



Argo Prime, ME

microemulsion

fenoxaprop-P-ethyl 90 g/l + clodinafop-propargyl 45 g/l + cloquintocet-mexyl (antidote) 40 g/l

Graminicide in the NANOformulation to protect wheat crops against a wide range of annual grass weeds

Advantages:

- Good effect against a wide range of grass weeds with an optimal concentration of active substances
- The most efficient NANOformulation, compared to conventional analogues
- High rate of penetration and resistance to precipitation washout
- No phytotoxic effect on the crops
- A wide application window regardless of the crop development phase
- Good compatibility in tank mixtures with anti-dicotyledon preparations

Action

Mode of action

Argo Prime, ME, is a systemic herbicide. It is effective against a wide range of annual grass weeds because of a good synergism of active ingredients. Fenoxaprop-P-ethyl and clodinafop-propargyl are quickly absorbed by leaves and move in the basipetal and acropetal directions to various plant organs. Fenoxaprop-P-ethyl is a fatty acid synthesis inhibitor. Clodinafop-propargyl inhibits lipid biosynthesis. The synthesis of cell membranes stops in growth zones of grass weeds. Cloquintocet-mexyl is an antidote that completely prevents the phytotoxic effect on crops. The innovative NANOformulation, microemulsion, ensures the best possible effect of active ingredients. In comparison to analogues, nanoparticles of the active substance (less than 100 nm) ensure faster penetration of the product into plant tissues via microcapillaries and immediate effect. This feature ensures that the herbicide remains effective even in adverse weather conditions: Argo Prime, ME, is highly resistant to rain and works well even in hot, dry conditions.

Protective effect period

Throughout the growth period. The product is effective against the weeds present in the crops at the time of treatment for 3-4 weeks. Thus, the second wave of weeds cannot seriously compete with the crop.

Rate of exposure

The herbicide is absorbed for 1-3 hours after application; active growth ceases within 24 hours, and complete elimination of grass weeds is achieved in 1.5-2 weeks.

Spectrum of action

Annual grass weeds, such as wild oat (species), wind grass, black foxtail, annual meadow grass, bristle grass (species), barnyard grass, common millet, witchgrass, large crabgrass, etc.

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)
Spring and winter wheat	Annual grass weeds (bristle grass (species), barnyard grass, common millet, wild oat, corn grass, etc.)	0.4-0.55	200-300	Spraying of crops with vegetative grass weeds (from 2-3 leaves till the end of tillering) regardless of the crop development phase. Winter wheat should be treated in spring.	60(1)

Product application features

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

- with the treatment at the early stages of development of grass weeds (starting from the stage of 2 leaves);
- with an optimal choice of treatment time (when most annual grass weeds emerge);
- under weather conditions favourable for the growth and development of plants.

No cases of delayed timing of development of cultivated plants have been reported if used according to the recommendations for time limits and rates of the product application. It is not recommended to treat with the product the crops weakened by frosts, hail, and pests. It is not recommended to treat the crops at the flowering stage.

Compatibility with other preparations

The product is compatible with most phenoxy acid-based herbicides, sulfonyleureas, clopyralid, and others, as well as with insecticides and fungicides. In each case, a preliminary check for the physical and chemical compatibility of the components to be mixed is required.

General information

Chemical class

aryloxyphenoxypropionates + antidot

Hazard class

Hazard class 3, moderately hazardous substance

Shelf life

2 years

Storage temperature

minus 15°C to plus 35°C

Packing

container 10L

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia