

# Nettle extract



Insecticide, acaricide, fungicide action



## COMPOSITION

Urtica spp. nettle aqueous extract (*Urtica dioica* and *Urtica urens*)

Cas No 84012-40-8

Purity European Pharmacopeia

Appearance  
Liquid

Application  
Foliar

Packaging  
5 Kg

## DESCRIPTION

*Urtica dioica* is one of the most commonly-used medicinal plants in the world, due to their health-enhancing qualities, because of the high content of nutritive substances.

Nettle extract provides plants with a nutritional input high in chlorophyll, flavonoids, tannins, mineral salts (iron, sulfur, manganese, calcium, nitrogen, potassium) and carotenes. It also provides natural hormones, which contribute to the vitality of the plant where the extract is applied. At the same time, it is rich in formic and histamine acids, which is released through a low temperature infusion or cold maceration.

Nettle extract, obtained by maceration of two varieties of nettle (*Urtica dioica* and *Urtica urens*) protects plants and increases chlorophyll synthesis in them, thus improving their photosynthetic efficacy.

It is especially suitable for fruit trees, vegetables and vine crops.

It's used as insecticide, acaricide and fungicide, for Spray applications or Soil covering (mulch) by the European Union. It is a formulation capable to control aphids and other insects, as well as important fungal diseases.

## DOSES AND METHOD OF USE

As insecticide		
Crops	Pathogen	Doses
Apple tree, Plum tree, Peach tree, Ribes, Walnut tree, Cherry tree	Peach-potato aphid ( <i>Myzus persicae</i> , <i>Macrosiphum rosae</i> ) woolly apple aphid ( <i>Eriosoma lanigerum</i> ) Currant aphid ( <i>Cryptomyzus ribis</i> ) Walnut aphid ( <i>Callaphis juglandis</i> ) Black cherry aphid ( <i>Myzus cerasi</i> )	4,5 - 67,5 kg/ha From 1 to 5 treatments (until BBCH 87)
Bean	Black bean aphid ( <i>Aphis fabae</i> )	4,5 - 37,5 kg/ha From 1 to 5 treatments (until BBCH 89)

Potato	Green aphid ( <i>Myzus persicae</i> )	4,5 - 50 kg/ha From 1 to 5 treatments (until BBCH 49)
Leaf Vegetables Lettuce, Cabbage	Cabbage aphid ( <i>Brevicoryne brassicae</i> ), Currant-lettuce aphid ( <i>Nasonovia ribisnigri</i> )	4,5 - 37,5 kg/ha From 1 to 5 treatments (until BBCH 19)
Elder tree	Elder aphid ( <i>Aphis sambuci</i> )	6 - 60 kg/ha From 1 to 5 treatments spring/summer
Rose	Rose aphid ( <i>Macrosiphum rosae</i> , <i>Aphis spiraephaga</i> )	4,5 - 45 kg/ha From 1 to 5 treatments spring/summer
Brassicaceae Cabbage, Rapeseed, Radish	Flea beetle ( <i>Phyllotreta nemorum</i> )	4,5 - 60 kg/ha From 1 to 6 treatments (until BBCH 19)
	Diamondback moth ( <i>Plutella xylostella</i> )	4,5 - 60 kg/ha From 1 to 6 treatments (until BBCH 49)
Apple tree, Pear tree	Codling moth ( <i>Cydia pomonella</i> )	13,5 - 40,5 kg/ha 2 treatments in April 1 treatment in May

### As acaricide

Crops	Pathogen	Doses
Bean	Spider mite ( <i>Tetranychus urticae</i> )	4,5 - 45 kg/ha From 1 to 6 treatments (until BBCH 89)
Grapevine	Spider mite ( <i>Tetranychus urticae</i> , <i>Tetranychus telarius</i> )	4,5 - 54 kg/ha From 1 to 6 treatments spring/summer until BBCH 89

### As fungicide

Crops	Pathogen	Doses
Mustard, Radish	Alternaria ( <i>Alternaria spp.</i> )	4,5 - 45 kg/ha From 1 to 6 treatments spring/summer until BBCH 49
Cucumber	Oidio ( <i>Erysiphe polygoni</i> ) Alternariosi ( <i>Alternaria alternata</i> )	4,5 - 45 kg/ha From 1 to 6 treatments spring/summer until BBCH 89
Apple tree, Plum tree, Cherry tree	Leaf spot ( <i>Alternaria alternata</i> ) Brown Rot ( <i>Monilia laxa</i> ) Grey mould ( <i>Botrytis cinerea</i> ) Black bread mold ( <i>Rhizopus stolonifer</i> )	4,5 - 81 kg/ha From 1 to 6 treatments spring/summer until BBCH 87
Grapevine	Downey mildew ( <i>Plasmopara viticola</i> )	4,5 - 54 kg/ha From 1 to 6 treatments spring/summer until BBCH 89
Potato	Potato blight ( <i>Phytophthora infestans</i> )	4,5 - 45 kg/ha From 1 to 6 treatments spring/summer until BBCH 49

Doses refer to those officially published in the Reports by EFSA