



Risotto, OD

New

Oil dispersion

Selective two-component herbicide in oil formulation for protection of rice against weeds with enhanced action on grass weeds

Advantages:

- A unique unparalleled combination of active ingredients in oil formulation
- Highly efficient against weeds of different families (such as dicotyledonous marsh and grass weeds, including resistant populations of barnyard grass)
- Destruction of growing points and elimination of new sprout growth
- A prolonged protective effect up to 2 months
- Safe for all rice species and varieties

Action

Mode of action

Cigalofop-butyl is a systemic herbicide from the group of aryloxyphenoxypropionates. Highly active against grass weeds in rice, including resistant populations of barnyard grass. It inhibits the acetyl-coenzyme A carboxylase responsible for the biosynthesis of fatty acids. The rice tolerance is due to a rapid metabolic transformation of cyhalofop butyl in culture into an herbicide-inactive cyhalofop-dibasic acid.

Bispyribac sodium is a selective postemergence herbicide belonging to the class of pirimidyloxy-benzoic acids. Effective in controlling grass, sedge and broadleaf weed plants. It has a systemic action, spreads through all parts of the plant including growing points. It inhibits the acetolactate synthase and blocks the biosynthesis of amino acids.

Protective effect period

During the growing season.

Rate of exposure

Visual symptoms of the herbicidal effect are observed 5-7 days after application. Complete control of annual grass weeds is achieved within 15-20 days, while perennial weeds may require up to 30 days for full eradication.

Spectrum of eradicated weeds

Annual grass (military), sedge (including Bolboschoenus) and marsh broadleaf (including Monochoria, Alisma, Sagittaria, etc.) weed plants.

Usage regulations

Crop	Harmful object	Consumption rate product, L/ha	Consumption rate working liquid, L/ha	Method, time, features of application	Safety interval, days (number of applications)
Rice	Annual grasses (milfoil), sedges including Bolboschoenus) and marsh broadleaf (including Monochoria, Alisma, Sagittaria, etc.) weed plants.	1,5-2,0 1,5-2,0 (A) 1,5-2,0 (UAS)	200-300 50-100 (A) 5-10 (UAS)	Spraying of crops from the phase of 2-4 leaves to the end of tillering and early phases of weed growth (2-4 leaves for grass weeds and 5-7 leaves for sedges).	60 (1)

(A) - aerial treatment

(UAS) - unmanned aerial systems

Recommendations for use

To maximize the effect, drain water from paddy fields before starting treatment; reflooding of paddy fields can be carried out 1 day after treatment completion.

Application method. Working liquid preparation

Ground treatment: Prepare the working solution immediately before use. Prepare the stock solution in advance. Fill a separate container half full with water, add the required amount of the product for the stock solution concentration of 30–40% and mix for 1–2 minutes. Pour the resulting stock solution into the sprayer tank, filled three quarters full with water in advance. Flush the stock solution container with water several times and pour the water into the sprayer tank. Add water to the sprayer tank to the full volume and mix thoroughly. Prepare the working solution and refill the sprayer at designated places that are to be deactivated later. Use rod sprayers (Amazone, Lemken, Hardi, OPSh-15-01, OP-2000-2-01 or similar sprayers).

Aerial treatment: Prepare the working solution by mechanized method immediately before spraying. It is expedient to use stationary filling stations SZs-10 and mobile units APT "Temp" or APZh-12. To prepare the working liquid, ½ of the tank of the filling unit is filled with clean water, the stock solution of the product is added and the tank continues to be filled with water with simultaneous stirring. During the aircraft approach to the

treated area the hydromixer is switched on for additional mixing of the working solution (the hydromixer operation time is not less than 2 minutes). Works on preparation of working liquid and filling it into the tank of AN-2 airplane sprayers are carried out with the engine switched off using ground filters for additional cleaning of the working liquid.

When using the Mi-2 helicopter equipped with a special device for refueling, loading of the working liquid is carried out on an enclosed working platform without stopping the main rotors, but at reduced speeds.

Compatibility with other preparations

It is compatible in tank mixtures with pesticides and agrochemicals used at the rice crops.

In each case, a preliminary check for the physical and chemical compatibility of the components being mixed is recommended. When preparing tank mixtures, direct mixing of products without prior dilution (dispersion) in water is prohibited.

General information

Chemical class

aryloxyphenoxypropionates, pirimidyloxy-benzoic acids

Hazard class

Hazard class 3, moderately hazardous substance

Shelf life

2 years

Storage temperature

minus 15°C to plus 35°C

Packing

container 5L

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia