



Acetal PRO, EC

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emulsion concentrate

propisochlor 720 g/L

Selective herbicide for control of annual grasses and some dicotyledonous weeds in crops of sunflower, corn, soybean, sugar beet.

Advantages:

- It is used both as a soil herbicide and post-emergence herbicide with a long protective period
- It ensures the purity of seedlings at the early stages of crop growth and development, thus controlling a wide range of weeds
- High selectivity excludes the risk of phytotoxic effect even under conditions of abundant rainfall and low temperature
- It ensures the purity of seedlings throughout the growing period
- It has no restrictions for crop rotation

Action

Mode of action

Propisochlor is an herbicide with systemic effect, it is absorbed by shoots and roots destroying weeds within a short period of time. It inhibits the synthesis of proteins and nucleic acids, its active ingredient suppresses the growth of roots. A decrease in osmotic potential leads to the death of weed plants. Propisochlor creates an herbicidal screen in the surface layers of the soil, which allows controlling newly germinating weeds after treatment with an herbicide.

Protective effect period

The product application ensures the purity of seeds for 60–80 days (mainly throughout the growing period).

Rate of exposures

It acts on germinating weeds quickly enough, 3–5 days after spraying.

Action spectrum

Annual grass weeds and some dicotyledonous weeds.

Susceptible species: cockspur, rough bristle grass, large crabgrass, annual meadow grass, panicum miliaceum subsp.ruderae, witchgrass, Aleppo grass, Cuba grass, black foxtail, amaranth (spp.), etc.

Moderately susceptible species: lamb's quarters, black nightshade, lady's thumb, shepherd's purse, chamomile (spp.), cleavers, etc.

Low susceptible species: charlock mustard, wild radish, pale persicaria, knotweed, thorn apple (spp.), buttonweed, Xanthium riparium, common cocklebur, annual mercury, trailing hollyhock, corn buttercup, common ragweed, dead-nettle (spp.), common arache, chickweed, self-seeding poppy, etc.

Compatibility with other pesticides

Effective when used alone. If there is a need to use the product in tank mixtures, the components to be mixed should be checked for physical and chemical compatibility.

Probability of resistance

No cases of resistance have been reported.

Usage regulations

Crop	Harmful object	Consumption rates of preparation, l/ha	Consumption rates of working liquid, l/ha	Method, treatment time, and application features. Period of manual (mechanized) work	Safety intervals (treatment frequency)
Corn, sunflower, soybean, sugar beet	Annual grass and dicotyledonous weeds	2,0-3,0	200-300	Soil spraying before crop sprouting -(3)	60(1)
Sugar beet	Annual grass and dicotyledonous weeds	2,5-3,0	200-300	Spraying of vegetating plants in the phase 2 to 4 true leaves of culture and early stages of weed growth -(3)	60(1)

Soybeans, sunflowers	Annual grass and dicotyledonous weeds	3,0	200-300	Spraying of vegetating plants in the phase 2 to 4 true leaves of culture and early stages of weed growth in irrigation conditions or in the presence of adequate moisture -(3)	60(1)
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Application technique. Procedure for the working liquid preparation

Prepare the working solution immediately before use. Fill the sprayer tank half full with water, add slowly the full dose of the product while stirring, rinse the container with the product residue several times with water. Add the flushing water and the remaining amount of water to the sprayer tank while stirring. Continue stirring during the application to ensure the working solution homogeneity.

Prepare the working solution and refill the sprayer at designated places that are to be deactivated later.

Use rod sprayers of the Amazon, OPSh-15-01, OPSh-3-24, ON-400, OP-2000-2-01 type, or similar sprayers.

Recommendations for the protection of useful objects of flora and fauna

The product is low-hazardous for bees and fish (hazard class 3).

It is necessary to follow the basic provisions of the Instructions for the Prevention of Bee Poisoning with Pesticides and the following environmental rules for the product use:

carry out treatment of plants in the morning or evening,

at wind speed up to 4–5 m/s,

border protection zone for bees $\leq 2-3$ km,

limitation of flight of bees 20–24 hours.

Beekeepers should be notified 4–5 days before treatment.

The application of the product in water protection zones of water bodies, including fishery waters is forbidden.

General information

Chemical class

chloroacetanilides

Transport and storage conditions

Store the product in the pesticide storage room.

Storage temperature is from minus 15°C to plus 35°C.

It is recommended to mix the product before use.

Shelf life

3 years

Hazard class

Hazard class 2, highly hazardous substance

Packaging

PE container 10 L

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia