

THRUST®

GROUP 4 HERBICIDES



A soluble concentrate containing 34.4 g/L 2,4-D and 120 g/L dicamba as the dimethylamine salt. For the selective control of annual and perennial broad leaved weeds in Established Agricultural Grassland and Amenity Grassland.

DANGER

Harmful if swallowed
Causes serious eye damage
May cause an allergic skin reaction
Very toxic to aquatic life with long lasting effects



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

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

IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

Immediately call a POISON CENTER or doctor/physician. Collect spillage.

Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for triple rinsed empty 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

MAPP 15-08 PCS No 04520
UFI No. 17145-53-53AM-C54U

Additional Safety Phrase:

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.

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PROTECT FROM FROST
FOR PROFESSIONAL USE ONLY

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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 or applying by hand-held equipment.

However, engineering controls may replace personal protective equipment and a COSHH assessment shows that they provide an equal or higher standard of protection - UK only.
WHEN USING DO NOT EAT DRINK OR SMOKE
IF YOU FEEL UNWELL, seek medical advice (show label where possible).

Environmental Protection

Livestock must be kept out of treated areas for at least 2 weeks following treatment. RAIN/SWORT IS PRESENT, FOLLOW THE GUIDANCE IN THE 'DIRECTIONS FOR USE'.

TOXIC TO AQUATIC ORGANISMS, may cause long term adverse effects in the aquatic environment.

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.

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

RISK TO NON-TARGET INSECTS OR OTHER ARTHROPODS. See Directions for use.

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

Storage and disposal

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

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDSTUFFS.

WASH OUT CONTAINER THOROUGHLY, and dispose of safely.

KEEP OUT OF REACH OF CHILDREN.

This material and its container must be disposed of in a safe way.

DO NOT RE-USE CONTAINER for any purpose.

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

 Nufarm
Grow a better tomorrow

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

Crop	Maximum Individual Dose	Maximum Total Dose	Latest time of application
Grassland	3.5 L product/ha	3.5 L/ha per year	before the crop is 25cm high
Amenity grassland	3.5 L product/ha	7.0 L/ha per year	before the crop is 25cm high

Method of Application: Tractor mounted / trailed horizontal sprayer / Knapsack

Other specific restriction

Livestock must be kept out of treated areas for at least 2 weeks following treatment and until poisonous weeds such as ragwort have died and become unpalatable.

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.

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 graze grass for at least 14 days after spraying.

DO NOT mow or roll four days before or after application. The first four mowings after treatment must be composted for at least 6 months before use – UK only.

DO NOT treat newly established grasslands less than 1 year old.

DO NOT treat grass crops intended for seed production

DO NOT treat grass suffering from drought, disease, or other adverse factors.

DO NOT roll or harrow crops for 7 days either before or after application of THRUST.

DO NOT apply when grassland is mowing.

Avoid spray drift onto neighbouring crops and all broad-leaved plants outside the target area. Do not spray in windy weather. Beets, all brassicas (including oil seed rape, Swedes and turnip) lettuce, sunflowers, onions, peas, potatoes, tomatoes, cucumber, all fruit crops (including vines) and ornamentals are particularly susceptible and may be damaged by spray drift.

Avoid spraying within 5 m of the field boundary to reduce effects on non-target insects or other arthropods.

WEEDS CONTROLLED

Apply when the majority of annual weeds are at the seedling stage.

Susceptible

Creeping Thistle

(Plants upto 50cm high)

Moderately Susceptible

Broad-leaved Dock	Curled Dock	Creeping Buttercup
Common Ragwort		
Susceptible	Consistently high levels of control obtained under good growing conditions	
Moderately susceptible	Top growth usually killed and a useful measure of long-term control obtained under good growing conditions	

Ragwort control

Spray when the majority of plants are in the rosette stage and growing vigorously in the autumn or spring out before the flower spines start to grow. Fields for hay or silage the following spring should be sprayed in the preceding autumn. Fields to be grazed should be treated in the spring. Common ragwort will require spraying over a minimum of 2-years for complete control.

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 and contain higher levels of toxins. Animals should be excluded from treated areas until any ragwort has completely recovered or died and there is no visible sign of the dead weed. Do not include treated ragwort in hay or silage crops.

MIXING AND SPRAYING

Before use ensure that the spraying equipment has been thoroughly cleaned. Half-fill the spray tank with clean water. With the contents of spray tank under re-circulation, add the measured quantities of THRUST through the filter. Top up the tank with water to the required level and maintain re-circulation until the tank is sprayed out.

Apply the recommended quantity of THRUST through a conventional hydraulic sprayer using a MEDIUM spray to cover the weed leaves evenly and thoroughly.

After each days use, wash out with water and wetting agent. Wash out again with water, drain and allow to dry. Traces of herbicide left in the container may damage susceptible crops if these are subsequently sprayed using the same equipment.

Avoid spray drift onto neighbouring crops and all broad-leaved plants outside the target area. Do not spray in windy weather. Beets, all Brassicas including oilseed rape, lettuce, peas, potatoes, tomatoes, all fruit crops and ornamentals are particularly susceptible to 2,4-D and may be damaged by spray drift.

Knapsack Application

This method is recommended for spot treatment of weeds and patches of Docks. Apply as a medium spray to just before run-off occurs.

Size of knapsack	Amount of THRUST	Amount of water
5 Litre	45mL	4.955 Litres
10 Litre	90mL	9.91 Litres
20 Litre	180mL	19.82 Litres

WEATHER AND GROWING CONDITIONS

Apply to a dry crop when rain is not forecast for at least 12 hours. Optimum results are obtained when the weeds are actively growing under good soil and weather conditions.

Reduced weed control may be obtained during drought or cold weather. If rain falls shortly after application, the effect of THRUST may be reduced.

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.

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.

ACKNOWLEDGEMENTS

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TERMS AND CONDITIONS OF SUPPLY, SALE OR USE

All goods supplied by Nufarm UK Limited are of high grade and we believe them to be suitable for the purposes for which we expressly supply them; but as we cannot exercise direct 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 by re-sellers of the product whether or not they supervise or assist in the use of such goods.

To access the Safety Data Sheet for this product, scan the QR code
or refer to the Nufarm website at
<https://www2.nufarm.com/uk/>

