



## Porfir, SC

New

suspension concentrate

Chlorantraniliprole 200 g/L

Effective insecticide for protection of fruit, vegetable and field crops against a range of pests

## Advantages:

- Unique mode of action for controlling resistant pest populations
- Exceptional insecticidal activity against scale-winged insects, hebrids and other classes of pests
- Rapid stop of insect feeding after intoxication
- Effects on all stages of insect development
- Prolonged period of protective effect
- Low risk to beneficial insects
- Aerial spraying is allowed

## Action

### Mode of action

Chlorantraniliprole is an active ingredient from the anthranilamide class and belongs to group 28 (IRAC) – ryanodine receptor modulators.

Ryanodine receptors regulate insect nervous and muscle activity by altering calcium levels in cells. Chlorantraniliprole provokes uncontrolled release of calcium ions and drastically reduces its internal stores. This causes the insects to stop contracting their muscles, resulting in paralysis. Within minutes of eating the poisoned food, the insects stop feeding. Death is observed within 2–4 days.

**Protective effect period**

Not less than 14 days.

**Rate of exposure**

Pests cease feeding within 1–4 hours after application; mortality occurs within 2–4 days.

## Usage regulations

Crop	Harmful object	Product application rate, L/ha	Working liquid consumption rate, L/ha	Method, time of treatment, restrictions	Safety interval (number of applications)
Potato	Colorado potato beetle	0.04-0.05 0.04-0.05(A)	200-400 25-50 (A)	Spraying during the growth period	5 (2)
Apple trees	Apple worm, leafrollers	0.15-0.3	600-1,200		21(3)
Grapes	European grapevine moth	0.15-0.25	500–1,000		
Open ground tomatoes	Cotton budworm	0.15-0.2 0.15-0.2(A)	200-400 25-50 (A)		21(2)

Maize	Cut worms	0.1-0.15	100-200	Spraying sprouts	7(2)
	European corn borer, cotton budworm, sod webworm	0.1-0.15 (A)	200-400 25-50 (A)	Spraying during the growth period	
Sunflower	Cut worms		100-200	Spraying sprouts	21(2)
	Sod webworm, sunflower moth, cotton budworm		200-400 25-50 (A)	Spraying during the growth period	

### Compatibility with other pesticides

Compatible with most pesticides. Before large-scale application, it is necessary to check the physical, chemical and biological compatibility with a particular product at recommended doses.

## General information

### Chemical class

anthranilamide

### Transport and storage conditions

Keep the preparation in a room dedicated for pesticide storage. Storage temperature range - minus 10 C to plus 30 C

### Shelf life

3 years.

**Hazard class**

hazard class 3, moderately hazardous substance

**Hazard class for bees**

Hazard class 3 - low-risk substance

**Packing**

5 liter PE container

**Registrant**

Schelkovo Agrohim , Russia

**Manufacturer**

Schelkovo Agrohim, Russia