

Hatchet Xtra[®]



PCS No 05091

This product is an emulsifiable concentrate containing 200g/l (20.4% w/w) fluroxypyr (acid equivalent) present as 288g/L of the 1-methyl heptyl ester, and aromatic naphtha. Hatchet Xtra is a post-emergence herbicide for the control of a range of annual and perennial weeds in Winter and Spring Cereals, forage maize and grassland.

Net Contents: X Litres e

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 applying by hand-held equipment. AVOID CONTACT WITH SKIN.

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

WASH CONCENTRATE from skin or eyes immediately.

WASH HANDS AND EXPOSED SKIN before eating and drinking and after work.

DO NOT BREATHE SPRAY.

WHEN USING DO NOT EAT DRINK OR SMOKE.

IF YOU FEEL UNWELL, seek medical advice immediately (show label where possible).

Environmental Protection

DO NOT CONTAMINATE WATER with product or its container. Do not clean application equipment near surface water. Avoid contamination from farmyards and roads.

Livestock must be kept out of treated areas for at least 3 days following treatment. IF RAGWORT IS PRESENT, FOLLOW THE GUIDANCE IN THE 'DIRECTIONS FOR USE'.

To protect aquatic organisms, respect and unsprayed buffer zone of 5m to surface water bodies.

Storage and Disposal

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

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank, and dispose of safely.

DO NOT RE-USE CONTAINER for any purpose.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

USE APPROPRIATE CONTAINMENT TO AVOID ENVIRONMENTAL CONTAMINATION.

Hatchet Xtra

An emulsifiable concentrate containing 200g/L (20.4% w/w) fluroxypyr (acid equivalent) present as 288g/L of the 1-methyl heptyl ester, and aromatic naphtha.



DANGER

**FLAMMABLE LIQUID AND VAPOUR.
MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
CAUSES SKIN IRRITATION.
MAY CAUSE AN ALLERGIC SKIN REACTION.
CAUSES SERIOUS EYE IRRITATION
MAY CAUSE DROWSINESS OR DIZZINESS.
VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing vapors or spray

IF SWALLOWED: Immediately call a poison centre or doctor/ physician

IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

IF IN EYES: Immediately call a poison centre or doctor. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Dispose of contents/container to a licensed hazardous-waster disposal contractor or collection site except for triple rinsed 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.

PCS 05091

**IMPORTANT INFORMATION
FOR USE ONLY AS A PROFESSIONAL AGRICULTURAL HERBICIDE**

CROPS	MAXIMUM INDIVIDUAL DOSE (LITRES PRODUCT/HA)	MAXIMUM NUMBER OF TREATMENTS	LATEST TIME OF APPLICATION
Wheat (winter), barley (winter)	1.0	1 per crop	Before GS 47 (flag leaf sheath extending stage)
Oats (winter), rye, triticale, durum wheat	1.0	1 per crop	Before GS 32(second node detectable stage)
Wheat (spring), barley (spring)	0.75	1 per crop	Before GS 41 (flag leaf sheath extending stage)
Oats (spring)	0.75	1 per crop	Before GS 32 (second node detectable stage)
Forage maize & grain maize (open crop)	1.0	1 per crop	Before GS 17 (seven leaves unfolded stage)
Grassland (established)	2.0	1 per crop	-
Grassland (new leys)	0.75	1 per annum (see 'other specific restrictions')	-

OTHER SPECIFIC RESTRICTIONS:

1. Livestock should be removed

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.

PROTECT FROM FROST

SHAKE WELL BEFORE USE

Marketed by:



Certis Europe BV, Suite 5, 3 Riverside, Granta Park, Great Abington, Cambridgeshire, CB21 6AD

Tel: 0044 (0)845 373 0305 Fax: 0044 (0)1223 891210

E-mail: certis@certiseurope.co.uk

For technical and non-emergency calls – phone 0044 (0)1223 894261

**For advice on medical emergencies, fires, spillages or chemical hazards only –
phone 0870 190 6777**

Approval holder: Mitsui AgriScience International S.A./N.V., Molesworth House, 1-2
South Frederick Street, Dublin D02 N820, IRELAND

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CONDITIONS OF SUPPLY: The Seller warrants that the goods shall at the time of delivery to the Buyer conform to the Seller's standard specification but all other conditions and warranties, whether express or implied by statute or custom of the trade or otherwise and whether as to condition, quality, performance, merchantability, fitness for any purpose or otherwise, are expressly excluded and, subject as aforesaid, the Seller shall be under no liability whatsoever, in contract or in tort, for or in respect of any loss or damage whatsoever resulting from or arising out of the goods or supply or use thereof, whether caused by the negligence of the Seller or otherwise. The Seller shall be under no liability in respect of the warranty given above unless the Buyer allows the Seller reasonable opportunity of inspecting the goods where practicable. A consumer's statutory rights are not affected

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.

HATCHET XTRA is a selective post-emergence herbicide for the control of a range of annual and perennial weeds in cereals, forage maize and newly-sown grass leys.

Crop failure

In the event of a cereal crop failure the following crops can be sown: Spring cereals, spring oilseed rape, maize, onion, cultivated poppies and new leys. A minimum interval of 5 weeks is required and there are no cultivation restrictions.

Rotational crops

All crops can be sown following an application of HATCHET XTRA.

RESTRICTIONS

Where ragwort is present users should consult the Code of Practice on How to Prevent the Spread of Ragwort. Ragwort plants sprayed with this herbicide are more palatable with higher levels of toxins. Animals should be excluded from treated areas until any ragwort has completely recovered or died and there is no visual sign of the dead weed. Do not include treated ragwort in hay or silage crops.

Do not spray HATCHET XTRA to crops undersown with clover or other legume-containing mixtures.

Do not treat crops that are or have been under stress from any cause, including poor soil or cultural conditions, adverse climatic conditions, waterlogging or drought, pest or disease attack, nutrient deficiency, or any other cause.

For optimum results, apply **HATCHET XTRA** when the weeds are small and actively growing. The crop should be growing strongly to provide good competition with the weeds.

Crops which are undersown with grass may be sprayed provided the grasses are tillering.

Avoid spray drift onto other crops or areas.

Do not spray if frost is likely to occur soon after spraying, during periods of frosty weather, or during periods of low night temperatures.

Do not roll or harrow 1 week before or after application.

Apply to dry foliage, when rain is not imminent.

Contract agents should be consulted before using on crops grown for seed.

HATCHET XTRA will not control weeds that emerge after application.

ONLY one application of **HATCHET XTRA** may be made per crop or year (see statutory conditions of approval).

When the product is applied as a spot treatment to newly sown grass leys the maximum concentration must not exceed 30ml product per 10 litres water.

A maximum total dose of 0.75 litres per hectare must be observed for applications made to cereals between crop emergence in the year of planting and 1st February in the year of harvest.

CROP SPECIFIC INFORMATION

A. OVERALL APPLICATION (Newly Sown Leys)

Do not treat crops where clover or other legumes are an important part of the sward.

Newly-sown grass leys (Autumn and Spring application):

HATCHET XTRA is applied at 0.75 litres/ha on newly sown grass leys (in 200-400 litres water/ha). Always use the higher volume of water recommended when the grass growth is thick, or weeds are at the maximum recommended growth stage for treatment. Always use a water volume that will ensure good spray coverage of the weeds.

HATCHET XTRA is recommended for the control of Common Chickweed in newly-sown grass leys. The grass must have at least 3 fully expanded leaves at the time of treatment. Common Chickweed will be controlled at up to 5 cm.

Apply 0.75 litres per hectare of **HATCHET XTRA** in 200 – 400 litres of water per hectare. Apply in the autumn or spring when the weeds are actively growing. Do not apply more than a total maximum dose of 0.75 litres of **HATCHET XTRA** per hectare per year.

B. SPOT APPLICATION (Grassland including newly sown leys)

Where weed populations are too low to justify overall spraying, **HATCHET XTRA** may be applied as a spot treatment to established grassland and newly sown grass leys, using a spray concentration of 30ml **HATCHET XTRA** in 10 litres of water. Spray to evenly wet the foliage, to just before the point of run-off.

Keep livestock out of treated areas until the foliage of any poisonous weeds such as Ragwort has died and become unpalatable; under certain conditions, this may take

several weeks. The grazing / cutting management regime must be planned in advance to allow sufficient time for this to occur.

Weed species	Timing and notes
Curled dock Broad-leaved dock	After cutting or grazing, ensure that sufficient weed foliage is present and that the docks are actively growing before spraying. Delay spraying for 2-3 weeks after cutting or grazing. Apply in spring when the docks are at the rosette stage, and between 15-20cm. Additional treatment in the spring of the following year may be required where dock populations are dense or well established.
Dandelion	Apply in the spring when actively growing, but prior to flowering
Common nettle	For a reduction in top growth, apply in the spring when growing actively, but prior to flowering (normally up to mid June)
Bramble, broom	Spray when the plant is actively growing in June-August but before growth begins to slow in the autumn. Incomplete eradication may result if the foliage is inadequately wetted.

Forage Maize

HATCHET XTRA is recommended for the control of Black Nightshade from cotyledons up to 6 leaves stage.

HATCHET XTRA will not control Black Nightshade which has not emerged at the time of application.

The maize must be between the 3 – 6 leaf stage and must not be over 20 cm in height.

Do not apply HATCHET XTRA if the side roots have started to develop on the first node.

Apply 1.0 litre per hectare of **HATCHET XTRA** in 200 – 300 litres of water per hectare. Do not apply more than a total maximum dose of 1.0 litre of **HATCHET XTRA** per hectare per year.

Do not apply **HATCHET XTRA** in a tank mix with any other product or if the crop is beyond the recommended growth stage. Boom overlap must be avoided.

Cereals

A. Spring Application to Winter and Spring Cereals

HATCHET XTRA may be applied in the Spring according to the Crops, Timing and Rates listed in the table below.

The recommended spray volume is 200-400 litres of water per hectare. Only use low rate on small weeds in very open crops. Increase the volume to 400 litres of water per hectare in thick crops and where weed cover is thick.

Crop	Timing of Application	Rate L/ha	Weeds Controlled & Maximum Growth Stage for Control
Winter Wheat Winter Barley	Apply from the 2 leaf stage (GS 12) until before flag leaf sheath opening stage (GS47)	1.0	Cleavers (flowering) Common Chickweed (flowering) Common hemp-nettle (flowering) Field forget-me-not (flowering) Black Bindweed (6 leaves) Henbit dead nettle (4 leaves) Red dead-nettle (4 leaves) Knotgrass (2 leaves)
Winter Oats Winter Rye Durum Wheat Triticale	Apply from the 2 leaf stage (GS 12) until before the second node detectable stage (GS32)	1.0	Common Fumitory (2 leaves) Groundsel (checked at 2 leaves) Mayweeds (checked at 2 leaves) Redshank (checked at 2 leaves) Common field-speedwell (checked at 2 leaves) Ivy-leaved Speedwell (checked at 2 leaves) Pale persicaria (checked at 2 leaves)
Spring Wheat Spring Barley	Apply from the 2 leaf stage (GS 12) up to and including the flag leaf ligule just visible stage (GS 41).	0.75	Cleavers (10 cm) Common Chickweed (10 cm) Common hemp-nettle (10 cm) Field forget-me-not (5 cm) Black Bindweed (4 leaves) Knotgrass (2 leaves) Common Fumitory (2 leaves) Corn spurrey (2 leaves)
Spring Oats	Apply from the 2 leaf stage (GS 12) until before second node detectable stage (GS32).	0.75	Groundsel (checked at 2 leaves) Mayweeds (checked at 2 leaves) Redshank (checked at 2 leaves) Common field-speedwell (checked at 2 leaves) Ivy-leaved Speedwell (checked at 2 leaves) Pale persicaria (checked at 2 leaves)

Cereal crops undersown with grass may be treated if the grass has reached the tillering stage. Do not treat crops undersown with clover or other legumes.

GENERAL INFORMATION

Mixing Instructions

Shake the container before use. Place half the required amount of clean water in the spray tank and commence agitation. Add the required amount of **HATCHET XTRA**. Rinse all used containers thoroughly and add the washings to the spray tank. The use of sprayer mounted pressure rinsing equipment is advised. If not available, containers should be manually rinsed three times. Add the remaining water requirement and continue agitation. The spray mix must be used immediately, maintaining continuous agitation until spraying is completed. Do not allow the spray

mixture to stand. Immediately after use wash sprayer and other equipment thoroughly with water and detergent. Traces of **HATCHET XTRA** in the spray tank could damage susceptible crops when the sprayer is used subsequently. Dispose of empty rinsed containers accordingly.

Method of Application

Apply by means of a conventional hydraulic nozzle tractor-mounted or trailed sprayer (with or without air-assistance). Ensure that the sprayer is correctly calibrated to apply the recommended water volume and spray quality and the boom height and nozzles are adjusted to give even coverage of the target weeds.

In grassland, small areas may be treated by knapsack or other hand-operated sprayer. Spray individual weeds to the point just prior to run-off. Ensure that the sprayer is correctly calibrated to apply the recommended dose and water volume.

Water Volume

Use a volume of water within the recommended range of 200 – 400 l/ha that will give a good even cover of the weed foliage. See recommendations under Crop Specific Information. The minimum recommended pressure is 2 to 3 bars.

The lowest volume of water should only be used in very open crops on small weeds. On later applications where the crop is dense, the spray volume should be increased to 400 litres of water per hectare.

Spray Quality

Apply as a MEDIUM spray (as defined by BCPC).

Tank Mixes

To broaden the range of weeds controlled, **HATCHET XTRA** can be tank mixed with a number of herbicides. If using tank mixes, unless directed otherwise the preferred order of addition of products to the tank is: water dispersible granules, wettable powders, suspension concentrates (flowables), emulsifiable concentrates, solution concentrates. Each product must be added to a half-full sprayer and be fully dispersed before the addition of the next product.

Tank mixes must only be applied within the label recommendations of every product in the mix.

Compatibility

HATCHET XTRA is compatible with a wide range of products. The weed spectrum can be broadened by tank-mixing with a range of different herbicides.

Contact Certis for compatibility information on specific tank mixes.

END OF LABEL TEXT

Material Safety Data Sheet

The material safety data sheet (MSDS) for this product is available on the Certis UK website or by calling the technical helpline number **0044 (0)845 373 0305**