



# Finale<sup>®</sup> 150

## HERBICIDE

- ✓ Can be used for preparing sports turf for line-marking.
- ✓ Effective control of field horsetail (*equisetum arvense*) and creeping thistle (*cirsium arvense*).

A foliar contact herbicide for use as a band application to:  
Fence lines. Spray applications must be made within 50 cm of fence line.  
Managed amenity turf for line-marking preparation.

FINALE 150 may also be used as a band or spot application to:  
Natural surfaces not intended to bear vegetation,  
Permeable surfaces overlaying soils  
Hard surfaces

MAPP 16733

A soluble concentrate formulation containing 150 g/l (13.52% w/w) glufosinate-ammonium

# 5 L e

GB81764182B - RA4b - ARTICLE 81686777



# 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 CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces or applying by hand-help equipment.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) when applying by vehicle-mounted or trailed equipment.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

TAKE OFF IMMEDIATELY all contaminated clothing.

WHEN USING DO NOT EAT, DRINK OR SMOKE.

WASH CONCENTRATE from skin or eyes immediately.

AVOID ALL CONTACT WITH SKIN, EYES AND MOUTH.

DO NOT BREATHE SPRAY.

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

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

## Environmental Protection

DO NOT CONTAMINATE WATER with the product or its container.

RISK TO NON-TARGET INSECTS OR OTHER ARTHROPODS. For advice on risk management see Directions for use.

To protect terrestrial non target plants respect a well determined unsprayed buffer zone to non-agricultural land.

## Storage and Disposal

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, empty washings into spray tank and dispose of safely.

DO NOT RE-USE THIS CONTAINER for any purpose.

## 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.

## GENERAL INFORMATION

### Weed Control

A non-selective herbicide, which acts mainly by contact but some translaminal movement can occur within aerial plant parts.

FINALE® 150 kills all green tissue but does not harm mature bark.

Deep-rooted perennial weeds will regrow.

FINALE® 150 controls grasses and broad-leaved weeds.

A foliar contact herbicide for use as a band application to:

Fence lines. Spray applications must be made within 50 cm of fence line.

Managed amenity turf for line-marking preparation,

and as a band or spot application to:

Natural surfaces not intended to bear vegetation,

Permeable surfaces overlaying soils

Hard surfaces

### RESTRICTIONS

Application of 'Finale 150' on hard surfaces:

Apply this product carefully. Ensure spraying takes place only when weeds are actively growing (normally March to October) and is confined only to visible weeds including those in the 30cm swath covering the kerb edge and road gully – do not overspray drains.

### Application

Must only be applied using low drift nozzles and sprayshield.

### Weather

DO NOT spray if rain is imminent or likely within 6 hours of application and DO NOT apply to wet foliage if run off is likely to occur.

### Drift

Avoid drift to areas outside those being sprayed, having due regard to the prevailing weather conditions, wind direction and spray quality being used.

### Soils

FINALE® 150 is degraded after contact with the soil. Do not spray at end of season on sandy soil.

## WEEDS CONTROLLED

FINALE® 150 will control grass and broad-leaved weeds.

FINALE® 150 controls a wide range of annual and perennial weeds including the following:

### Established annual broad-leaved weeds at 3 l/ha

Annual Mercury (*Mercurialis annua*)

Annual Milk or Sow-thistle (*Sonchus asper*)

Black-bindweed (*Bilderdia convolvulus*)

Black Nightshade (*Solanum nigrum*)

Charlock (*Sinapis arvensis*)

Cleavers (*Galium aparine*)

Common Chickweed (*Stellaria media*)

Common Hemp-nettle (*Galeopsis tetrahit*)

Common Henbit Dead-nettle (*Lamium amplexicaule*)

Common Orache (*Atriplex patula*)

Corn Buttercup (*Ranunculus arvensis*)

Corn Marigold (*Chrysanthemum segetum*)

Corn Poppy (*Papaver rhoeas*)

Corn Spurrey (*Spergula arvensis*)

Fat Hen (*Chenopodium album*)

Field Penny-cress (*Thlaspi arvense*)

Field Speedwell (*Veronica persicae*)

Forget-me-not (*Myosotis arvensis*)

Fumitory (*Fumaria officinalis*)

Gallant Soldier (*Galinsoga parviflora*)

Groundsel (*Senecio vulgaris*)

Ivy-leaved Speedwell (*Veronica hederifolia*)

Knotgrass (*Polygonum aviculare*)

Pale Persicaria (*Polygonum lapathifolium*)

Parsley-piert (*Aphanes arvensis*)

Pineapple weed (*Chamomilla suaveolens*)

Red Dead-nettle (*Lamium purpureum*)

Redshank (*Polygonum persicaria*)

Scarlet Pimpernel (*Anagallis arvensis*)

Scented Mayweed (*Chamomilla recutita*)

Scintless Mayweed (*Matricaria perforata*)

Shepherd's-purse (*Capsella bursa-pastoris*)

Smooth Hawks-beard (*Crepis capillaris*)

Smooth Sow-thistle (*Sonchus oleraceus*)

Spurge (*Euphorbia spp*)

Stinking Chamomile (*Anthemis spp*)

Tare species (*Vicia spp*)

Wild Radish (*Raphanus raphanistrum*)

**Established annual broad-leaved weeds at 5.0 l/ha**

Small Nettle (*Urtica urens*)  
 Volunteer Oilseed Rape (*Brassica napus*)

**Established perennial broad-leaved weeds at 5.0 l/ha**

Colt's-foot (*Tussilago farfara*)  
 Common Dandelion (*Taraxacum officinale*)  
 Corn Mint (*Mentha arvensis*)  
 Cow Parsley (*Anthriscus sylvestris*)  
 Creeping Thistle (*Cirsium arvense*)  
 Curled Dock (*Rumex crispus*)  
 Field Bindweed (*Convolvulus arvensis*)

Greater Plantain (*Plantago major*)  
 Hoary Cress (*Cardaria draba*)  
 Meadow Buttercup (*Ranunculus acris*)  
 Perennial Nettle (*Urtica dioica*)  
 Perennial Sow-thistle (*Sonchus arvensis*)  
 White Clover (*Trifolium repens*)

**Established annual grassweeds at 3.0 l/ha**

Annual Meadow-grass (*Poa annua*)  
 Black-grass (*Alopecurus myosuroides*)  
 Loose Silky-bent (*Apera speciosa*)

Sterile Brome (*Bromus sterilis*)  
 Wild oats (*Avena fatua*)

**Established annual grassweeds at 5.0 l/ha**

Italian Rye-grass (*Lolium multiflorum*)

**Established perennial grassweeds at 5.0 l/ha**

Black Bent (*Agrostis gigantea*)  
 Common Couch (*Elymus repens*)

Perennial Rye-grass (*Lolium perenne*)  
 Rough Meadow-grass (*Poa trivialis*)

**Other established weeds at 5.0 l/ha**

Field Horsetail (*Equisetum arvense*)

**Annual weeds**

Annual grasses and broad-leaved weeds are killed by a single application. FINALE® 150 has no residual soil activity and will control only weeds which have emerged at the time of application.

**Perennial weeds**

Perennial non-rhizomatous grasses (e.g. perennial rye-grass, rough meadow-grass) and broad-leaved weeds are usually well controlled with a single application. Common couch, docks, nettles and other deep-rooted perennials may require two applications of FINALE® 150 for control during the growing season.

**Rates of use and timing**

Apply when weeds are actively growing between 1 st March and 30 th September.  
 For optimum results, apply when weeds have at least 2 expanded leaves and are actively growing

**Weed Control**

Use as a band application to:

Fence lines. Spray applications must be made within 50 cm of fence line.

and as a band or spot application to:

Natural surfaces not intended to bear vegetation,  
 Permeable surfaces overlaying soils  
 Hard surfaces

Application Equipment	Vehicle-mounted Hydraulic Sprayer		Knapsack Sprayer	
WEED PROBLEM	RATE PER HECTARE	WATER PER HECTARE	RATE PER 100 m <sup>2</sup>	WATER PER 100 m <sup>2</sup>
Seedlings of all species. Established annual weeds and grasses as specified in the 'Weeds Controlled' section.	3 litres	200-400 litres	30 ml	4.5 litres
Established annual and perennial weeds and grasses as specified in the 'Weeds Controlled' section.	5 litres	200-400 litres	50 ml	4.5 litres

#### Band application

#### Preparing sports-turf for line-marking

Line-marking Application equipment	Line-marking machine with 7.5 cm swath		
Type of line	Finale® 150	Water	Coverage in linear metres
To reinforce existing lines (FINALE® 150, 3L/ha)	30 ml 120 ml	4 litres 16 litres	1333 m 5332 m
To create new lines (FINALE® 150, 5L/ha)	50 ml 200 ml	4 litres 16 litres	1333 m 5332 m

Refer to the "Weed Control" section for susceptibility of individual grass species. The reduced dose on existing lines (3 L product/ha) may not give complete kill if re-establishing grasses are beyond the seedling stage.

#### MIXING

Add the recommended quantity of FINALE® 150 to the spray tank half-filled with the required volume of clean water. Add the remainder of the water with the sprayer agitation system working gently. Agitate gently before and during spraying.

DO NOT leave the sprayer standing with chemical in it.

On completion of spraying, drain sprayer and wash out thoroughly using water with the addition of a suitable detergent.

#### COMPATIBILITY

All the requirements or restrictions on other product labels must be adhered to when mixing FINALE® 150. Continuous agitation must be maintained.

#### RESISTANCE

Certain weeds may develop resistance to Bayer CropScience Ltd.'s products. Since such circumstances are beyond our control, Bayer CropScience will be under no liability for any resulting loss or damage whatsoever.

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

RA4b - FINALE 150 - 5L - GB - GB81764182B

Batch Number :

**Bayer**

For 24 hour emergency information  
contact Bayer CropScience Ltd  
Telephone: 0800 220876  
or nearest National Poisons Information Centre

Bayer CropScience Ltd  
230 Cambridge Science Park  
Milton Road - Cambridge  
CB4 0WB - United Kingdom  
Telephone: 00800 12149451  
www.environmentalscience.bayer.co.uk  
for SDS and larger label

FINALE® 150 is a registered trademark of Bayer CropScience Ltd  
Bayer® CropScience Limited

Safety information

**FINALE® 150**

A soluble concentrate formulation containing 150 g/l (13.52% w/w) glufosinate-ammonium



**Danger**

Harmful if swallowed

Toxic in contact with skin

Causes serious eye damage

May damage fertility. Suspected of damaging the unborn child

May cause damage to organs (nervous system) through prolonged or repeated exposure if swallowed

Obtain special instructions before use

Use personal protective equipment as required.

If exposed or concerned: Get medical advice/attention

If IN EYES: 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-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 :**

Restricted to professional users

FOR USE ONLY AS AN AMENITY HERBICIDE

Crops/situations: Managed amenity turf (line marking preparation) and on natural surfaces not intended to bear vegetation, permeable surfaces overlaying soils and hard surfaces.

Maximum individual dose: 5.0 L product/ha, dependent on use.

Maximum number of treatments: 2 per crop

Other Specific Restrictions	
	This product must be applied only between 1 <sup>st</sup> March and 30 <sup>th</sup> September.
	Livestock must be kept out of treated areas until poisonous weeds such as ragwort have died and become unpalatable.
	Only use as a band or spot application at rates not exceeding 750 g active substance/ha (treated surface) per application and maximum two applications per year.
	Applications must be made using low drift nozzles and/or spray shields.
	Applications must not be made to railway ballasts.
	The container must not be re-used for any purpose.

**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

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

RA4b - FINALE 150 - 5L - GB - GB80966083B

Batch Number :

For 24 hour emergency information  
contact Bayer CropScience Ltd  
Telephone: 0800 220876

or nearest National Poisons Information Centre

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**Bayer**