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Versia, OD

oil dispersion

propisochlor 370 g/L + terbuthylazine 185 g/L

Pre-emergence herbicide in the oil formulation for the protection of broad-leaved crops.

Advantages:

— Expanded spectrum of action against dicotyledonous and grass weeds

— Eradication of weeds from sprouting to early development phases

— Long-term protection from repeated crop infestation

— No phytotoxic effect on crops or restrictions on crop rotation

— Working-in is not required

Action

Mode of action

Propisochlor is mainly absorbed by the roots of seedlings. Effective against weeds during sprouting; has a weak effect on growing weeds. Inhibits meristematic cell division and protein and nucleic acid synthesis, which suppresses root growth, decreases osmotic potential and results in death of sprouts. Propisochlor effectively eradicates annual grass weeds as well as some broad-leaved weeds.

Terbuthylazine has a systemic action. It is absorbed by the roots and leaves of weeds and moves acropetally via the xylem. The substance inhibits electron transport during photosynthesis, which leads to death of weeds. The herbicidal effect is observed for both germinating seeds and sprouts.

Main spectrum of action: annual dicotyledonous weeds as well as some grass weeds

VERSIA, OD, combines two mechanisms of action and exhibits a synergistic effect of active ingredients, significantly broadening the spectrum of weeds eradicated (dicotyledonous and grass weeds), as well as the range of herbicidal effect (is effective against both germinating seeds and sprouts).

Protective effect period

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

Rate of exposure

Weeds die several days after sprouting.

Spectrum of eradicated weeds

Annual grass and dicotyledonous weeds

Highly susceptible species (95–100% eradication): barnyard grass, yellow foxtail, green foxtail, rough bristle grass, large crabgrass, annual meadow grass, etc.

Susceptible species (85–95% eradication): common millet, witchgrass, Aleppo grass, Cuba grass (from seeds), black grass, amaranth (species), goosefoot, black nightshade, chamomile (species), little-flower quickweed, shepherd's purse, red dead-nettle, chickweed, common purslane, drug fumitory, potentilla (species), etc.

Moderately susceptible species (75–85% eradication): trailing hollyhock, duck wheat, black bindweed

Low susceptible species (60–75% eradication): common ragweed, lady's thumb, field mustard, butterweed

Product application features

In soils with high organic matter content, the maximum recommended dose of the product should be applied. After treatment, inter-row cultivation should be avoided for 2–3 weeks to prevent disruption of the herbicide's protective layer.

Usage regulations

Crop	Harmful object	Product consumption rate, l/ha	Working liquid consumption rate, l/ha	Method, time, features of application	Waiting time, days (number of applications)
Maize, sunflower, soybean	Annual dicotyledonous and grass weeds	3.0–4.0	200–300	Spraying the soil before sowing, after sowing or before crop sprouting	−(1)

Pesticide application method

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).

In soils with high humus content, the maximum dose of the product shall be used. Within 2□3 weeks after treatment, inter-row cultivation is not recommended (in order not to compromise the protection).

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.

General information

Chemical class

chloroacetanilides, triazine

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 15□C to plus 35□C. Stir before use.

Shelf life

2 years

Hazard class

Hazard class 2, highly hazardous substance

Packing

5 liter PE container

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia