



REPUBLIC OF ESTONIA
AGRICULTURE AND FOOD BOARD

Insecticides, sown areas and more problematic pests in Estonia

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14th April 2020

Topics

- Currently authorised insecticides in Estonia
- Sown areas in years 2019 and 2020
- Most problematic pests in Estonia

Currently authorised insecticides in Estonia

- 23 approved products on the market
- 9 products deleted from registry but have grace period for use
- Total 32 products for users to use
- 3 are systemic products
- 29 are contact insecticides

Approved product substances

- Deltamethrin
- Tau-fluvalinate
- Zeta-cypermethrin
- Lambda-cyhalothrin
- Abamectin
- Fatty acids C14-C20
potassium salts
- Cypermethrin
- (E,E)-8,10-Dodecadien-1-ol with (Z)-11-tetradecenyl acetate
- Spirodiclofen
- Indoxacarb
- Paraffin oil
- Azadirachtin A

Grace period product substances

- Cypermethrin
- Zeta-cypermethrin
- Alpha-cypermethrin
- Beta-cyfluthrin
- Thiamethoxam
- Imidacloprid

Sown areas

Utilised agricultural area
in 2019: 988410 ha

Major crops in Estonia:

- Spring and winter wheat
- Winter rye
- Spring barley
- Spring oat
- Winter and spring oilseed rape
- Winter and spring turnip

rape

Utilised agricultural area
in 2020: 985456 ha

- Potato
- Maize
- Peas
- Grasses
- Forage leguminous plants

Main sown areas 2019 and 2020

Culture	2019 (ha)	2020 (ha)
Grasses	418692	410814
Cereals	364364	370120
Rape and trunip rape seeds	72411	70926
Legumes	42954	49535
Maize	13713	13596
Fruits and berries	6364	4032
Potato	5336	3639
Vegetabeles	3960	2874

Main cereals 2019 and 2020

Culture	2019 (ha)	2020 (ha)
Winter wheat	115377	117951
Spring barley	106217	108287
Spring wheat	51607	50087
Oat	37258	41027
Winter barley	17161	22439
Rye	28901	20689
Triticale	5886	5944

Rape seed, turnip rape seed, field pea and bean 2019 and 2020

Culture	2019 (ha)	2020 (ha)
Winter rape and turnip rape seeds	51436	57312
Spring rape and turnip rape seed	20974	13614
Field pea	31835	35641
Field bean	11058	13833

Most problematic pests in Estonia

- Cereals: Thrips (Thripidae), Aphids, Frit fly (*Oscinella frit*) and Barley flea beetle (*Phyllotreta vittula*)
- Rape and turnip rape seed: Blossom beetle (*Meligethes* spp), Stem weevil (*Ceuthorrhynchus pallidactylus*), Cabbage gall weevil (*Ceuthorrhynchus assimilis*), Ground fleas (*Phyllotreta* spp) and Cabbage moth (*Plutella maculipennis*)

Most problematic pests in Estonia

- Potato: Aphids, wireworm (*Agriotes lineatus*, *Agriotes obscurus*) Potato root nematode (*Ditylenchus destructor*)
- Field pea and bean: Bean beetle (*Bruchus rufimanus*), Pea moth (*Laspeyresia nigricana* ja *L. dorsana*), Pea weevil (*Sitona* spp.)

Most problematic pests in Estonia

- Vegetables: Aphids, Thrips (Thripidae), Spider mites (*Tetranychus urticae*), Turnip root fly (*Delia floralis*), Cabbage maggot (*Delia brassica*), Carrot fly (*Chamaepsila rosae*)
- Fruits and berries: Aphids, Thrips (Thripidae) Spider mites (*Tetranychus urticae*), Raspberry beetle (*Byturus tomentosus*), Strawberry blossom weevil (*Anthonomus rubi*), Capsid bugs (*Lygus* spp.) and Strawberry mite (*Phytonemus pallidus*).



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Thank you!

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