

AGRISTAR 75 WDG™

PROPERTIES OF AGRISTAR 75 WDG™

AGRISTAR 75 WDG™ is a highly active herbicide with foliar and root activity. The product is formulated as a water dispersible granule and can be used post-emergence on all varieties of spring barley, winter wheat and spring wheat from the three-leaf stage to the flag leaf emerged stage of growth. AGRISTAR 75 WDG™ controls a wide range of broad leaved weeds and is most effective if applied when the weeds are small and actively growing. Susceptible plants cease growth almost immediately after post-emergence treatment and symptoms can be seen about two weeks after application.

AGRISTAR 75 WDG™ is non-corrosive to equipment, non-flammable and non-volatile. Due to the high level of activity of the herbicide, special attention must be paid to the avoidance of spray drift onto nearby broad-leaved crops and to the thorough cleaning of the equipment - See Below.

INSTRUCTIONS FOR USE

It is important to identify the weeds occurring in the crop and refer to the Weed Control Section to ensure that the weeds present are those susceptible to AGRISTAR 75 WDG™.

TIMING

AGRISTAR 75 WDG™ must only be applied in the spring when the crop is between three leaves and the flag leaf fully emerged stage of growth.

AGRISTAR 75 WDG™ should not be applied within seven days of rolling the crop. Do not apply 'Cameo' more than once to any cereal crop.

RATE OF APPLICATION

AGRISTAR 75 WDG™ should be applied at 15 - 25 g/ha when used alone and in tank-mix with other herbicides.

One pack (50g) will treat 2 hectares (5 acres).

Application should be made in 100-200 liters of water per hectare (10-20 gal/ac), using suitable ground equipment to give good spray cover of the weeds. When crops are thick or weed growth is dense use 400 litres of water per hectare (40gal/ac).

When applying AGRISTAR 75 WDG™ care should be taken not to overlap spray swaths.

SOIL TYPE

AGRISTAR 75 WDG™ can be used on all soil types.

CROP AGRISTAR 75 WDG™ can be used on all varieties of spring barley, winter wheat and spring wheat between the growth stages given above. Do not apply AGRISTAR 75 WDG™ to any cereal crop previously treated with Chlorsulfuron.

AGRISTAR 75 WDG™ should not be used in crops undersown with grasses, clover or other legumes or any other broad-leaved crop.

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Environment And Wildlife Hazards

- Degradation and mobility studies (soil, water, air) In soil, DT50=1 day at pH5, 3-6 days at pH7, and 32 days at pH9.
- Toxicity to birds Acute oral LD50 for bobwhite quail >2250 mg/kg. Dietary LC50 (8 d) for bobwhite quail and mallard ducks >5620 mg/kg.
- Toxicity to fish LC50 (96 h) for bluegill sunfish and rainbow trout >1000 mg/l.
- Toxicity to honeybees/beneficial insects LD50 for honeybees >100 µg/bee
- Toxicity to earthworms, other soil invertebrates LD50 for earthworms >2000 ppm.

Toxicology profile:

- Acute Toxicological Data of the active ingredient(s)
 - Oral LD50 for rats: >5000mg/kg
 - Dermal LD50 for rats: >2000mg/kg
 - LC50 for rats: >6.7mg/l air
 Possibility of eye and skin irritation: non irritant to skin and moderate irritant to eyes.
- Acute toxicity data of the formulated product:
 - Oral LD50 for rats: >5000mg/kg
 - Dermal LD50 for rats: >5000mg/kg
 - LC50 for rats: >6.7mg/l air
 Possibility of eye and skin irritation: non irritant to skin and moderate irritant to eyes.

RECOMMENDATIONS FOR USE:

Crops	Soil Type	Rate Per Hectare	Remarks
Wheat	All types	15g per hectare + approved Non Non Ionic adjuvant /100 litres spray mixture.	Apply as a post-emergent application before the crop canopy closes, thus preventing the spray mixture from effectively covering the weeds. Most of the weeds should have germinated, but the recommended time of application must not be exceeded. See also NOTES below.

FIRST AID MEASURES:

First Aid Treatment: If poisoning occurs, contact a doctor, or Poisons Information Centre. If swallowed, and if more than 15 minutes from a hospital, induce vomiting preferably using Ipecac Syrup APF. If skin contact occurs, remove clothing and wash skin thoroughly.

Skin Contact: Wash all parts contaminated including the hair with water and soap.

Eye Contact: Rinse the eyes for 10 minutes and consult the ophthalmologist in the event of problem.

Inhalation: If inhaled, take the patient out of the affected area to a more open well ventilated area. Call physician immediately.

Ingestion: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Consult a physician if necessary.

Stability in storage: Minimum 2 years when stored under normal conditions.

Store in original packaging. Read the label carefully and use the product accordingly. Use pesticide safety.

Please note:

- Do not apply under dry growing conditions during winter. Apply only after spring rains have occurred. If spring rains are late and weeds have developed too far variable weed control may result from a application.
- Established weeds not killed by cultivation or showing signs of regrowth will not be controlled.
- Do not apply when the crop shows signs of stress e.g. drought.
- Although temporarily yellowing of the leaves and/or a reduction in the straw length may occur after application, yield will not be adversely affected.
- The best results will be obtained when applied to young, actively growing weeds under moist conditions.

Disclaimer: This information and all further technical advice is based on our present knowledge. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. In the event of any discrepancies between the information stated herein or any other information source and the information stated on the label of the product, the information stated on the label of the product will prevail. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of the customer. Reference to trade names use by other companies is neither a recommendation, nor does it imply that similar products could not be used.

NOTE: The suggested rates of application are designed for typical South African conditions and such should be used as a guide only. Each farmer's climatic conditions, water quality, soil types, application processes and practices may differ and therefore necessitate corrections to ensure optimum results. Good agricultural practice requires that application be avoided under extreme weather conditions such as temperatures over 28°C, high humidity, frost, rain etc. It is recommended that when applying to a crop or area for the first time, or in combination with other chemicals, a small test area should be sprayed and observed prior to the total spray. Where possible, it is recommended that regular leaf (sap) tests are conducted to determine actual plant nutrient availability during each growth cycle. Soil tests at least once per year are essential.

Supplied by:

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