



# ISOMEK ULTRA

MAPP16033

A soluble concentrate formulation containing 310 g/L (26.2% w/w) dichlorprop-p acid, 160 g/L (13.5% w/w) MCPA acid and 130 g/L (11.0% w/w) mecoprop-p acid formulated as the dimethylamine salt for the control of broad-leaved weeds in cereals

Net Contents: 1 to 20 L e

Batch No. XXXXX

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

PROTECT FROM FROST

Nufarm UK Limited  
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Wyke  
Bradford  
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**Technical Helpline telephone number 01274 694714**  
**24-hour emergency telephone number 01274 696603**

## ISOMEC ULTRA

A soluble concentrate formulation containing 310 g/L Dichlorprop-p, 160 g/L MCPA and 130 g/L Mecoprop-p



## DANGER

**Harmful if swallowed.**

**Causes serious eye damage.**

**May cause an allergic skin reaction.**

Avoid breathing mist/vapours/spray.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/attention.

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.

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

## IMPORTANT INFORMATION FOR USE ONLY AS AN AGRICULTURAL HERBICIDE

Crop	Maximum individual dose	Maximum number of treatments	Latest time of application
Wheat, Barley, Oats, Rye, Triticale, Spelt and Durum Wheat	2.5 L product/ha	1 per crop	Before 2 <sup>nd</sup> node detectable stage

***Other Specific Restrictions***

The total amount of Mecoprop-p applied to an individual crop, or in a single year in the case of a perennial crop, must not exceed the maximum total dose of Mecoprop-p approved for application to that crop by any single Mecoprop-p containing product.

The earliest time of application for all crops is the 1 March in the year of harvest

**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.**

## **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 CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces

However, engineering controls may replace personal protective equipment if a COSHH assessment shows 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

### **Environmental Protection**

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

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**

DO NOT RE-USE CONTAINER for any purpose.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

KEEP IN ORIGINAL CONTAINER, tightly closed and in a safe place.

WASH OUT CONTAINER THOROUGHLY, and dispose of safely.

## 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** spray cereals that have been, or are to be, undersown with clover.

**Do not** roll or harrow crops within a week of spraying.

**Avoid** overlapping spray swathes.

**Do not** apply during cold weather or drought.

**Do not** apply during rain or if rain is expected.

**Do not** spray in windy weather and avoid drift onto broad-leaved plants outside the target area.

### WEEDS CONTROLLED

#### **Weeds Controlled in Cereals**

##### **Susceptible at 1.5 L product/ha**

Charlock	<i>Sinapis arvensis</i>	5cm across/high
Common Chickweed	<i>Stellaria media</i>	5cm across/high
Crane's-bill species	<i>Geranium</i> spp.	6 true leaves
Fat Hen	<i>Chenopodium album</i>	5cm across/high
Shepherd's Purse	<i>Capsella bursa-pastoris</i>	4 true leaves

##### **Susceptible at 2.0 L product/ha**

Common Poppy	<i>Papaver rhoeas</i>	5cm across/high
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##### **Susceptible at 2.5 L product/ha**

Buttercups	<i>Ranunculus</i> species	6 true leaves
Cleavers	<i>Galium aparine</i>	5cm across/high
Common Mouse Ear	<i>Cerastium holosteoides</i>	5cm across/high
Corn Spurrey	<i>Spergula arvensis</i>	5cm across/high
Hempnettles	<i>Galeopsis</i> spp.	4 true leaves

##### **Moderately Susceptible at 1.5 L product/ha**

White clover	<i>Trifolium repens</i>	5cm across/high
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##### **Moderately Susceptible at 2.0 L product/ha**

Creeping Thistle #	<i>Cirsium arvense</i>	6 true leaves
Deadnettle species	<i>Lamium</i> spp.	Before flowers
Fumitory	<i>Fumaria officinalis</i>	8 true leaves
Runch	<i>Raphanus raphanistrum</i>	Before side shoots form

##### **Moderately Susceptible at 2.5 L product/ha**

Field Pansy	<i>Viola arvensis</i>	4 true leaves
Mayweeds	<i>Matricaria</i> species	2 true leaves
Oilseed rape	<i>Brassica napus</i>	3 true leaves
Redshank	<i>Polygonum persicaria</i>	2 true leaves
Speedwells	<i>Veronica</i> species	6 true leaves

# Creeping thistle will be effectively controlled, but some re-growth may occur from rhizomes.

## **CROP SPECIFIC INFORMATION**

### **CEREALS**

ISOMEK ULTRA can be used on all commercial varieties of winter and spring sown wheat, winter and spring sown barley, winter and spring sown oats, rye, triticale, spelt and durum wheat.

#### **Rate of use**

Apply ISOMEK ULTRA at 1.5 - 2.5 L product/ha. Use the appropriate rate as indicated in the weed control table.

#### **Water Volume**

200 to 400 L water/ha. Use the higher rate in dense stands of cereals, or if weed growth is dense.

#### **Timing**

##### **Winter Sown Wheat, Barley, Durum Wheat, Rye, Oats, Spelt and Triticale:**

Apply ISOMEK ULTRA in the spring from leaf sheath erect stage until before the 2<sup>nd</sup> node detectable stage (GS 32).

##### **Spring Sown Wheat, Barley, Rye, Oats, Spelt and Triticale:**

Apply ISOMEK ULTRA from first leaf fully expanded stage until before the 2<sup>nd</sup> node detectable stage (GS 32).

Spray weeds when the crop is actively growing and is at the correct growth stage. The best results will be obtained if spraying is done while the majority are at the seedling stage. However, spraying at the seedling stage is not advised if temperatures are low and should be delayed until temperatures increase and growth becomes more active. Optimum control will be achieved by spraying when the temperature is above 10°C.

#### **Application**

##### **Spray Quality**

Apply as a medium quality spray (as defined by BCPC). A spray pressure of 2-3 bar is recommended.

## **Mixing and Spraying**

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 ISOMEK ULTRA and continue agitation whilst adding the rest of the water.

Agitate the mixture thoroughly before use and continue agitation during spraying.

Thoroughly wash all spray equipment immediately after use.

## **Drift**

Do not spray in windy conditions as the spray drift may cause damage to neighbouring crops. The following crops are particularly susceptible: sugar beet, oilseed rape, peas, turnips and most market garden crops including lettuce and tomatoes under glass.

## **Succeeding Crops**

In the event of crop failure for whatever reason following the use of ISOMEK ULTRA, a period of 90 days should elapse before planting a broad-leaved crop. Deep ploughing should be carried out prior to planting any succeeding crop.

## **Resistance Management**

When herbicides with the same mode of action are used repeatedly over several years in the same field, selection of resistant biotypes can take place. These can propagate and may become dominating. A weed species is considered to be resistant to a herbicide if it survives a correctly-applied treatment at the recommended dose. A strategy for preventing and managing such resistance should be adopted. This should include integrating herbicides with a programme of cultural control measures. Guidelines have been produced by the Weed Resistance Action Group and copies are available from the HGCA, CPA, your distributor, crop adviser or product manufacturer

## **MIXING:**

Apply using a conventional ground vehicle mounted/drawn equipment. Ensure that all application equipment is clean. Add half the required volume of water and start agitation, add the required quantity of ISOMEK ULTRA. Fill the tank to the required volume of water whilst maintaining agitation. Continuous agitation must be maintained until spraying is complete.

Thoroughly wash all spray equipment immediately after use. Traces of ISOMEK ULTRA can cause harm to susceptible crops sprayed later.

## **COMPANY ADVISORY INFORMATION**

This section is not part of the Product Label under the Plant Protection Products Regulations 2011. It provides additional advice on product use at the discretion of the applicant.

**TERMS AND CONDITIONS OF SUPPLY, SALE OR USE**

All goods supplied by Nufarm UK Ltd. are high grade and we believe them to be suitable for the purpose for which we expressly supply them: but as we cannot exercise any control over their mixing, use or 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 and no responsibility will be accepted by us or our Associate Companies for any damage or injury whatsoever arising from their storage, handling, re-application or use. These conditions cannot be varied by our staff, our agents or the re-sellers of the product whether or not they supervise or assist in the use of such goods.