Schelkovo Agrohim
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Reper, CSC

colloid solution concentrate

clopyralid /2-ethylhexyl ester/ 100 g/l + fluroxypyr 15 g/l

Postemergence herbicide of systemic effect intended to control annual and perennial dicotyledonous weeds on rapeseed plantings.

Advantages:

- Highly effective at reduced concentration of the active ingredient due to innovative formulation CSC
- Efficient control of catch weed and corn bindweed
- Fast penetration and high bio-efficiency due to unique formulation
- Wide range of application timing
- Elaborate combination of two active ingredients complementing each other prevents the occurrence of weed resistance

Action

Mode of action

Clopyralid has an auxin type systemic effect. It is absorbed by leaves and roots, easily moves along plants and accumulates in the growing point and roots. Fluroxypyr is quickly absorbed by weed leaves and partially by plant roots from soil. It actively moves and spreads along the entire plant, including growing points. By the principle of action, fluroxypyr is similar to a natural hormone - indolyl acetic acid. It causes unbalance of growth hormones in weed meristems. Oversaturation of meristem cells with synthetic hormone results in impairment of cell division and growth.

Protective period

Protects the crop against weeds throughout the vegetation period.

Speed of action

Sensitive weeds cease growing in 2 hours after preparation application. Visible signs of exposure (growth arrest, leaf and stalk deformations) appear in 2 to 5 days after herbicide application, and total extinction takes place in 2 or 3 weeks depending on kind of weeds and weather conditions. The best result is achieved when treating young, actively growing weeds.

Range of inhibited weeds

Annual and perennial dicotyledonous weeds, including catch weed and corn bindweed.

Susceptible species: dogs' chamomile, corn chrysanthemum, coltsfoot, lady's thumb, clover (species), cornflower, common groundsel, black bindweed, common dandelion, garden vetch, creeping thistle, thistle (species), yellow thistle, ragweed, common cocklebur, lettuce (species), chamomile (species), cleavers, chickweed, common hemp-nettle, scarlet pimpernel, field scorpion grass, black bindweed, black nightshade, common purslane, buttonweed, treacle mustard, cocklebur (species), horseweed.

Moderately susceptible species: amaranth (species), shepherd's purse, field bindweed, field pennycress, dead-nettle (species), lamb's quarters, drug fumitory, Tatar buckwheat, field pansy, nettle (species).

Low-susceptible species: speedwell (species), buttercup (species)

Compatibility with other pesticides

The preparation may be used in mixes with herbicides and insecticides provided the registered usage regulations are met and their application times coincide.

Usage regulations

Crop	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)
Spring and winter rapeseed	Perennial and annual dicotyledonous weeds, including catch weed, species of chamomile, pepper plant, pigweed, amaranth, thistle, so-thistle, etc.	0.8-1.0	200-300	Treatment of vegetating plants starting from 3-6 true leaves stage until rape flower buds	60 (1)

Application technique. Mix preparation method

Prepare the mix immediately before use. Fill the sprayer tank with water to 3/4 of its volume, slowly add the entire preparation dose while stirring, and rinse preparation remainders several times with water. Pour water after rinsing the preparation vessel to the sprayer tank and top up with water until full while continuously stirring. Prepare the mix and fill the sprayer on dedicated sites that are disinfected afterwards.

Use ground-based beam sprayers Amazone, OPSh-15-01, OPSh-3-24, ON-400, OP-2000-2-01, or similar.

Phytotoxicity

No cases of phytotoxicity to crops were recorded when recommendations on preparation application timing and rates were met. No adverse effect of the herbicide on growth and development of crops treated was recorded.

General information

Chemical class

phyridine-carboxylates, aminopyridines

Storage conditions

Keep the preparation in a room dedicated for pesticide storage

Storage temperature range

- minus 10 C to plus 30 C

Shelf life

5 years.

Packing

10 liter PE container

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia