mildew, apply Perseus at 0.6 l/ha

For control of Alternaria, apply at 1.0 l/ha

For reduction of sclerotinia apply at 2 l/ha

*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 conjunction with other fungicides from different cross-resistant groups [different mode of action, FRAC group] with satisfactory efficacy against the target.

Perseus contains Fluxapyroxad and Difenoconazole.

Fluxapyroxad is classed FRAC group: 7 SDHI fungicides.

Difenoconazole is classed FRAC group 3 Triazole SBI fungicides.

*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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