

# Ubeniq<sup>®</sup>

Rinskor<sup>®</sup> active

## HERBICIDE

### ACTIVE CONSTITUENT:

300 g/L FLORPYRAUXIFEN-BENZYL

**GROUP I HERBICIDE**

A suspension concentrate formulation for in-flood control of sedge and broadleaf weeds in rice as specified in the DIRECTIONS FOR USE.

**SHAKE WELL BEFORE USE.**

**Pack Sizes: 1 L & 5 L**

### READ SAFETY DIRECTIONS BEFORE OPENING OR USING

#### FIRST AID

If poisoning occurs contact a doctor or Poisons Information Centre.  
Phone: *Australia* 13 11 26.

#### SAFETY DIRECTIONS

May irritate the eyes • Avoid contact with eyes • Wash hands after use.

#### SAFETY DATA SHEET

Additional information is listed in the Safety Data Sheet for **UBENIQ<sup>®</sup> HERBICIDE** which is available from Corteva Agriscience on request. Call Customer Service Toll Free on 1-800 700 096 or visit [www.corteva.com.au](http://www.corteva.com.au)

**EMERGENCY RESPONSE  
(ALL HOURS)**  
RING FROM ANYWHERE IN  
AUSTRALIA  
**1800 370 754**  
(LOCAL CALL FEE ONLY)

IN A TRANSPORT  
EMERGENCY ONLY  
**DIAL 000**  
FOR POLICE OR  
FIRE BRIGADE



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**Visit us at [corteva.com.au](http://corteva.com.au)**

## DIRECTIONS FOR USE

### RESTRAINTS

**DO NOT** apply to crops or weeds which may be stressed due to a range of factors including, but not limited to prolonged cold, sustained high temperatures, poor nutrition (including deficiency and trace element toxicity), root diseases or previous herbicide treatment as reduced weed control and/or increased crop injury may result.

**DO NOT** treat weeds if mud, cracks or firm soil have appeared through fields prior to treatment, as poor control will result due to moisture stress.

**DO NOT** treat weeds of high density or growth stage larger than specified in the **DIRECTIONS FOR USE** as poor control will result.

**DO NOT** apply if rain is likely within one (1) hour as weed control may be reduced.

**DO NOT** apply any later than panicle initiation growth stage of rice (BBCH 30).

**DO NOT** apply prior to three (3) leaf growth stage of rice (BBCH 13).

**DO NOT** apply more than one (1) application per season, and follow Integrated Weed Management techniques, which include use of a foundation treatment at planting that is effective on the target weeds.

**DO NOT** apply by application methods other than SCWIIRT (Soluble Chemical Water Injection In Rice Technique).

### SPRAY DRIFT RESTRAINTS

**DO NOT** apply when wind speed is less than 3 or more than 20 kilometres per hour as measured at the application site.

**DO NOT** apply during surface temperature inversion conditions at the application site.

Users of this product **MUST** make an accurate written record of the details of each spray application within 24 hours following application and **KEEP** this record for a minimum of two (2) years. The spray application details that must be recorded are:

1. Date with start and finish times of application;
2. Location address and paddock/s sprayed;
3. Full name of this product;
4. Amount of product used per hectare and number of hectares applied to;
5. Crop/situation and weed/pest;
6. Wind speed and direction during application;
7. Air temperature and relative humidity during application;
8. Nozzle brand, type, spray angle, nozzle capacity and spray system pressure measured during application;
9. Name and address of person applying this product. (Additional record details may be required by the state or territory where this product is used).

## DOWNWIND MANDATORY NO-SPRAY ZONES

### Aquatic areas

**DO NOT** apply if there are aquatic or wetland areas including aquacultural ponds, surface streams and rivers downwind from the application area and within the **mandatory no-spray zones** shown in Table 1 below.

Table 1 – No-Spray Zones for Protection of the Aquatic Environment		
FOR AERIAL SCWIIRT or Bickley boom (in-flood) APPLICATION		
Wind Speed Range at Time of Application	Downwind Mandatory No-Spray Zone	
	Fixed-wing	Helicopter*
From 3 to 7 kilometres per hour	5 metres	5 metres
From 7 to 14 kilometres per hour	10 metres	
From 14 to 20 kilometres per hour	20 metres	
FOR GROUND SCWIIRT (in-flood) APPLICATION		
From 3 to 20 kilometres per hour	Not required	

\*For helicopter operation at speeds greater than 50 knots users must observe the fixed-wing no-spray zones when applying in-flood applications via SCWIIRT or Bickley boom.

### Terrestrial areas

**DO NOT** apply if there are sensitive crops, gardens, landscaping vegetation, protected native vegetation or protected animal habitat downwind from the application area and within the **mandatory no-spray zones** shown in Table 2 below.

Table 2 – No-Spray Zones for Protection of the Terrestrial Environment		
FOR AERIAL SCWIIRT or Bickley boom (in-flood) APPLICATION		
Wind Speed Range at Time of Application	Downwind Mandatory No-Spray Zone	
	Fixed-wing	Helicopter*
From 3 to 7 kilometres per hour	250 metres	40 metres
From 7 to 14 kilometres per hour	300 metres	60 metres
From 14 to 20 kilometres per hour		
FOR GROUND SCWIIRT (in-flood) APPLICATION		
From 3 to 20 kilometres per hour	Not required	

\*For helicopter operation at speeds greater than 50 knots users must observe the fixed-wing no-spray zones when applying in-flood applications via SCWIIRT or Bickley boom.

**Table 1: WEEDS CONTROLLED OR SUPPRESSED IN RICE – SCWIIRT or Bickley boom (in-flood) application.**

**DO NOT** apply any later than panicle initiation growth stage of rice (BBCH 30). **DO NOT** apply prior to three (3) leaf growth stage of rice (BBCH 13). Always use UBENIQ™ (Ubeniq) in sequence after foundation herbicide treatments that have a different mode of action.

Always apply with Uptake™ Spraying Oil, Hasten® Spray Adjuvant or Loveland Products MSO™ with Leci-Tech™ ● Spray Adjuvant at 2-4 L/ha in total spray volume of 5-20 L/ha. Pre-mix Ubeniq™ thoroughly in oil, then once fully dispersed, add remaining water to make up total spray mix volume.			
WEEDS CONTROLLED	WEED GROWTH STAGE	RATE (mL/ha)	CRITICAL COMMENTS
Arrowhead ( <i>Sagittaria calycina</i> )	Up to 4 leaf and not more than 5 cm across	150	See WATER MANAGEMENT in GENERAL INSTRUCTIONS. A follow up treatment with a herbicide having a different mode of action may be required for complete control of weeds larger than label size or growth stage.
<b>Suppression</b> Dirty dora ( <i>Cyperus difformis</i> )	Up to 2 leaf stage and not more than 3 cm across		
Jerry Jerry ( <i>Ammania multiflora</i> )	Up to 4 leaf and not more than 5 cm across		
Starfruit ( <i>Damasonium minus</i> )			
Water plantain ( <i>Alisma plantago-aquatica</i> )			

**NOT TO BE USED FOR ANY PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL  
UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.**

**WITHHOLDING PERIODS**

Harvest: **NOT REQUIRED WHEN USED AS DIRECTED.**

Grazing: **DO NOT GRAZE OR CUT TREATED CROPS FOR STOCK FEED FOR 7 DAYS AFTER APPLICATION.**

**LIVESTOCK DESTINED FOR EXPORT MARKETS**

When Ubeniq Herbicide is used as directed and the above WITHHOLDING PERIOD is observed, livestock commodities are considered acceptable for export.

When using Ubeniq in a tank mix with another product, observe whichever HARVEST or GRAZING/STOCK FEED WITHHOLDING PERIOD that is the longer of the products used.

**CROP SAFETY**

Minor, transient crop effects may be observed following an application of Ubeniq. Grain yield is unaffected.

Crop effects may be slight leaf crinkling, height or minor growth retardation. Crops that are stressed due to one or more factors may be more likely to show crop effects and will be slower to recover. **DO NOT** apply to crops or weeds which may be stressed due to a range of factors including, but not limited to prolonged cold, sustained high temperatures, poor nutrition (including deficiency and trace element toxicity), root diseases or previous herbicide treatment as reduced weed control and/or increased crop injury may result. **DO NOT** apply prior to three (3) leaf growth stage of rice (BBCH 13). **DO NOT** apply any later than panicle initiation growth stage of rice (BBCH 30).

## GENERAL INSTRUCTIONS

Ubeniq is an arylpicolinate herbicide for in-flood use in rice. It will not reliably control weeds that emerge after treatment. Best results are achieved under good growing conditions. Treatment of crop or weeds that are stressed must be avoided. Ubeniq should only be used to treat small seedling weeds. Treatment of weeds larger than on the label will result in reduced control or possible treatment failure.

## WATER MANAGEMENT

Ubeniq may be directly applied to floodwater by SCWIIRT rig, using a minimum of 5-20 L spray mix/ha by steel wheeled tractor, all wheel drive motorbike or aircraft (helicopter or plane). Apply to seedling weeds, more than 12 hours after water movement has stopped and is clear of sediment, with flood depth sufficient to allow even distribution throughout the bay and enable full water coverage of soil for a lock-up period of five (5) days. Ensure flood gates are secured to avoid water movement. Treated bays may be topped up for normal water management after the five (5) day lock-up period. Reduced weed control will result where there is muddy water, too shallow to allow effective mixing or where soil is exposed.

## RESISTANT WEEDS WARNING

### GROUP I HERBICIDE

Ubeniq contains a member of the arylpicolinate group of herbicides. The product has the disrupters of plant cell growth mode of action. For weed resistance management, the product is a Group I herbicide.

Some naturally-occurring weed biotypes resistant to Ubeniq and other Group I herbicides may exist through normal genetic variability in any weed population. The resistant individuals can eventually dominate the weed population if these herbicides are used repeatedly. These resistant weeds may not be controlled by Ubeniq or other Group I herbicides.

Since the occurrence of resistant weeds is difficult to detect prior to use, Dow AgroSciences Australia Limited accepts no liability for any losses that may result from the failure of this product to control resistant weeds.

Strategies to minimize the risk of herbicide resistance are available. Consult your farm chemical supplier, consultant, Rice Crop Protection Guide (NSW DPI) or the CropLife website ([www.croplifeaustralia.org.au](http://www.croplifeaustralia.org.au)).

A follow-up treatment of Basagran®/MCPA for broadleaf weeds or Barnstorm™ Herbicide for grass weeds is recommended where needed to give a second mode of action, to limit the likelihood of weed survival and onset of resistance. To reduce the risk of weed resistance, it is recommended to use two (2) or more mode of action treatments for rice weed management in any season and follow Integrated Weed Management techniques, which include use of a foundation treatment at planting, as outlined in the Rice Crop Protection Guide. Foundation treatment at planting is essential for effective rice weed management in either water or drill seeded rice.

## CROP ROTATION RECOMMENDATIONS

Safe recropping periods apply for all crops following Ubeniq application. Susceptible crops include, but are not limited to, those listed in the table below. Also see PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS.

Crop to be Sown	Application Rate (mL/ha)	Minimum Time from Application to Planting
Barley, oats, triticale, wheat, ryegrass	150	4 weeks
Legumes (grain or pasture)		6 months

Ubeniq is broken down in soil by microbial activity. Quickest breakdown occurs in warm, moist soil that favours highest microbial activity. Breakdown may be slow in very dry seasons, or in cold, waterlogged soils, extending the safe plant back interval for susceptible crops.

- Rotational crops may only be planted after both the time and rainfall requirement have been met.
- Plantback periods for other crops have not yet been established. Contact your Dow AgroSciences representative.

## WEED DENSITY:

Control may be reduced where weed density is very high and limits movement in floodwater.

## WEED GROWTH STAGE:

Best results are achieved when applied to small, seedling weeds up to four (4) leaf growth stage.

## APPLICATION

### SCWIIRT application – in-flood

Ubeniq may be directly applied to floodwater by SCWIIRT rig, using 5-20 L spray mix/ha by steel wheeled tractor, all wheel drive motorbike or aircraft (plane or helicopter).

### MIXING

Measure the required quantity of liquid and pre-mix with 2-4 L crop oil e.g. Uptake Spraying Oil. Ensure that Ubeniq is thoroughly dispersed in crop oil, then add to water to make up the remaining spray volume. Apply in total spray mix volume of 5-20 L/ha. Apply immediately after mixing Ubeniq plus crop oil with water. DO NOT leave to stand in pre-mix vat or plane. Maintain continuous agitation until mix applied.

### COMPATIBILITY

#### Adjuvants:

Uptake™ Spraying Oil at 2-4 L/ha is the recommended adjuvant. Hasten® Spray Oil or Loveland Products MSO™ with Leci-Tech™ 1 Spray Adjuvant may be used as an alternative at 2-4 L/ha. Use the higher rate where weeds are large or dense at spray time.

### CLEANING SPRAY EQUIPMENT

After using Ubeniq, empty the tank completely and drain the whole system. Thoroughly wash inside the tank using a pressure hose, drain the tank and clean tank, pump, line and nozzle filters.

**Partial Cleaning – Rinse only:** before using sprayer to treat wheat, barley, oats or triticale:

After cleaning the tank as above, quarter fill the tank with clean water and circulate through the pump, line, hoses and nozzles. Drain and repeat procedure twice.

**Complete Cleaning – Decontamination:** before using sprayer to treat crops that are sensitive to Ubeniq:

Wash the tank and rinse as above. Then quarter fill the tank and add a standard alkali based laundry detergent at 500 g (or mL)/100 L water and circulate throughout the system for at least 15 minutes. If using a concentrated laundry detergent use 250 g (or mL)/100 L water. Do not use chlorine-based cleaners.

**Rinse water should be discharged onto a designated disposal area or, if this is unavailable, onto unused land away from desirable plants and their roots and watercourses.**

## RE-ENTRY PERIOD

Not required.

## PROTECTION OF CROPS, NATIVE AND OTHER NON-TARGET PLANTS

**DO NOT** apply under weather conditions or from spraying equipment that may cause spray to drift onto non-target vegetation.

Refer to **CROP ROTATION RECOMMENDATIONS** for crop rotation information. Crops susceptible to Ubeniq include, but are not limited to, grain legumes (summer or winter), millets (*Echinochloa* spp), lucerne, pasture legumes, cotton, fruit, hops, ornamentals, potatoes, safflower, beets, sunflower, tobacco, tomatoes, poppies, all vegetables and vines.

## PROTECTION OF WILDLIFE, FISH, CRUSTACEANS AND ENVIRONMENT

Ubeniq is very toxic to aquatic life. **DO NOT** contaminate wetlands or watercourses with this product or used containers.

## PROTECTION OF LIVESTOCK

- **DO NOT** graze or cut treated crops or plants for stock feed except as specified under withholding periods.
- Poisonous plants may become more palatable after spraying and stock should be kept away from these plants until they have died down.

## STORAGE AND DISPOSAL

KEEP OUT OF REACH OF CHILDREN.

Store in the closed, original container in a securely locked, dry, cool, well-ventilated place, out of direct sunlight.

DO NOT store near food, feedstuffs, fertilisers or seed.

The method of disposal of the container depends on the container type. Read the STORAGE AND DISPOSAL instructions on the label that is attached to the container.

## SPILL AND LEAK MANAGEMENT

Do not touch or walk through spilled material.

Wear a face shield or goggles, overalls buttoned to neck and wrist, chemical resistant gloves and footwear.

Stop leak when safe to do so. Dam area and prevent entry into waterways, and drains.

**Small spills/leaks:** Absorb with material such as sand, soil or sawdust. Collect spilled product and place in sealable container for disposal.

Spill residues may be cleaned using water and detergent. Contain and absorb wash water for disposal.

Absorb and collect washings and place in the same sealable container for disposal. Dam the area of large spills and report them to Dow AgroSciences Emergency Services at 1-800 370 754.

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**APVMA Approval No.: 86450/115785**

This product is GHS compliant. No additional GHS hazard and precautionary statements are required under the Safe Work Australia exemptions for AgVet products.

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