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Kinfos, EC

emulsion concentrate

dimethoate 300 g/l + beta-cypermethrin 40 g/l

Intestinal contact insecticide against pests on plantings of cereal crops, sugar beet, potato and other crops.

Advantages:

- Two components with different mode of action
- Synergy of two active ingredients enhance toxic effect of the preparation
- Prolonged protective period
- Highly efficient against resistant kinds of insects

Action

Mode of action

Neurotoxic insecticide containing pyrethroid and organophosphorous components. Beta-cypermethrin affects the nervous system of insects causing irreversible activation of sodium channels in nerve cell membranes. Dimethoate inhibits enzymes responsible for metabolism of beta-cypermethrin into non-toxic components in the insect"s organism.

Protective period

Protective period - min. 14 days depending on the kind of insect pest and weather conditions.

Speed of action

High speed of toxic effect.

Spectrum of action

Zabrus tenebrioides, Eurygaster integriceps, Oulema, potato beetle, acridoid grasshoppers, etc.

Compatibility

Compatible with most insecticides and fungicides, except strongly alkaline formulations. Perform a small-scale compatibility test at recommended rates before large-scale use.

Resistance

None.

Usage regulations

Crop / object of treatment	Harmful object	Preparation consumption rate, l/ha	Mix consumption rate, l/ha	Method, time and conditions of application. Application time for manual (machinery assisted) operations	Wait time (application frequency)
Wheat	Zabrus tenebrioides	0.5	100-200	Treatment of sprouts 4(4)	30(1)

Eurygaster integriceps	0.15-0.25	200-400	Treatment during vegetation period 4(4)		
Barley, oats	Oulema	0.15-0.2		200-400	
Potato	Potato beetle	0.15-0.2	200-400	Treatment during vegetation period 4(4)	20(1)
Pastures, areas inhabited by acridoid grasshoppers	Acridoid grasshoppers	0.3-0.4	200-400	Treatment at larva development stage. Access to treated areas allowed not earlier than 4 days after treatment 4(4)	-(1)
Sugar beet	Beet flea beetles and weevils	0.25-0.4	100-200	Treatment of sprouts 4(4)	40(2)
	Beet stalk borer	0.25-0.4	200-300	Treatment during vegetation period 4(4)	
	Beet leaf aphid, sod webworms	0.25	200-300	Treatment during vegetation period 4(4)	

Soybeans	Soybean seed worm, sod webworm	0.3	200-400	Treatment during vegetation period 4(4)	21(1)
	Common red spider	0.25-0.4			
Sunflower	Sod webworm	0.25-0.4	100-200	Treatment of sprouts 4(4)	60(2)
	Cut worms	0.25	200-400	Treatment during vegetation period 4(4)	
	Cabbage and cotton cutworms	0.25-0.4	200-400		
Maize	Sod webworm	0.25-0.4	100-200	Treatment of sprouts 4(4)	
	Cut worms	0.25	200-400	Treatment during vegetation period 4(4)	
	Cotton cutworm, maize stem worm, frog-flies	0.25-0.4	200-400		
Pea	Pea beetle, pea seedworm, greenflies	0.25-0.4	200-300	Treatment during vegetation period 4(4)	21(1)

Chickpea	Cotton cutworm, chickpea fly	0.25-0.4	200-300	Treatment during vegetation period 4(4)	21(1)
Apple tree	Apple worm, leaf rollers	0.4-0.5	800-1200	Treatment during vegetation period 4(4)	21(2)
Pear tree	Pear blindworm	0.4-0.5	200-400	Treatment during vegetation period 4(4)	21(2)
Grapes	Grape leaf roller	0.4-0.5	500-1200	Spraying during the growth period 4(4)	60(2)
	Brown marmorated stinkbug	0.3-0.5			
Mandarin oranges (nurseries)	Brown marmorated stinkbug	0.3-0.5	500-1200	Spraying during the growth period 4(4)	-(3)

Application technique

Prepare the mix immediately before use on a dedicated site that is to be disinfected afterwards.

Fill the sprayer tank with water to 1/2 and add full preparation dose. Top up with water until full and stir thoroughly. Rinse he empty container and pour water into the sprayer tank.

Use ground-based boom sprayers OPSh-15-01, OPSh-3-24, ON-400, OP-2000-2-01 or garden remote sprayers OPV-1200, OP-2000, OVKh-28, OZG-400, or similar.

Treat in zero wind weather in the morning or evening while ensuring uniform wetting of leaves. An interval of at least 4 hours shall be between

treatment and potential precipitation.

Phytotoxicity

No phytotoxic effect on crops recorded when used in recommended doses.

Recommendations on protection of valuable flora and fauna objects, limitations

The preparation is of high hazard to bees and fish – Hazard Class 1.

Basic provisions of the 'Guidelines for preventing bee poisoning with pesticides' and following environmental regulations:

treat plants in morning and evening;

treat plants at wind speed up to 1 or 2 m/sec;

protection boundary zone for bees – min. 4-5 km;

bee's flight time limitation – 7-8 days.

Warn apiary owners 4 or 5 days before treatment.

Do not apply the preparation within the sanitary zone of fishery water bodies 500 m away from the flood line in case of maximum floodwater level, but not closer than 2 km to the existing banks.

General information

Chemical class

organophosphates,

pyrethroids

Transport and storage conditions

Comply with all conventional rules of toxic substance transport. Keep the preparation in a room dedicated for pesticide storage. Storage temperature range - minus 10 C to plus 25 C. Stir before use.

Shelf life

2 years

Hazard class

Hazard class 3, moderate hazard

Packing

5 liter PE container

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia