

BASF

We create chemistry

Kezuro®



MAPP 17988

A suspension concentrate containing 571 g/L of metamitron (47.6% w/w) and 71 g/L of quinmerac (5.9% w/w).

A herbicide for the control of annual weeds in sugar beets.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.

SAFETY PRECAUTIONS

Operator protection

Engineering control of operator exposure must be used where reasonably practicable in addition to the following personal protective equipment:

Operators must wear SUITABLE PROTECTIVE GLOVES when handling the concentrate or handling contaminated surfaces.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

Environmental protection

Do not contaminate water with the product or its container.

Do not clean application equipment near surface water.

Avoid contamination via drains from farmyards and roads.

Storage and disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times.

Add washings to sprayer at time of filling and dispose of container safely.

PROTECT FROM FROST

SHAKE WELL BEFORE USE

This label is compliant with the CPA Voluntary Initiative Guidance

5 L

Supplied by: BASF plc, Agricultural Solutions
PO Box 4, Earl Road, Cheadle Hulme, CHEADLE, Cheshire SK8 6QG, Tel: 0161 485 6222

Emergency information: (24 hours freephone): 0049 180 2273112

Technical Enquiries: 0845 602 2553 (office hours)

Approval holder: GLOBACHEM NV

Brustem Industriepark- Lichtenberglaan 2019, B-3800 Sint-Truiden - Belgium

Tel: +32 11 78 57 17, Fax: +32 11 68 15 65

E-mail: globachem@globachem.com, Web: www.globachem.com

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**The
Voluntary
Initiative**

Kezuro®

A suspension concentrate containing 571 g/L of metamitron (47.6% w/w) and 71 g/L of quinmerac (5.9% w/w).

Toxic to aquatic life with long lasting effects.

Collect spillage.

Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

To avoid risks to human health and the environment, comply with the instructions for use.



IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops/situations	Maximum individual dose (l product/ha)	Maximum number of treatments (per crop)	Latest time of application
Sugar beet	3.5 (pre-emergence)	1	BBCH 09
	OR	-	-
	1.3 (post-emergence only)	3 – apply post-emergence only and as 3 split doses of: 0.9 litres product/ha; 1.3 litres product/ha; 1.3 litres product/ha.	BBCH 18

Other Specific Restrictions:

- A minimum interval of 7 days must be observed between applications.
- DO NOT HANDLE TREATED PLANTS for at least 2 days after treatment.

READ THE LABEL BEFORE USE. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.

DIRECTIONS FOR USE

IMPORTANT: This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

Kezuro is herbicide acting both by uptake through the roots (soil action) as by uptake through the leaves (contact action). The active ingredient metamitron is mainly a soil herbicide, however it also has some contact action. For quinmerac, the ratio is half/half soil and contact. This makes Kezuro a suitable product for post-emergence applications in a programme with contact herbicides. It controls germinating weeds by root absorption during or shortly after weed emergence. For optimum results to prevent germination of new weeds, the soil should be sufficiently moist at the time of application for the product to form an active herbicidal layer in the soil.

Restrictions/Warnings

Extreme care must be taken to avoid spray drift onto non-crop plants outside the target area.

Avoid spray drift onto neighbouring crops.

Do not spray crops under stress or to crops suffering from waterlogging, pest attack, disease or frost.

Kezuro is suitable for use on soil types ranging from coarse sandy loam to clay loam as defined by the Soil Texture (85) System. Do not use on sands (coarse sand – loamy fine sand) or soils of high organic matter content such as fen peat and moss soils.

Do not apply to crops suffering from stress. This may be due to a number of factors e.g. nutrient or trace element deficiency such as manganese, soil acidity, drought, periods of low temperatures or frost, substantial day to night time fluctuations, high light intensity, wind or hail damage, use after other herbicides, pest or disease attacks.

Do not apply when temperatures exceed 21°C or in strong sunlight. If treatment is essential, delay spraying until the temperature falls and light intensity reduces.

Weed control

The weed control from Kezuro applied pre-emergence or post-emergence (up to the 1 true leaf stage of the weed) is in the table below:

Weed name	Pre-emergence: Kezuro	Post-emergence: Kezuro	Post-emergence: Kezuro + oil
Fat-hen	R	MR	S
Cleavers	MS	S	S
Dead-nettles	MR	/	/
Common field speedwell	MS	S	S
Common groundsel	MS	/	/

Weed name	Pre-emergence: Kezuro	Post-emergence: Kezuro	Post-emergence: Kezuro + oil
Fool's parsley	S	MS	S
Shepherd's purse	S	MR	MS
Scented mayweed	S	S	S
Scentless mayweed	MS	/	/
Common orache	MR	/	/
Field pansy	R	R	R
Common chickweed	R	R	R

R = Resistant; MR = Moderately resistant; MS = Moderately susceptible; S = Susceptible

Crop Specific Information

Kezuro is herbicide acting both by uptake through the roots (soil action) as by uptake through the leaves (contact action). The active ingredient metamitron is mainly a soil herbicide, however it also has some contact action. For quinmerac, the ratio is half/half soil and contact. This makes Kezuro a suitable product for post-emergence applications in a programme with contact herbicides. It controls germinating weeds by root absorption during or shortly after weed emergence. For optimum results to prevent germination of new weeds, the soil should be sufficiently moist at the time of application for the product to form an active herbicidal layer in the soil.

Kezuro can be used both pre- or post-emergence to control several annual broadleaved weeds.

Pre-emergence application

Apply 3.5 L/ha pre-crop emergence.

This application will have to be followed by a post-emergence program of other herbicides to allow full weed control until harvest. Satisfactory results depend on moisture in the seedbed at the time of application or sufficient rain falling shortly thereafter but before weed emergence.

Post-emergence application

Apply Kezuro as part of a low dose repeat applications program. An interval of at least 7 days must elapse between applications of Kezuro. The maximum total dose of 3.5 L/ha should be split into three applications at 0.9 L/ha, 1.3 L/ha and 1.3 L/ha and made between the cotyledon stage and the 6-8 leaf stage. A typical program would consist of 0.9 L Kezuro in the cotyledon stage, followed by 1.3 L in the two and four true leaf stage. Increased efficacy is obtained when mixed with a mineral or vegetable oil.

Optimum results are obtained when weeds are in the cotyledon stage, maximum in the one leaf stage, at the moment of application. Good efficacy is obtained through uniform wetting of the weeds and available soil moisture. Under dry conditions, it is advised to increase the water volume.

Following Crops

The effects of Kezuro persist in the soil for several weeks.

Any crop may be sown in the following spring after normal harvest. Ploughing is recommended prior to sowing more sensitive broad-leaved crops.

Only winter cereals may be sown in the same autumn as harvest, provided ploughing is carried out before sowing and at least 6 months have passed since application of Kezuro.

Fields that have been sprayed but where the crop has failed may be re-drilled with sugar beet after cultivation. Do not re-drill with any other crop.'

Mixing and Application

Mixing

Make sure the sprayer is set to give an even application at the correct volume.

Fill the spray tank with half the required volume of clean water and start agitation.

Add the required amount of Kezuro and continue agitation whilst adding the rest of the water.

Agitate the mixture thoroughly before use and continue agitation during spraying. Take particular care to avoid overlapping of spray swaths.

Thoroughly wash all spray and measuring equipment at least 3 times with water immediately after use.

For pre-emergence applications, apply as a MEDIUM spray and for post-emergence applications, apply as a FINE spray as defined by the BCPC system.

The water volumes that are to be used during the application of Kezuro are 200 – 400 L/ha.

CONDITIONS OF SUPPLY

All goods supplied by us are of high grade and we believe them to be suitable but, as we cannot exercise control over their storage, handling, mixing or use, or the weather conditions before, during or after application which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded. No responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.

The following does not form part of the authorised label text.

With many products there is a general risk of resistance developing to the active ingredients. For this reason a change in activity cannot be ruled out. It is generally impossible to predict with certainty how resistance may develop because there are so many crop and use connected ways of influencing this. We therefore have to exclude liability for damage or loss attributable to any such resistance that may develop. To help minimise any loss in activity the BASF recommended rate should in all events be adhered to.

Numerous, particularly regional or regionally attributable, factors can influence the activity of the product. Examples include weather and soil conditions, crop plant varieties, crop rotation, treatment times, application amounts, admixture with other products, appearance of organisms resistant to active ingredients and spraying techniques. Under particular conditions a change in activity or damage to plants cannot be ruled out. The manufacturer or supplier is therefore unable to accept any liability in such circumstances. All goods supplied by us are of high grade and we believe them to be suitable, but as we cannot exercise control over their mixing or use or the weather conditions during and after application, which may affect the performance of the material, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us for any damage or injury whatsoever arising from their storage, handling, application or use; but nothing should be deemed to exclude or restrict any liability upon us which cannot be excluded or restricted under the provisions of the Unfair Contract Terms Act 1977 or any similar applicable law.

Section 6 of the Health and Safety at Work Act

Additional Product Safety Information

The product label provides information on a specific pesticidal use of the product; do not use otherwise, unless you have assessed any potential hazard involved, the safety measures required and that the particular use has "off-label" approval or is otherwise permitted under the Plant Protection Product Regulations (EC) No 1107/2009.

The information on this label is based on the best available information including data from test results.

Safety Data Sheet

To access the Safety Data Sheet for this product scan the QR code or use the weblink below:



bit.ly/Kezuro_sds

Alternatively, contact your supplier.

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Tel: +32 11 78 57 17, Fax: +32 11 68 15 65
E-mail: globachem@globachem.com, Web: www.globachem.com

