

RETURN LEAFLET TO  
POCKET AFTER USE



# TRIBUTE PLUS™

Selective weedkiller containing 252 g/litre MCPA (as sodium and potassium salts), 18 g/litre dicamba (as the sodium salt) and 42 g/litre mecoprop-p (as the potassium salt) as a soluble concentrate.

MAPP: 13865

## IMPORTANT INFORMATION

FOR USE ONLY AS AN AGRICULTURAL AND HORTICULTURAL HERBICIDE  
Crops/situation: managed amenity turf, amenity grassland, grassland, green cover on land not being used for crop production.

Maximum individual dose: 8 litres of product per hectare.

Maximum number of treatments: two per annum

Other Specific Restriction: 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 dose of mecoprop-p approved for application to that crop by any single mecoprop-p containing product.

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



HARMFUL

HARMFUL IN CONTACT WITH SKIN  
IRRITATING TO EYES  
HARMFUL TO FISH OR OTHER AQUATIC LIFE.

Do not contaminate surface waters or ditches with chemical or used container. This material and its container must be disposed of in a safe way. Use appropriate containment to avoid environmental contamination. The Control of Substances Hazardous to Health (COSHH) Regulations may apply to use of this product at work.

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



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SHAKE WELL BEFORE USE **Contents: 5 LITRES e**  
PROTECT FROM FROST

## SAFETY PRECAUTIONS

### (a) 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 CLOTHING (COVERALLS) when applying by vehicle mounted equipment.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES, RUBBER BOOTS AND FACE PROTECTION (FACE SHIELD) when handling contaminated surfaces and applying by hand-held equipment.

WASH CONCENTRATE from skin or eyes immediately.

WASH HAND AND EXPOSED SKIN before meals and after work.

WHEN USING DO NOT EAT, DRINK, OR SMOKE.

### (b) Environmental Protection

\*HARMFUL TO FISH OR OTHER AQUATIC LIFE. Do not contaminate surface waters or ditches with chemical or used container.

\*KEEP LIVESTOCK OUT of treated areas for at least two weeks following treatment and until poisonous weeds such as ragwort have died and become unpalatable.

### (d) 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, in a safe place.

WASH OUT CONTAINER THOROUGHLY and dispose of safely.

This product is approved under the Control of Pesticides Regulations 1986.

In case of emergency day or night telephone CARECHEM 24 : 01865 407333

## Uses

Tribute Plus is a selective weedkiller for the control of ragwort, docks, white clover, yarrow, mouse eared chickweed, buttercup, parsley piert, daisy, cinquefoil, trefoils, sorrel, plantains, thistles, nettles, soft rush, dandelions and related weeds in permanent pasture, in green cover on land not being used for crop production., grass, orchards and managed amenity turf.

## DIRECTIONS FOR USE

### Time of Spraying

Can be applied from April to late September when the grass is growing. See Notes for Guidance for advice on conditions to avoid.

### Mixing and Application

Half fill spray tank with water, add required quantity of TRIBUTE PLUS and finally add the remainder of the water.

AVOID SPRAY DRIFT ONTO ALL BROAD-LEAVED PLANTS OUTSIDE THE TARGET AREA.

### Tank Washing

Wash equipment thoroughly with water and washing soda immediately after use. Finally wash out twice with water and drain.

## GRASSLAND AND GREEN COVER ON LAND NOT BEING USED FOR CROP PRODUCTION:

### Application Rate: 5 litres/hectare

### Annual Weeds

Maximum size, at which killed or severely checked.

Weed Species	Susceptibility Stage
Black-bindweed	10 cm
Buttercup, Corn	5 cm
Carrot, Wild	5 cm
Charlock	25 cm
Chickweed, Common	15 cm
Cleavers	10 cm
Cornflower	expanded cotyledon
Fat-hen	10 cm
Fumitory, Common	10 cm
Gromwell, Field	10 cm
Groundsel	5 cm
Knotgrass	10 cm
Mayweed, Scentless	2.5 cm
Mustard, Black	15 cm
Mustard, Treacle	15 cm
Mustard, White	25 cm
Nettle, Small	10 cm
Nipplewort	10 cm
Orache, Common	10 cm
Penny-cress, Field	25 cm
Persicaria, Pale	10 cm
Pimpernel, Scarlet	5 cm
Poppy, Common	10 cm
Radish, Wild (Runch)	25 cm
Redshank (Willow-weed)	10 cm
Shepherd's-needle	expanded cotyledon
Shepherd's-purse	10 cm
Sow-thistle, Smooth	10 cm
Spurrey, Corn	10 cm
Tares	15 cm
Vetches	15 cm

### Perennials

Spray when well developed, but before flowering

Weed Species	Susceptibility Stage
Bindweed, Field	Controlled at flower buds visible stage
Buttercup, Creeping	Controlled at flower buds visible stage
Buttercup, Bulbous	Checked at flower buds visible stage
Colt's-foot	Slight check
Cress, Hoary (Pepperwort)	Shoots and some of root killed at early bud stage. Treatment for 2-3 seasons recommended.
Daisy, Common	Severely checked
Dandelion	Checked severely or controlled when growing strongly.
Docks, Broad-leaved and Curled	Seedlings killed, shoots from old root stocks checked.
Horsetail, Field	Shoots killed and re-growth checked.
Mint, Corn	Shoots killed, re-growth checked.
Nettle, Common	Top growth killed when 15-25 cm high.
Plantains	Controls all stages
Rush, Soft	Controlled by treatment in May, June or July. May be treated uncut, but cutting 4 weeks before or after spraying improves control.
Sow-thistle, Perennial	Shoots and some of roots killed at rosette to 20 cm stage.
Thistle, Creeping.	Shoots and some of roots killed at 15 cm to bud stage
Thistle, Spear	Controls at rosette stage.

## MANAGED AMENITY TURF AND AMENITY GRASSLAND:

A. For control of common weeds - white clover, plantains, daisy, creeping buttercup, thistles.

Rate/hectare	Vol./Water hectare	Equipment
6 litres/ha	300-500 litres	Knapsack sprayer

Knapsack spray application: 60 mls in 4.5 litres to treat 100 m<sup>2</sup>.

Susceptibility Stages of Common Weeds in Amenity grassland and turf:

Weed Species	Susceptibility Stage
Buttercup, Creeping	Controlled at flower buds visible stage
Daisy, Common	Severely checked at the rosette stage before flowering
Plantains	Controls at the rosette stage before flowering
White clover	Controlled at flower buds visible stage
Common nettle	15-25 cms high.
Creeping thistle	Early flower bud stage.
Spear thistle	Before flowering when the plants are growing strongly.

B. For control of more difficult weeds, including yarrow, ragwort, parsley piert\*, cinquefoil, trefoils, mouse-eared chickweed, selfheal, pearlwort\*, sorrel, blackmedick\*, dandelion and related weeds, bulbous buttercup.

Rate/hectare	Vol./Water hectare	Equipment
8 litres/ha	300-500 litres	Knapsack sprayer

Knapsack sprayer application: 80 mls in 4.5 litres to treat 100 m<sup>2</sup>.

Watering can application: 8 mls in 4.5 litres to treat 10 m<sup>2</sup>.

### Susceptibility Stages of Difficult Common Weeds

Weed Species	Susceptibility Stage
Yarrow	Will give a useful level of control when used to control other weeds
Docks	When actively growing or in full leaf but before the formation of flower stems*.
Common nettle	15-25 cms high.
Common Ragwort	When second-year and older plants are still in the rosette stage (normally late April to late May).
Soft rush	When actively growing before flowering (Cutting the rushes 4 weeks before spraying improves control.)

Other biennial and perennial weeds – spray at the rosette stage.

**Note: Speedwells are resistant to TRIBUTE PLUS**

**Other occasionally occurring species.**

Field horsetail: 6 litres/ha will kill shoots and check re-growth.

Sowthistle, perennial: 6 litres/ha kills shoots and some of root up to 20 cm (8") stage.

\* Regeneration may occur from the crown of well-established docks and a second application will be necessary.

### Notes for Guidance

Avoid spray drift onto all broad-leaved plants outside the target area.

Newly sown or turfed areas should not be sprayed in the year of establishment. When renovating treated areas an interval of 6-8 weeks should elapse before re-seeding.

The first four mowings should not be used for mulching unless composted for six months.

Turf containing bulbs may be treated once the foliage has died down completely.

Do not allow spray drift on to cultivated plants.

Do not apply during drought unless regular irrigation is practised.

Do not apply when rain is imminent (within 6 hours of application).

Avoid spraying during freezing conditions or if a frost is imminent.

Fine turf should not be mown for 24 hours before or after application (three days for less closely mown turf).

A fertilizer application 1-2 weeks before treatment aids weed control. Heavy infestations and particularly resistant weeds may need a repeat treatment after an interval of 6-8 weeks at the 6 litre/hectare rates (See Application Rates).

## CONDITIONS OF SALE

The following shall form part of any contract of sale of this product whether sold by the manufacturer or a subsequent owner ('The Seller').

- 1.The seller warrants that the product complies with the product specification prevailing at the date of sale which is obtainable from the Seller on request provided that (except to the extent any claim is in respect of personal injury or death) the said Seller's liability, for breach of this warranty is limited to the price of the products involved in the breach.
- 2.Except as aforesaid, all conditions and warranties statutory or otherwise and expressed or implied as to the quality of the product or its fitness for any purpose are expressly excluded.
- 3.Except as aforesaid the Seller shall not be under any liability other than for personal injury or death whether in contract or in tort for any loss or damage arising out of or resulting from the use of the product.
- 4.The Seller shall in no event be liable for any loss or damage caused by the failure of any person to use the product in accordance with the instructions for use given by The Seller.

## PRODUCT SAFETY INFORMATION

### 1. IDENTIFICATION

**Preparation :** TRIBUTE PLUS

**Supplier :** Nomix Enviro, A Division of Frontier Agriculture Ltd, The Grain Silos, Weyhill Road, Andover, Hampshire, SP10 3NT.  
Tel: 01264 388050

**Chemical Emergency Agency Service (24 hr):** Tel. 01865 407 333

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Composition :**

Potassium/sodium salts of 4-chloro-o-tolyloxy acetic acid (252 g/l MCPA-active acid) (CAS NO. 94-74-6)	26.2%
Potassium salt of (R)- 2-(4-chloro-o-tolyloxy) propionic acid (42 g/l mecoprop-p active acid) (CAS NO. 7085-19-0)	4.8%
Sodium salt of 3,6-dichloro-o-anisic acid (18 g/l Dicamba active acid) (CAS NO. 1982-69-0)	1.9%
Inert ingredients	to 100%

### 3. HAZARDS IDENTIFICATION

**Human health effects:**

On the basis of available information, this material is not expected to produce any significant adverse health effects when recommended use instructions are followed.

**Environmental effects:**

On the basis of available information, this material is not expected to produce any significant adverse environmental effects when recommended use instructions are followed. It is considered harmful to fish or aquatic life.

### 4. FIRST-AID MEASURES

**Inhalation:**

Remove patient to fresh air. If breathing is difficult give oxygen. Obtain medical attention.

**Skin contact:**

Take off immediately all contaminated clothing. If spilled into boots immediately remove boots and contaminated clothing. Wash skin immediately with plenty of water and soap if available.

**Eye Contact:**

Irrigate immediately with plenty of clean water for 10-15 minutes. If irritation persists obtain medical attention.

**Ingestion:**

May cause nausea. Do not induce vomiting. Obtain medical attention immediately.

**Further Medical Advice:**

Over exposure symptoms: no symptoms diagnostic of systemic poisoning with this product. No specific antidote. Treat symptomatically.

### 5. FIREFIGHTING RELEASE MEASURES

**Flammability:** Not applicable. Non flammable product.

**Procedure:**

Isolate the hazard area and prevent entry. Wear self-contained positive breathing apparatus and full-fighting protective clothing. Decontaminate emergency personnel when leaving fire area.

## Fire Fighting Protective Equipment:

Keep containers cool by spraying with water if exposed to fire. Extinguish preferably with foam (alcohol foam), dry chemical, CO2 or water spray. DO NOT use soda or alkaline powder. Use as little water as possible. Dyke the area to prevent pesticide run-off.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:**

Use personal protection recommended in Section 8.

**Environmental precautions:**

Contain liquid spillage with sand bags or other means to prevent entry into drains.

**Methods of cleaning up:**

Absorb in earth or sand. Sweep up into containers for disposal. Dig up heavily contaminated soil and place in drums. (Refer to Section 10 for types of containers and drums). Wash spill area with soap and water.(Refer to Section 13 for disposal of spilled material).

### 7. HANDLING AND STORAGE

**Handling:**

Good industrial practice in housekeeping and personal hygiene should be followed. Do not breathe gas, fumes, vapour or spray. When using do not eat, drink or smoke. Wash hands immediately after handling. Thoroughly clean equipment after use.

**Storage:**

Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs.

Keep only in the original container. Keep container tightly closed. Store above 0° C. Keep at temperature not exceeding 40°C

**Storage Life:**

Minimum shelf life: 2 years

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Occupational exposure limits:** None assigned

**Engineering measures:**

**See section 10 - "Materials to avoid"** for equipment.

**Respiratory Protection:**

No special requirement when used as recommended. If exposed to vapour or spray, wear suitable respiratory protective device.

**Hand Protection:**

Wear impermeable gloves.

**Eye protection:**

No special requirement when used as recommended.

**Skin Protection:**

When applying, wear suitable protective clothing and impermeable boots.Wear trousers outside boots.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** liquid

**Colour:** dark coloured

**Flash point:** > 100°C. Non flammable

**Specific gravity:** 1.15at 20° C

**Solubility in water:** Completely miscible

### 10. STABILITY AND REACTIVITY

**Conditions to avoid:**

None known

**Hazardous decomposition products:**

Contact with strong alkalis and will release amines which are toxic and flammable. Over-heating and combustion leads to oxides of nitrogen, hydrogen chloride, carbon monoxide and carbon dioxide will be given off.

### 11. TOXICOLOGICAL INFORMATION

**Laboratory:**

The toxicological information given here is not necessarily exhaustive but is representative of relevant, reliable data. All tests were conducted following OECD guidelines for Good Laboratory Practice (GLP).

**Active Ingredients:**

MCPA:

Acute oral LD<sub>50</sub> (rat) = 700 mg/kg

Acute dermal LD<sub>50</sub>(rat) = >1 000 mg/kg

Mecoprop-p:

Acute oral LD<sub>50</sub> (rat) = 1050 mg/kg.

Acute dermal LD<sub>50</sub> (rat) = > 4 000 mg/kg

Inhalation LC<sub>50</sub> (4hr)(rat) = > 5.6 mg/l

Dicamba:

Acute oral LD50 (rat) = 1 700 mg/kg

Acute dermal LD50 (rat) - > 2 000 mg/kg

Inhalation LC50 (4hr) (rat) = 200 mg/l

## Human data:

If swallowed, may cause gastrointestinal tract irritation (discomfort, nausea, vomiting, diarrhoea).

**MCPA :**

Shows moderate oral toxicity and is classified as an eye irritant. Cases of dermatitis have been reported and there is some evidence that some workers may be allergic to the chemical through pains, nausea, itching and burning of the skin.

**Dicamba:**

Slightly irritating to rabbit skin. Does not exhibit any carcinogenic, teratogenic or other reproductive effects with the exception of slightly reduced foetal body weights in animal tests. Data suggests that Dicamba is not a mutagen.

### 12. ECOLOGICAL INFORMATION

**Assessment:**

Harmful to aquatic organisms.

Aquatic Toxicity:

MCPA:

LC50 (48hr) Bluegill sunfish 100ppm

LC50 (24hr) Rainbow trout 117 mg/l

Dicamba:

LC50 (48hr) Bluegill sunfish 20 mg/l

LC50 (48hr) Daphnia magna 110.7 mg/l

### 13. DISPOSAL CONSIDERATIONS

**Product:**

Send to special chemical waste disposal facility or burn only in special, controlled high temperature incinerator. As far as possible recover and store any remaining product in original package of the same product.

**Container:**

Dispose of container through a reputable waste disposal contractor. Do not contaminate waterways, ponds or ditches with waste product or container. All local and national regulations should be followed.

### 14. TRANSPORT INFORMATION

**ADR Class/Conveyance class:** 9

**Packing group:** III

**UN No:** 3082

Environmentally Hazardous Substance

### 15. REGULATORY INFORMATION

This product is covered by the Control of Pesticides Regulations (1986) and has been labelled in accordance with these regulations.

**Risk Phrases: R36 Harmful in contact with skin**

**R21 Irritating to eyes.**

**R52 Harmful to aquatic organisms.**

### 16. OTHER INFORMATION

The information contained within this Material Safety Data Sheet does not constitute the users own assessment of workplace risk as required by other national health and safety legislation such as the Health and Safety at Work Act (1974) and the Control of Substances Hazardous to Health Regulations (1988 and subsequent amendments).

Read the label before you buy: Use pesticides safely.

Date of MSDS Preparation:06.01.08

Supersedes MSDS Dated :14.12.05

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