Herbicide

CHEKKER®

A foliar applied herbicide for the control of cleavers, chickweed, mayweed and other annual broad-leaved weeds in wheat, barley, rye, triticale and Durum wheat.

A water dispersible granule containing 12.5% w/w amidosulfuron, and 1.25% w/w iodosulfuron-methyl-sodium, both sulfonylureas.

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

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Telephone: 0330 678 3382 (24 hr)

National Poisons Information Centre
UK: 0344 892 0111 (medical professionals only)

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GROUP 2 HERBICIDE

MAPP 21870 H

Shake Well

GB79901658k rA13

CHEKKER®

UFI: Q4P0-P0JP-Y00R-JVE8

Contains 12.5% w/w amidosulfuron, and 1.25% w/w iodosulfuron-methyl-sodium, both sulfonylureas. Also contains mefenpyr-diethyl.

Danger

Causes serious eye irritation.
Very toxic to aquatic life with long lasting effects.

Wear protective gloves/protective clothing/eye protection/face protection.
If eye irritation persists: Get medical advice/attention.
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
Can cause very long-lasting and diffuse contamination of water resources (Northern Ireland only).
To avoid risks to human health and the environment, comply with the instructions for use.

IMPORTANT INFORMATION FOR USE ONLY AS A PROFESSIONAL HERBICIDE

Crops	Wheat, Barley, Rye, Triticale and Durum Wheat
Maximum individual dose	240 g product per hectare
Maximum Number of Treatments	1 per crop
Latest time of application	Before flag leaf sheath extending
Other specific restrictions:	This product must only be applied from 1 February in the year of harvest until the specified latest time of application. This product must not be applied by hand-held equipment.

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.

To access the **Safety Data Sheet** for this product scan the code or use the link below:
https://cropscience.bayer.co.uk/our-products/herbicides/chekker
or alternatively contact your supplier

Bayer

SAFETY PRECAUTIONS

Operator Protection

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

WEAR SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the product. However, engineering controls must replace personal protective equipment if a COSHH assessment shows that they provide an equal or higher standard of protection.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY with plenty of water and seek medical advice.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH HANDS AND EXPOSED SKIN before meals and after work.

AVOID ALL CONTACT WITH SKIN AND EYES.

WASH CONCENTRATE from skin or eyes immediately.

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.

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

Storage and Disposal

KEEP OUT OF REACH OF CHILDREN.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS.

WASH OUT CONTAINER THOROUGHLY and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

DIRECTIONS FOR USE

IMPORTANT: This information is authorised 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.

RESTRICTIONS

Only the following “ALS inhibiting” herbicides can be applied to the same crop in tank mixture or in sequence with Chekker: Atlantis OD, Hatra, Horus, Hamlet, Kalenkoa, Monolith or Othello.

DO NOT apply to crops undersown or due to be undersown with grass, clover or alfalfa.

DO NOT roll or harrow within one week of spraying.

DO NOT spray crops under stress, suffering drought, waterlogged, grazed, lacking nutrients or if the soil is compacted.

Broadcast crops should be sprayed post-emergence after the plants have a well established root system and all other conditions on the label and leaflet are met.

DO NOT spray if frost is expected. If the leaves are wet or covered with ice, run off may occur.

Store in a cool, dry, safe place designated as an agrochemical store, away from seeds & animal feeding stuffs.

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

WEEDS CONTROLLED

For optimum results, apply Chekker during warm weather, when the soil is moist and the weeds actively growing. Dry conditions resulting in moisture stress may reduce effectiveness.

Chekker can be used on all soil types.

If present at application, the following weeds will be controlled:

Weed	Post-emergence control at 180 g/ha up to:	Post-emergence control at 240 g/ha up to:
Black bindweed	-	6 true leaves
Charlock	4 true leaves	flower bud
Chickweed	8 true leaves	flower bud
Cleavers	15 cm	flower bud
Common field speedwell	-	6 true leaves (MS)
Field forget-me-not	-	6 true leaves
Knotgrass	-	4 true leaves (MS)
Mayweed	8 true leaves	flower bud
Poppy	-	6 true leaves (MS)
Shepherd's purse	6 true leaves	flower bud
Volunteer oilseed rape	-	5 true leaves
Wild radish	-	flower bud

(MS = Moderately Susceptible)

Kill of weeds with Chekker is slow, particularly under cool, dry conditions. Sometimes, the weeds may only be stunted but they will normally have little or no competitive effect on the crop.

CROP SPECIFIC INFORMATION

All commercially available varieties of; winter wheat, winter barley, spring wheat, spring barley, rye, triticale and Durum wheat.

Apply Chekker from the three-leaf stage of the crop up to before flag leaf sheath extending.

Apply in spring (from 1 February) when the weeds are actively growing. Apply at a rate of use 240 g per hectare.

For optimal results, use application techniques which ensure good weed coverage and crop penetration.

Volume: 200-400 litres of water per hectare. Use up to 400 litres of water per hectare where crops are thick or weeds dense. Lower water volumes (100 L/ha) may also be used, however these have not been supported by effectiveness or crop safety data.

Pressure: 2.5 – 3.0 bar

Spray Quality: MEDIUM (BCPC category).

Take care to avoid drift onto broad-leaved plants outside the target area or onto ponds, waterways and ditches. Avoid spray overlaps, particularly when applying prior to stem extension of winter and spring barley, as this may result in reduced vigour and yield reductions.

SEQUENCES AND TANK-MIXTURES

Only one of the following "ALS inhibiting" herbicides can be applied to the same crop in sequence or tank mixture with Chekker:

- With 240 g/ha Chekker: Atlantis OD, Hatra, Horus, Hamlet (applied at 1.0 L/ha), Monolith, Othello or Kalenkoa (applied at 0.33 L/ha), or
- With 180 g/ha Chekker: Kalenkoa (applied at 0.66 L/ha).

These sequences and tank mixtures must only be applied in accordance with label recommendations for every product in the sequence or tank mixture. Aside from those listed above, do not use Chekker in any non-approved ALS sequence or tank mixture.

Only use permitted sequences and tank mixtures in conjunction with a robust non-ALS inhibitor autumn herbicide programme, this is particularly important where both components are applied in the spring.

HERBICIDE RESISTANCE MANAGEMENT

This product contains amidosulfuron and iodosulfuron-methyl-sodium which are ALS inhibitors, also classified by the Herbicide Resistance Action Committee as 'Group 2'. To reduce the risk of developing resistance or where resistance to sulfonylurea herbicides is suspected applications should be made to young, actively growing weeds.

As part of the Resistance Management Strategy for Chekker, do not apply Chekker in sequence with autumn applied Atlantis OD, Hatra, Horus, Hamlet, Kalenkoa, Monolith or Othello for the spring control of common-chickweed in order to avoid increased selection of herbicide resistant individuals. The use of cultural methods of control and herbicides with non-ALS modes of action within the cropping season and/or throughout the cropping rotation will help reduce the risk of developing resistance.

Always monitor effectiveness of weed control and investigate any patches of poor control. If unexplained, contact your agronomist, who may consider a resistance test appropriate.

FOLLOWING CROPS

After an application of Chekker there are no restrictions on following cereal crops or crops sown in the spring of the following year.

In addition to cereals, winter oilseed rape and winter field beans may be sown in the same year as Chekker is applied and these must be preceded by ploughing or thorough cultivation. A minimum of three months must separate an application of Chekker and the drilling of winter oilseed rape.

Where Chekker is applied in sequence or tank mixture with Atlantis OD, Hatra, Horus, Hamlet, Kalenkoa or Othello, winter wheat, winter barley, spring wheat, spring barley and sugar beet can be sown as following crops in the normal rotation. Only wheat may be sown as the following crop when Chekker is applied in tank mixture or sequence with Monolith.

MIXING

Half fill the spray tank with clean water, start agitation and add the required quantity of Chekker directly to the tank. Top up the tank to the required volume. Continue agitation whilst spraying.

Sprayer hygiene

It is important that the spray tank, boom, hoses, filters and nozzles are thoroughly washed out to remove all traces of Chekker immediately after spraying and before the sprayer is used on crops other than the cereals recommended on this label.

Use either of the following procedures:-

(a) Bleach cleaning

1. Drain sprayer completely, then wash out tank boom and hoses with clean water. Drain again.
2. Half-fill tank with clean water and add chlorine bleach (i.e. bleach with 10% available chlorine) at a dilution rate of 2.5 litres of bleach per 1,000 litres of water. Complete filling the tank with water. Flush through boom and hoses then leave sprayer for 10 minutes with agitation on. Then drain completely.
3. Remove nozzles and filters and leave to soak in a bleach solution of 250 ml bleach per 10 litres of water whilst tank cleaning is in progress.
4. Flush the tank, boom and hoses with clean water.
5. Inspect tank to confirm no residues are present.

Ensure any spray contamination on the outside of the sprayer is removed by washing in clean water.

(b) Ammonia based cleaning (e.g. All Clear Extra)

Follow manufacturers' recommendations for sulfonyl urea herbicides.

DO NOT MIX any bleach or chlorinating agent with any ammonia-based cleaning agent as toxic gases may be liberated.

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