

bioagri

CEDOMON

Cedomon is a seed treatment product against fungal pathogens in barley and oats. All other use is unauthorized. Cedomon can be used in organic farming. For professional treatment at closed industrial facility. All other use is prohibited unless specifically permitted.

- ◆ EUH401: To avoid risks to human health and the environment, comply with the instructions for use.
- ◆ SB012: Micro-organisms may have the potential to provoke sensitizing reactions.
- ◆ P284 Wear respiratory protection.
- ◆ P280: Wear protective gloves.
- ◆ P302+352: In case of skin contact wash affected skin areas thoroughly with soap and water.

Fungicide (FU):	Reg. nr: 4234
Content:	Emulsion (ES). 1000 L.
Aktive ingredient:	<i>Pseudomonas chlororaphis</i> , MA 342. 12 weight-%.
Batch nr:	See separate marking.
Use before:	See separate marking.
Empty container:	Dispose of this material and its container to hazardous or special waste collection point. Empty 1000 l packages shall be returned.
Storage:	+4°C to +8°C.

Producer and approval holder

Lantmännen BioAgri AB
Fågelbacksvägen 3
SE-756 51 Uppsala
SWEDEN
Phone: + 46 18 67 49 00
www.bioagri.se

1. Product information

Preparation: Fungicide, seed treatment product

Active ingredient:	<i>Pseudomonas chlororaphis</i> MA 342. 12% w/w
Formulation:	Emulsion (ES)
Packages:	1000 L
Storage:	+4°C to +8°C

2. Conditions for use

Marking of packages with treated seeds:

Seeds treated with CEDOMON reg nr 4234

Active ingredient: *Pseudomonas chlororaphis* MA 342. 12 weight-%.

Dispose of this material and its container to hazardous or special waste collection point.

Treated seeds shall not be used as food or feed.

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- ◆ SB012: Micro-organisms may have the potential to provoke sensitizing reactions.
- ◆ P284: Wear respiratory protection.
- ◆ P280: Wear protective gloves.
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3. Restrictions

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4. Instructions for use

Mode of action

Cedomon is a biological seed treatment product. The active ingredient *Pseudomonas chlororaphis* compete with the plant pathogens for space and nutrients on the seeds and induce a resistance reaction in the plant. The bacteria also produce small amounts of antifungal substances. The bacterial cells are entering a resting stage on the seeds after treatment and are activated when seed germinates. Treated seeds can be stored with maintained effect against diseases for one year.

Resistance

As the mode of action is based on several mechanisms the risk for resistance is very low. No special actions have to be taken into consideration.

Optimal treatment conditions

Seed treatment shall be done in equipment that allows an even distribution of the product on the seed surface. The seeds shall be of good quality with an even size distribution and free from other materials.

Doses

Crops: Barley and oats.

Dose: 0,75 l/100 kg seed (= 7,5 L/ ton)

Up to 2 times over exposure have not proved to damage the crop. Make sure that a lower dose than mentioned above is not applied.

Working instructions

Cedomon can be applied with common seed treatment machines designed for continuous wet and batch treaters designed for liquids. A list of machines suitable for Cedomon could be provided by Lantmännen BioAgri AB on request.

The seed treatment machine should be carefully cleaned by rinsing with hot water and detergent, flushed with hot water and calibrated before the seed-treatment takes place.

In order to keep the product free from contaminants, do not put dirty things into the package or let the package stay open longer than necessary.

Cleaning of the seed-dressing machinery

The machine should be flushed with hot water and detergent. The waste water needs no special precautions. Waste water that contains residues from other pesticides than Cedomon should be handled as stated on the actual pesticides safety data sheet.

Personal protection equipment

When handling the product or treated seeds use protective gloves and breathing protection.

In case of skin contact wash affected skin areas thoroughly with soap and water

Waste and empty packages

Containers and waste product should be treated in accordance to local regulations. Empty containers could be returned to the producer.

Storage

Cedomon shall be stored at + 4° C to + 8° C. The product may be damaged if it is allowed to freeze.

The use-before-date is only valid for packages with unbroken seals. Storage of partially emptied container shall be avoided. In order to keep the product free from contaminants, the equipment for mixing or pumping should be sterilized with ethanol before it is used. Partly used product should be stored under refrigerated conditions in its original package and used as soon as possible.

Treated seeds should generally not be stored for periods longer than 1 year before use when storage conditions are optimal.

Mixing with other seed treatment products

Contact Lantmännen BioAgri AB for information.

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