



Herbicide for the control of grass weeds in wheat, triticale and rye.

Emulsifiable concentrate

Active ingredient content: 80g/ml Clodinafop + 20g/ml Cloquintocet-mexyl as a safener.

KEEP LOCKED OUT OF REACH OF CHILDREN

Before applying this product, please read the attached leaflet

Shelf life: At least two years from date of manufacture in original sealed containers.

"FOR USE AS HERBICIDE ONLY"

Approved by TPRI, Arusha

® = registered trademark of a Syngenta Group Company

Manufactured by: Syngenta Crop Protection AG

Contact Office:

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Colour band: GREEN



Use only aircraft equipped with boom and flat fan nozzles. The nozzles should have a spray angle of 65° - 90° and directed in relation to the flight direction 180° - 135° backwards. Spray volumes of 20 - 50 lts / ha are best. Rotary atomisers are not recommended. Stop spraying if the temperature is higher than 30° C, or the relative humidity is lower than 60%.

Mixing

Tractor sprayer

Fill the spray tank 1/3 - 1/2 full with water. Add the proper quantity of TOPIK®, then add the rest of the water. Rinse empty containers 3 times and add to the mixture.

Provide sufficient agitation during preparation and application to maintain an uniform emulsion. It is important to use clean water. Do not let tank contents stand without agitation.

Aircraft

Make certain the spray or mix tank is clean and not contaminated.

Fill it with clean water and add the required amount of product.

Triple rinse empty containers and add rinsate to the spray mixture.

Timing of application

Application of TOPIK® must be made post-emergence to the cereals and Avena spp., i.e. any time after the recommended cereals have reached the 3 leaf stage.

Best results are obtained by applying TOPIK® when the majority of the grass weeds have emerged and are actively growing e.g. under warm, moist conditions. TOPIK® has no residual activity and therefore Avena spp. emerging after application will not be controlled. Do not apply if rainfall is expected within 2 hours.

Compatibility

TOPIK® can be mixed with bromoxynil; oxynil and triasulfuron based products to control both grasses and dicot weeds. Compatibility with other herbicides is not sufficiently known at present. TOPIK® is compatible with most cereal fungicides, like TILT®.

Restriction of Use; Do not apply TOPIK® in barley and oats.

Precautions: Keep out of reach of children, unauthorised persons and animals.

Operator safety

Avoid getting product into contact with skin, eyes or clothing. Do not inhale vapour or spray mist. Wash hands and face before eating, drinking or smoking. If swallowed, repeatedly administer medicinal charcoal in plenty of water. Never give anything by mouth to an unconscious person. Wear protective clothing and footwear during application. Wash off splashes of concentrate and spray mixture. After work wash entire body thoroughly with soap. Clean protective clothing and shoes before re-use.

TOXICOLOGICAL INFORMATION

Symptoms of poisoning: No case of human poisoning on record

Antidote: No specific antidote is known. Apply symptomatic therapy.

Environment and wildlife

Do not contaminate water used for irrigation, domestic purposes, flowing or stagnant waters by the disposal of the product. It is toxic to certain species of fish.

Product and container disposals

Do not re-use empty container for any other purposes, especially not for food, feed or storing drinking water. Burn empty containers in a safe place. Collect up spilt material thoroughly and bury it in a safe place. Rinse spill area with plenty of water.

Storage

Store away from sun and damp in original tightly closed containers in a well ventilated area. Avoid storage above + 35°C. Prolonged storage above + 35°C may reduce shelf life and activity of the product.

Shelf life

At least two years from date of manufacturing in original unopened containers.

User's risk

All recommendations for use of the product are based on the current state of our knowledge. Since the product and its performance may be affected by factors beyond manufacturer's control (e.g. storage conditions, incorrect application or resistant weeds), the manufacturer declines liability for loss or damage resulting from these factors.

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Syngenta Crop Protection AG, Basle, Switzerland

Approved by TPRI, Arusha.

Emergency Call: Syngenta Alarm Centre, Huddersfield, UK;

Phone: + 44 1484 538 444, Fax: + 44 1484 433 197

Mode of Uptake

TOPIK® is taken up through the leaves of Avena sp. Active growth of susceptible grasses ceases within 48 hours after application. Symptoms are observed within one to three weeks depending on environmental conditions and species involved. Decay of nodes and growing points is visible, with young leaves showing chlorosis followed by necrosis. The safener cloquintocet-mexyl selectively prevents phytotoxic effects in wheat, triticale and rye by considerably accelerating the metabolism.

Resistance

The repeated use of this product or products with the same mode of action may lead to a selection of resistant weeds. Certain agronomic practices may reduce the likelihood that resistant weeds will arise. In fields where resistant weeds are suspected integrated strategies are available to manage such populations. For the two cases above please consult your SYNGENTA representative/distributor for most upto date information

Crop tolerance

Excellent crop tolerance including a double safety margin has been observed in wheat, triticale and rye when applied between the 3 leaf stage and stem elongation of the cereals. TOPIK® is not recommended for use in barley and oats.

Recropping flexibility

TOPIK® is quickly degraded in the soil and has little or no soil activity. There are no recropping restrictions.

Application Technique

Spray equipment

For the application of TOPIK®, tractor boom sprayers and aircraft are recommended.

DO NOT apply TOPIK®C with hand-held equipment such as knapsack sprayers.

All application equipment has to be properly calibrated before use, with regard to forward speed, flow rate and evenness of distribution.

Tractor sprayers

With tractor boom sprayers volume rates of 200 -400 lts/ha are best. Use 110° Flan fan low drift nozzles at 1.5-3 bar pressure and 40 - 50 cm boom height.

Aerial equipment

Spectrum of Activity and Directions for Use

TOPIK® controls most of the important grass weed species in wheat, rye and triticale:

Grass weed species	TOPIK® ml/ha	Growth stage at application
Alopecuru myosuroides	500	13 - 30*
Avena ludoviciana sterilis	375	13 - 30
Avena fatua	500 - 750	13 - 30
Lolium spp	900	13 - 29
Phalaris spp	750	13 - 29
Poa trivialis	750	13 - 25
Setaria spp	900	13 - 15
Echinochloa spp	750	13 - 15

Bromus spp / Poa annua are not controlled.

* Growth stage (GS), Zadok