



EAGLE®



120 g e

A foliar applied herbicide controlling cleavers and other annual broad-leaved weeds in wheat, barley, oats, rye, triticale, durum wheat and linseed.

MAFF 07318

A water dispersible granule formulation containing 75% w/w amidosulfuron, a sulfonylurea.

The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work. Bayer CropScience Limited, 230 Cambridge Science Park Milton Road, Cambridge CB4 0WB Telephone: 01223 226500

For 24 hour emergency information contact Bayer CropScience Limited Telephone: 0800 220876

SAFETY PRECAUTIONS

Operator Protection

WASH HANDS AND EXPOSED SKIN before meals and after work.

Environmental Protection

DO NOT CONTAMINATE SURFACE WATERS OR DITCHES with chemical or used container.

Storage and Disposal

WASH OUT CONTAINER THOROUGHLY and dispose of safely.

GB79640617b rA12a

EAGLE

Contains 75% w/w amidosulfuron



DANGEROUS FOR THE ENVIRONMENT

VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

This material and its container must be disposed of in a safe way. Use appropriate containment to avoid environmental contamination. To avoid risks to man and the environment comply with the instructions for use.

IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops:

Winter and spring wheat, winter and spring barley, oats, rye, triticale, durum wheat and winter and spring linseed.

Maximum individual dose:

40 g of product per hectare

Maximum number of treatments:

One per crop

Latest time of application:

Cereals - Before first spikelet of inflorescence just visible.

Linseed - Before flower buds visible.

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.

RESTRICTIONS

DO NOT apply to crops undersown or due to be undersown with 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.

WEEDS CONTROLLED

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

Eagle can be used on all soil types.

Eagle controls cleavers from emergence through to flower bud. If present at application, charlock (up to flower bud), shepherd's-purse (up to flower bud) and field forget-me-not (up to 6 leaves) will also be controlled. Kill of weeds with Eagle 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

Apply in spring (from 1 February) when the weeds are actively growing.

Apply at a rate of 40g per hectare.

Cereals:

All commercially available varieties of:-

Winter and spring wheat, winter and spring barley, durum wheat, oats, rye and triticale.

Apply Eagle from the two-leaf stage of the crop up to and including first awns visible (GS 49).

Linseed:

All commercially available winter and spring sown varieties of linseed.

Apply Eagle from the first pair of leaves unfolded up to before the flower buds are visible.

For optimal results, use application techniques which ensure good weed coverage and crop penetration. Use a spray volume of 100-400 litres of water per hectare, using up to 400 litres of water per hectare where crops are thick or weeds dense. Use spray Pressure of 2.5-3.0 bar and spray quality at **FINE** or **MEDIUM** (BCPC category).

Avoid damage by drift onto broad-leaved plants outside the target area or onto ponds, waterways and ditches.

FOLLOWING CROPS and CROP FAILURE

After an application of Eagle there are no restrictions on following cereal crops or spring sown crops in the normal rotation.

In addition to cereals only winter oilseed rape, mustard, turnip, winter field bean and vetches may be sown in the same year as Eagle is applied and these must be preceded by ploughing or thorough cultivation.

In the event of crop failure, it is possible to drill a spring cereal after a 15 day delay. Ploughing is not necessary.

MIXING

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

When tank-mixing, always add Eagle to the spray tank first and fully disperse before adding other products. Do not allow Eagle granules to come into contact with the undiluted concentrate of any other product.

Sprayer hygiene

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

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.

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.

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

COMPATIBILITY

Eagle may be applied as a tank-mix with a range of products. Contact Bayer CropScience for compatibility information on specific tank-mixes. Full manufacturer's instructions must be followed for each tank-mix component. IMPORTANT: Tank-mixtures or sequences should only be applied within the label recommendations of every product in the tank-mixture or sequence. Do not apply Eagle as a tank-mix or sequence with any other ALS inhibitor other than as directed for Atlantis WG, Pacifica, Ally, Jubilee 20 DF, Lorate 20 DF, Quantum or Harmony M.

Tank-Mixture or Sequence with Ally or Jubilee 20 DF or Lorate 20 DF, or Quantum or Sequence only with Harmony M

Eagle may be used in tank-mixture or sequence with Ally, Jubilee 20 DF, Lorate 20 DF or Quantum or in sequence with Harmony M ONLY when cereals (wheat, barley, oat, rye or triticale) or potatoes are to be sown as the following crop. When using tank-mixtures, take care not to overlap spray swaths. Do not tank-mix Eagle with Atlantis WG, Pacifica, Ally, Jubilee 20 DF or Lorate 20 DF or Quantum or Harmony M when applied to linseed. For these mixtures the ammonia-based cleaning method is recommended for sprayer hygiene.

Before adding any other product to the mixture of two sulfonylurea containing products, ensure that both sulfonylurea products are fully dispersed. Eagle is not compatible with Tilt.

- ® Eagle, Atlantis and Pacifica are Registered Trademarks of Bayer.
- ® Ally, All Clear, Harmony, Lorate, Jubilee and Quantum are Registered Trademarks of DuPont.
- ® Tilt is a Registered Trademark of Syngenta
- © Bayer CropScience 2010

Section 6 of the Health and Safety at Work Act

Additional Product Safety Information (This section does not form part of the approved product label). 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. The information on this label is based on the best available information including data from test results.

SAFETY DATA SHEET

according to Regulation (EU) No. 1907/2006

EAGLE

Version 6 / GB Revision Date: 20.02.2008 102000000550

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product information

Trade name	EAGLE
Product code (UVP)	05938848
Usage	Herbicide
Company	Bayer CropScience Limited 230 Cambridge Science Park, Milton Road Cambridge CB4 0WB
Telephone	+44(0)1223 226500
Telefax	+44(0)1223 426240
Responsible Department	Email: ukinfo@bayercropscience.com
Emergency telephone number	0800-220876 (UK 24 hr) +44(0)1603-242424 (Overseas 24 hr)

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

No particular hazards known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Water dispersible granules (WG) Amidosulfuron 75 %

Hazardous components

Chemical Name	CAS-No. / EINECS-No.	Symbol(s)	R-phrase(s)	Concentration [%]
Amidosulfuron	120923-37-7		R52/53	75.00
Sodium lauryl sulfate	151-21-3 205-788-1	Xn	R20/22, R37/38, R41	< 5.00

For the full text of the R phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

General advice: Move out of dangerous area. Victim to lie down in stable position on one side, cover and keep him warm. Remove contaminated clothing immediately and dispose of safely.

Inhalation: Move to fresh air. Keep patient warm and at rest. If symptoms persist, call a physician.

Skin contact: Wash off thoroughly with plenty of water and soap, if available with polyethyleneglycol 400, subsequently rinse with water. If symptoms persist, call a physician.

Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. Do NOT induce vomiting. Induce vomiting only, if: 1. patient is fully conscious, 2. medical aid is not readily available, 3. a significant amount (more than a mouthful) has been ingested and 4. time since ingestion is less than 1 hour. (Vomit should not get into the respiratory tract.) If symptoms persist, call a physician.

Notes to Physician

Symptoms: Systemic:, To date no symptoms are known., Local:, Irritation

Treatment: Treat symptomatically. Gastric lavage is not normally required. If a significant amount (more than a mouthful) has been ingested, administer activated charcoal and sodium sulphate. There is no specific antidote.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray, Foam

Extinguishing media which should not be used for safety reasons

Dry powder, Carbon dioxide (CO₂)

Specific hazards during fire fighting

In the event of fire the following can be released:

nitrogen oxides (NO_x), Sulphur oxides, carbon monoxide (CO)

Special protective equipment for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Use personal protective equipment.

Environmental Precautions

Do not allow to get into surface water, drains and ground water.

If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).

Methods for Cleaning Up

Avoid dust formation and electrical charging (sparking) because dust explosion might occur. Sweep up or vacuum up spillage and collect in suitable container for disposal.

Additional Advice

Information regarding waste disposal, see section 13.

Information regarding personal protective equipment, see section 8.

Information regarding safe handling, see section 7.

7. HANDLING AND STORAGE

Handling

Advice on safe handling

Ensure adequate ventilation.

Advice on protection against fire and explosion

Care should be taken to avoid formation of dust from abraded granules.

Dust may form explosive mixtures with air.

Storage

Requirements for storage areas and containers

Store in original container.

Keep containers tightly closed in a dry, cool and well-ventilated place.

Keep away from direct sunlight.

Advice on common storage

Keep away from food, drink and animal feedingstuffs.

Storage stability

Storage period 24 Months

Storage temperature 20 - 30 °C

Other data

Storage temperature should ideally lie between 0 and 30 °C, however, storage for two weeks at 54 °C has shown no adverse effects regarding product safety or stability.

Suitable materials

Polyamid innerlined polyethylene (coex) bottles

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable.

Refer also to COSHH Essentials.

Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet.

In all other cases the following recommendations would apply.

Respiratory Protection

Wear respirator with a particle filter mask (protection factor 4) conforming to European norm EN149FFP1 or equivalent. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.

Hand Protection

Wear CE Marked (or equivalent) nitrile rubber gloves (minimum thickness 0,40 mm). Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed. Wash hands always before eating, drinking, smoking or using the toilet.

Eye protection

Wear goggles conforming to EN166 (Field of Use 5 or equivalent).

Skin and body protection

Wear standard coverall and type 5 suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently.

Hygiene measures

When using, do not eat, drink or smoke.

Wash hands before breaks and immediately after handling the product.

Protective measures

Do not breathe dust.

Avoid contact with skin and eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	solid
Colour	beige
Odour	slightly acidic

Safety data

pH	4.7 - 4.8 at 10 % (20 °C) suspension in water
Flash point	not applicable
Autoignition Temperature	> 402 °C
Lower explosion limit	100 g/m ³
Dust explosion Kst number	97 m.b./s
Dust Explosion Class	St1
Bulk Density	approx. 450 - 500 kg/m ³

Water solubility	710 g/l dispersible
Impact Sensitivity	not impact-sensitive
Explosivity	Not explosive
Dust content	Content: 0.1 % almost dustfree

10. STABILITY AND REACTIVITY

Conditions to Avoid	Extremes of temperature and direct sunlight.
Thermal decomposition	140 °C , Heating rate: 10 K/min
Hazardous Reactions	No dangerous reaction known under conditions of normal use.

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	LD50 (rat) > 5,000 mg/kg
Acute Inhalation Toxicity	LC50 (rat) > 5 mg/l. Exposure time: 4 h
Acute Dermal Toxicity	LD50 (rat) > 4,000 mg/kg
Skin Irritation	No skin irritation. (rabbit)
Eye Irritation	Slight irritant effect - does not require labelling. (rabbit)
Sensitization	Non-sensitizing. (guinea pig) OECD Test Guideline 406, Buehler test

12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biodegradability The single components are biologically degradable.

Ecotoxicity effects

Toxicity to Fish LC50 (Rainbow trout (*Oncorhynchus mykiss*)) 150 mg/l
Exposure time: 96 h

Toxicity to daphnia EC50 (Water flea (*Daphnia magna*)) 187 mg/l
Exposure time: 48 h

Toxicity to algae EC50 (*Scenedesmus subspicatus*) 122 mg/l
Exposure time: 72 h

Toxicity to algae EC50 (*Lemna gibba* (duckweed)) 10.1 µg/l
Growth rate Exposure time: 7 d

13. DISPOSAL CONSIDERATIONS

Product

In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).

Contaminated packaging

Small containers (< 10 l or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times. Add washings to sprayer at time of filling. Dispose of empty and cleaned packaging safely. Large containers (> 25 l or > 25 kg) should not be rinsed or re-used for any other purpose. Return large containers to supplier. Follow advice on product label and/or leaflet.

Waste key for the unused product

020108 agrochemical waste containing dangerous substances

14. TRANSPORT INFORMATION

ADR/RID/ADNR

UN-Number: 3077 Labels: 9 Packaging group: III
Hazard no.: 90 Description of the goods: ENVIRONMENTALLY
HAZARDOUS SUBSTANCE, SOLID, N.O.S. (AMIDOSULFURON MIXTURE)

IMDG

UN-Number: 3077 Labels: 9 Packaging group: III
EmS: F-A , S-F Marine pollutant: Marine pollutant
Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (AMIDOSULFURON MIXTURE)

IATA

UN-Number: 3077 Labels: 9 Packaging group: III
Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (AMIDOSULFURON MIXTURE)

UK 'Carriage' Regulations

UN-Number: 3077 Labels: 9 Packaging group: III
Hazard no.: 90 Emergency action code: 2Z
Description of the goods: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
SOLID, N.O.S. (AMIDOSULFURON MIXTURE)

15. REGULATORY INFORMATION

This product has been classified in accordance with The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3 and any subsequent amendments.

Classification: Hazard warning labelling not compulsory

Hazardous components which must be listed on the label: • Amidosulfuron

CLASSIFICATION ACCORDING TO SPECIFIC UK REGULATIONS:

The labelling information below is that which has been approved under 'The Control of Pesticides Regulations 1986' and/or 'Part III of the Food and Environment Protection Act 1985' and/or 'Plant Protection Product Regulations 1999' and any subsequent amendments and may differ from that indicated by any toxicological and/or other testing otherwise indicated in this 'Safety Data Sheet'.

Symbol(s)

N Dangerous for the environment

R-phrases)

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases)

S35 This material and its container must be disposed of in a safe way.

S57 Use appropriate container to avoid environmental contamination.

Exceptional labelling

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

Further information

WHO-classification: III (Slightly hazardous)

16. OTHER INFORMATION

Further information

Text of R phrases mentioned in Section 3:

R20/22 Harmful by inhalation and if swallowed.

R37/38 Irritating to respiratory system and skin.

R41 Risk of serious damage to eyes.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The above information is intended to give general health and safety guidance on the storage and transport of the product. It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with. The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given. The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate. No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet. This version replaces all previous versions.