



Costando, EC

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emulsion concentrate

trinexapac-ethyl 250 g/L

Plant growth regulator for prevention of lodging of grain crops and better productivity and grain quality.

Advantages:

- Decreases the risk of lodging by decreasing the internodes length and thickening of straw walls
- Improves wintering of plants by strengthening the roots and increasing the sugar content in autumn
- A wide application window, from tillering to flag development
- A possibility of double application on winter wheat, in autumn and in spring
- No fitotoxicity

Action

Mode of action

The mode of action of trinexapac-ethyl is based on inhibition of gibberellic acid synthesis by inhibition of 3 β -hydroxylase enzyme. This results in slower cell growth and smaller length of internodes and the plant in general. Promotes the growth of the roots and thickening of straw walls.

Rate of exposure

The active ingredient is mostly absorbed by the assimilating parts of plants within 2 hours and is redistributed in the plant, entering the points of growth. From this moment, the targeted action of the product on the plant starts.

Compatibility with other pesticides.

The product is compatible with most available fungicides, insecticides, and acaricides. However, in each case, the products to be mixed should be checked for physical and chemical compatibility.

Usage regulations

Crop	Intended use	Product consumption rate, L/ha	Working solution consumption rate, L/ha	Method, time of treatment, application features Timeframes for the start of manual (mechanized) work	Safety interval (number of applications)
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Winter wheat	Prevention of lodging, improvement of productivity and grain quality	0.2	150-200	Spraying of plants: first – during the tillering phase, second – during the period from stalk-shooting to flag development - (3)	60 (2)
Winter rye, spring and winter wheat, spring and winter barley		0.2-0.4		Spraying of plants during the period from tillering and stalk-shooting to flag development - (3)	60 (1)

Application method. Working solution preparation procedure

Prepare the working solution immediately before spraying. Fill the sprayer tank one-third full with water, add the full dose of the product, bring to volume with water, and stir. 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 commercially available ground boom sprayers for spraying.

General information

Chemical Class

cyclohexanedione derivatives

Formulation

emulsion concentrate

Hazard Class

Hazard Class 3, moderately hazardous substance

Shelf life

5 years

Storage temperature

-15°C to +30°C

Packaging

5 L canister

Registrant

Schelkovo Agrohim, Russia

Manufacturer

Schelkovo Agrohim, Russia