

Efficiency of action

Application guidelines

1 or 2 procedures will be sufficient;

Ecological advantages

Active ingredients

Principle of action

Bacillus thuringiensis

Preparative form

Terms of storage

in sealed container under the roof

spraying procedures upon first disease manifestations

provoke contamination of soil and water bodies

3 months within temperature range +4 to +15°C

complex of bacteria Bacillus thuringiensis

For potato crops

For cabbage

THE NATIONAL ACADEMY OF SCIENCES OF BELARUS



It damps deleterious effect of various pests by 85-95% and inhibits progress of Phytophthora, Alternaria, Phoma infections by **85-90%** resulting in increased potato and cabbage productivity – the average harvests rise by **60-90 c/ha** and **120-135 c/ha**, respectively

Xantrel dosage: 6 I of concentrate (300 I of working solution) per 1 hectare.

with 2% Xantrel solution; initially for preventive purpose, followed later by therapeutic operations, if required. The number of treatments -3-4;

Xantrel use enables to yield eco-friendly products and reduce pesticide stress on agrobiocenoses. The product is not phytotoxic, safe for humans and animals. Field trials failed to reveal lethal impact of Xantrel on

beneficial insects (honey bees, larvae of Chrysopidae and lady-bird beetle). It will not generate toxic agents in the air and effluents, will not

Spores and metabolites of bacteria Bacillus subtilis and spore-crystalline

Is based on antagonistic relations between bacteria Bacillus subtilis and phytopathogenic microorganisms and entomocidal activity of bacteria

-Recommended treatment to dispose of Colorado beetle larvae: sprinkling with 2% Xantrel working solution throughout vegetation period.

-Anti-Phytophthora treatment: spraying of vegetating potato plants

-Control of leaf-eating pests: sprinkling with 2% Xantrel solution in the course of vegetation period. Estimated frequency of treatments - 2-3; -treatments to suppress Alternaria and Phoma infections: 2-3

Complex biopreparation

to control Phytophthora infection and Colorado beetle invasion in potato crops, Alternaria leaf spot and dry rot pathogens, cabbage moth and turnip white butterfly attacks in cabbage fields

Advantages

Application of complex biopesticide Xantrel allows to alleviate hemical pressure on cultivars and reduce the number of treatments, owering thereby the ultimate cost of eco-friendly agroproducts. In biological efficiency Xantrel matches the recognized foreign analogs with narrow spectrum of action - either pathogen-specific or pestspecific





Colorado beetle larvae before and after Xantrel trearment





Alternaria leaf spot

Phoma dry rot



larvae of cabbage moth and turnip white butterfly

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Liquid

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Phytophtora tuber rot



