



POWERTWIN[®]



ADAMA



HERBICIDES

Suspension concentrate

MAPP 14004

H



Ingredients

- Phenmedipharm 200 g/l (17.9% w/w)
- Ethofumesate 200 g/l (17.9% w/w)

Also contains: Also contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.



Crops

A residual and contact post-emergence herbicide for use on sugar beet, fodder beet and mangel.



Warning

May cause an allergic skin reaction.

Very toxic to aquatic life with long lasting effects.

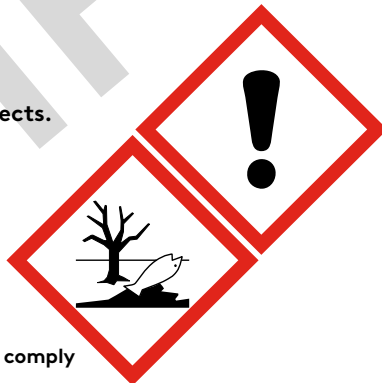
Keep out of reach of children.

Wear protective gloves and protective clothing.

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

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.



EO_01505017



Scan for Safety Data Sheet

Or use the weblink : <https://bit.ly/3D1mYiL>
Alternatively, contact your supplier.



R 3.1.7 Oct 22

This label is compliant with the Voluntary Initiative Guidance.

NO VARNISH AREA

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POWERTWIN®



ADAMA



HERBICIDES

Suspension
concentrate

MAPP 14004



PROTECT FROM FROST
SHAKE WELL BEFORE USE

GROUP 5 | 15 HERBICIDES

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) AND SUITABLE PROTECTIVE GLOVES when handling the concentrate.

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

WASH CONCENTRATE from skin or eyes immediately.

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

DO NOT BREATHE SPRAY.

Environmental Protection

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

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.

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

For advice on medical emergencies, fires or major spills telephone the National Chemical Emergency Centre on 01865 407333.

IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL HERBICIDE

Crops: Sugar beet, fodder beet, mangel

Maximum individual dose: 1.3 litres per ha

Maximum total dose: 3.9 litres per ha per year

Latest time of application: Before crop leaves meet between the rows

Other specific restrictions:

The container must not be re-used for any purpose.

The maximum total dose must not exceed 1.0 kg ethofumesate per hectare in any three year period.

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.

EO_BBD15050T1

Marketed by: Adama Agricultural Solutions UK Ltd

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Warning

May cause an allergic skin reaction.
Very toxic to aquatic life with long lasting effects.

Keep out of reach of children.
Wear protective gloves and protective clothing.
IF ON SKIN: wash with plenty of soap and water.
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.



This leaflet is part of the approved label.

A suspension concentrate formulation containing 200 g/l (17.9% w/w) phenmedipham and 200 g/l (17.9% w/w) ethofumesate. Also contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

A residual and contact post-emergence herbicide for use on sugar beet, fodder beet and mangel.

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 AND WARNINGS

Do not apply to crops suffering from stress due to lime or trace element deficiency, or drought, frost or pest damage.

Do not apply to crops suffering from damage due to an earlier herbicide treatment.

Do not apply when temperatures exceed 21°C or in strong sunlight. If treatment is essential, delay spraying until the temperature falls and light intensity reduces.

POWERTWIN must only be used in tank-mixture with the following adjuvants

Abacus

NEWMAN Cropspray 11E

Phase II

Prima

Toil

Do not apply POWERTWIN® with any insecticide or adjuvant (other than the specified adjuvants).

An interval of at least 7 days should elapse before or after application of broad-leaved herbicides or graminicides. An interval of at least 5 days must elapse between applications of POWERTWIN.

Crops should not be re-entered until spray residues are dry.

WEED CONTROL

For best results, the largest weeds should not be beyond the fully expanded cotyledon stage at spraying. Occasional larger weeds will usually be controlled by a full series of POWERTWIN sprays, provided that at the first treatment they are not larger than the maximum sizes shown below.

On soils containing more than 10% organic matter, the residual activity of POWERTWIN may be reduced.

Weeds killed up to 6 expanded true leaves

Charlock	Field-speedwell, Common	Pimpernel, Scarlet
Fat-hen	Hemp-nettle, Common	Radish, Wild (Runch)

Weeds killed up to 4 expanded true leaves

Black-bindweed	Meadow-grass, Annual	Penny-cress, Field
Fumitory, Common	Orache, Common	Speedwell, Ivy-leaved
Groundsel	Pansy, Field	

Weeds killed up to 2 expanded true leaves

Bugloss	Knotgrass	Nipplewort
Dead-nettle, Henbit	Marigold, Corn	Persicaria, Pale
Dead-nettle, Red	Nettle, Small	Redshank

Other weeds controlled

Chickweed, Common – killed up to 10 cm across or high

Cleavers – killed up to 5 cm across or high

Mayweed – severe check or kill up to 2.5 cm across or high

CROP SPECIFIC INFORMATION

All varieties of sugar beet, fodder beet and mangels may be treated.

Time of application

The first POWERTWIN plus specified adjuvant low volume application should be made when the majority of crop plants have reached the fully expanded true leaf stage. The earliest germinating weeds should not be larger than the fully expanded cotyledon stage at the time of spraying. Further POWERTWIN plus specified adjuvant low volume sprays must be applied as each new flush of weeds reaches the cotyledon stage.

Successful results from a low volume programme are achieved by applying each spray when the previous one is still showing an effect on the weeds. A minimum of 5 days must elapse between treatments.

Rate of Use

From the fully expanded true leaf stage use 1.3 litres POWERTWIN per hectare in 80-100 litres of water per hectare, followed by 1.3 litres per hectare for all subsequent treatments. Add specified adjuvant (0.5 litres per hectare at the first application followed by 1.0 litres per hectare for all subsequent treatments).

Following crops

Beet crops may be sown at any time following the use of POWERTWIN. Three months must elapse before any other crop is sown, and mould-board ploughing to a depth of 15 cm must precede seedbed preparation.

MIXING AND APPLICATION

Add the required quantity of POWERTWIN plus specified adjuvants to a quarter-filled spray tank with continuous agitation, then add the remaining volume of water. Continue agitation during spraying.

Ensure that all spraying equipment is thoroughly washed out immediately after use. Use a recognised tank cleaner.

Use a FINE spray as defined by the BCPC system. Avoid spray drift.

COMPATIBILITY

Please contact your supplier or Adama Agricultural Solutions UK Ltd for up-to-date information on compatibility.

Do not apply POWERTWIN with any insecticide or adjuvant (other than NEWMAN Cropspray 11E or Prima or Toil or Phase II or Abacus).

Always read the label of the partner product carefully before use.

COMPANY ADVISORY SECTION

This section is not part of the Product Label under Regulation 1107/2009 (GB/NI) and provides additional advice on product use.

DISCLAIMER/CONDITIONS OF SUPPLY

The specified properties of our products and the mode of application stated on this label have been established on the basis of research and experience. Products conform to specification at the time of delivery but, as we exercise no control over their subsequent storage, handling, mixing or use or the weather conditions before, during and after application, all of which may affect the performance of the products, no responsibility or liability will be accepted by us or our re-sellers for any failure in performance, damage or injury to person or property whatsoever arising from the storage, handling, application or use of the products. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in or make recommendations concerning the use of such products. We recommend you contact your dealer to request advice on the suitability of this product for any new and/or unusual growing methods or for new varieties not listed on this label.

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