



Cornegi Plus, OD

oil dispersion

terbuthylazine 250 g/L + 2,4-D acid /2-ethylhexyl ether/ 80 g/L + clopyralid /2-ethylhexyl ether/ 40 g/L + nicosulfuron 30 g/L

Cross-spectrum herbicide for maize protection

Advantages:

- Extended spectrum of action and increased efficacy on dicotyledonous weeds
- Soil screen
- No residual effect on rotation crops
- A unique oil formulation for maximum efficacy

Action

Mode of action

Terbutilazin has a systemic effect. It is absorbed by the roots and leaves of weeds, moves acropetally via the xylem. The substance inhibits electron transport during photosynthesis, which leads to the death of weeds.

2,4-D acid /2-ethylhexyl ether/ as part of the product acts as an auxin-like growth inhibitor. It possesses system activity, easily and quickly, within one hour, penetrates and spreads through all parts of weeds, including roots, and blocks cell growth in young tissues.

Nicosulfuron has a systemic effect, which penetrates mainly through the leaves. It is an inhibitor of the formation of the acetolactate synthase enzyme involved in the synthesis of essential amino acids.

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.

The active ingredients contained on Cornegi Plus, OD, possess different herbicidal activity against dicotyledonous and grass weeds. The pronounced synergism and the additive effect of the herbicide components provide an expanded spectrum of action on the weeds and a longer period of their control in maize.

Period of protective effect

Due to the synergy effect and special formulation, the control of annual and perennial grass and annual dicotyledonous weeds is achieved during the whole vegetative period.

Rate of exposure

Under favorable conditions, the growth of sensitive weeds stops within six hours after spraying. The complete death of weed plants occurs within 7-15 days after treatment.

Action spectrum

Annual and perennial grass weeds, annual dicotyledonous weeds.

Susceptible species: ragweed (species), common stork's-bill, chickweed, little-flower quickweed, field mustard, knotweed (species), field pea, common cocklebur, thorn apple, buttonweed, goose-foot (species), lamb's quarters, horseweed, field milk thistle, black nightshade, shepherd's purse, common hemp-nettle, common purslane, cleavers, scentless mayweed, red-root amaranth, prostrate amaranth, tumbleweed amaranth, hedge-nettle betony, field pennycress (species), dead-nettle (species), field bindweed, creeping thistle, field milk thistle (species), goose grass, cockspur, yellow foxtail, green foxtail, switchgrass, large crabgrass, Aleppo grass, couch grass

Usage regulations

Crop	Harmful object	Consumption rates of preparation, l/ha	Consumption rates of working liquid, l/ha	Method, treatment time, and application features	Safety intervals (treatment frequency)
Maize	Annual dicotyledons, annual and perennial grass weeds	1.5-2.0	200-300	Spraying the growing crops at the stage of 3 to 5 leaves of the crop	60(1)

Procedure for the working liquid preparation

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

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

For spraying, commercially available rod sprayers for the application of herbicides are used.

Product application features

The best results and the fastest herbicidal action of the product are achieved with:

- Optimal choice of treatment time: at the early stages of the development of the dicotyledonous weeds and at the stage of 3-5 leaves of maize.
- Under Sufficient soil moisture conditions.

Phytotoxicity

The product is not phytotoxic at the recommended consumption rates and regulations for use.

Probability of resistance

None, subject to strict adherence to recommendations for use.

Compatibility with other pesticides

The product is compatible with herbicides used at the same time of maize treatment. However, in each case, the products to be mixed should be checked for compatibility.

General information

Chemical class

triazines, phenoxyacetic acid derivatives, pyridinecarboxylates, sulfonylureas

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

2 years.

Hazard class

hazard class 2, highly hazardous substance

Packing

5 liter PE container

Registrant

Schelkovo Agrohim , Russia

Manufacturer

Schelkovo Agrohim, Russia