



# GOLTIX<sup>®</sup> 70 SC



ADAMA



**HERBICIDE**

**Suspension concentrate**

**MAPP 16638  
PCS 04668**

**H**

FOR PROFESSIONAL USE ONLY



### Ingredients

- Metamitron ..... 700 g/l (58.3% w/w)
- Also contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-2-one (3:1).



### Crops

A selective herbicide with foliar and root activity for use in sugar beet, beetroot, fodder beet and mangels.



## Warning

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

Keep out of reach of children.  
Avoid breathing vapours/spray.  
Do not eat, drink or smoke when using this product.  
IF ON SKIN: wash with plenty of soap and water.  
If skin irritation or a rash occurs: get medical advice/  
attention.  
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 16638  
PCS 04668**

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### Scan for Safety Data Sheet

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



R 3.4.1 Aug 24

This label is  
compliant with  
the Voluntary  
Initiative  
Guidance.

**NO VARNISH  
AREA**

**5Le**



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**HERBICIDE**

**Suspension concentrate**

**MAPP 16638  
PCS 04668**

**GROUP 5 HERBICIDE**



## SAFETY PRECAUTIONS

### Operator Protection

*UK only: 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.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

*UK only: 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.

WASH ALL PROTECTIVE CLOTHING thoroughly after use, especially the insides of gloves.

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

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

### 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.

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

### 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.

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

In the event of emergency, call the National Poisons Information Centre, Beaumont Hospital on 01 809 2166 or 01 837 9964 (8am - 10pm 7 days a week) or the UK National Chemical Emergency Centre on +44 (0)1865 407333 (24 hours, 7 days a week).

## IMPORTANT INFORMATION

FOR PROFESSIONAL USE ONLY AS AN AGRICULTURAL HERBICIDE

**Crops:** Sugar beet, red beet, fodder beet and mangels

**Maximum individual dose:** 2.0 litres per ha

**Maximum total dose:** 5.0 litres per ha

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

### Other specific restrictions:

The minimum interval between applications is 6 days.

Fodder beet and mangels must not be grazed by livestock or harvested for animal consumption until at least 32 days following the last application.

**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.**

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SHAKE WELL BEFORE USE

PROTECT FROM FROST

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Do not eat, drink or smoke when using this product.

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

If skin irritation or a rash occurs: get medical advice/attention.

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 16638**  
**PCS 04668**

**GOLTIX® 70 SC (MAPP 16638, PCS 04668)** is a suspension concentrate formulation containing 700g/l (58.3% w/w) metamitron. It also contains reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-2-one (3:1). It is a selective herbicide with foliar and root activity for use in sugar beet, beetroot, fodder beet and mangels.

## 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.*

GOLTIX 70 SC is a versatile crop safe selective herbicide with contact and residual properties acting by both leaf and root uptake for the control of annual weeds in sugar beet, red beet, fodder beet and mangels. GOLTIX 70 SC is absorbed by the roots of any emerging weeds.

## RESTRICTIONS AND WARNINGS

Pre-emergence application is not recommended on organic soils.

### Factors affecting crop tolerance

GOLTIX 70 SC exhibits great safety to beet combined with consistent weed control when used as recommended. The beet plant is, however, very sensitive to herbicide treatments if the following stress factors occur: previously applied pesticides and herbicides (other than GOLTIX 70 SC pre-emergence on mineral soils), soft growth after prolonged rain, sudden changes in temperature, high light intensity, high radiant temperatures, prolonged low temperature periods, insect and fungal attack, damage by wind blows, nutrient deficiencies such as manganese. If these or any other stress-inducing conditions occur, some cotyledon tip scorch may occasionally result. Under these conditions crop tolerance to GOLTIX 70 SC + CROPSPRAY 11E (UK only)/NEWMAN CROPSPRAY 11 E (Ireland only) may be reduced, particularly when used in conjunction with other herbicides either as tank mixes or sequentially.

### Uneven application

Spraying can be uneven due to the movement of spraying equipment, ground undulations, proximity of hedgerows etc. This can lead to local high dosages of chemical and damage to the crop for which no responsibility can be accepted by the suppliers.

### **RESISTANCE**

This product contains metamitron, a Group 5 herbicide, based on the mode of action classification system of the Herbicide Resistance Action Committee.

Repeated use of herbicides with the same mode of action can increase the risk of strains of weeds developing resistance to these compounds, leading to poor control. In order to minimise the risk, a strategy for preventing and managing such resistance should be adopted.

Growers are advised to apply products containing herbicides with different modes of action in sequence or tank mix where two or more components are active against the target weeds.

Use the recommended rate of GOLTIX 70 SC and the correct application timing for the hardest to control weed species present in the field.

The above should be used in conjunction with effective cropping rotation and cultivation techniques e.g. stale seedbed, cultivation and use of non-selective herbicide prior to drilling.

Further guidance on weed resistance management is available from the Herbicide Resistance Action Committee (HRAC) and Weed Resistance Action Group (WRAG). Follow WRAG Guidelines.

### **WEEDS CONTROLLED**

#### **Pre-emergence followed by post-emergence applications**

Weeds controlled from a pre-emergence application of GOLTIX 70SC followed by a program of well-timed sprays of post-emergence (at the early cotyledon stage of the weeds) applications of GOLTIX 70 SC + CROPSPRAY 11E (UK only)/NEWMAN CROPSPRAY 11E (Ireland only).

#### **Susceptible**

Dead-nettle, Red	Groundsel
Fat-hen	Scarlet pimpernel

#### **Moderately susceptible**

Chickweed, Common

#### **Resistant**

Black-bindweed	Knotgrass
Cleavers	Pansy, Field

### **Post-emergence programme**

Weeds controlled at early cotyledon stage from a series of well-timed sprays of GOLTIX 70 SC + CROPSPRAY 11E (UK only)/NEWMAN CROPSPRAY 11E (Ireland only) applications.

#### **Susceptible**

Annual meadowgrass	Groundsel	Pineappleweed
Chickweed, Common	Hemp-nettle, Common	Poppy, Common
Dead-nettle, Red	Nettle, Small	Shepherd's purse
Fat-hen	Orache, Common	Speedwells

#### **Moderately susceptible**

Forget-me-not, Field	Pansy, Field	Redshank
Knotgrass	Penny-cress, Field	Scarlet pimpernel
Mayweeds	Persicaria, Pale	

#### **Moderately resistant**

Fumitory, Common	Parsley, Fool's
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#### **Resistant**

Black-bindweed	Perennial weeds
Cleavers	

It is important to adhere to the full programme of sprays to ensure complete kill, particularly under dry soil conditions.

### **CROP SPECIFIC INFORMATION**

GOLTIX 70 SC is recommended for use in all varieties of sugar beet grown on mineral and organic soils and red beet, fodder beet, and mangels grown on mineral soils.

### **TIME OF APPLICATION**

GOLTIX 70 SC may be applied either as a pre-emergence application followed by post-emergence applications or as a post-emergence program.

#### **Pre-emergence of beet followed by post-emergence applications:**

Apply the first application of GOLTIX 70 SC at the pre-emergence stage of the crop. Prolonged dry weather after application may reduce effectiveness. Best results will be obtained on a fine, well consolidated seedbed, free from clods and established weeds. Cloddy or fluffy seedbeds or very dry conditions will reduce activity.

A second application should be applied post-emergence of the crop at the first weed flush, when the weeds are at the expanded cotyledon stage. A further application should be applied when the next flush of weeds germinate. This is usually 10-21 days after the first post-emergence application.

#### Post-emergence programme:

The first application should be made at the cotyledon stage of the earliest germinating weeds. The size of the beet does not matter provided the crop is not under stress. The treatment should be repeated as each flush of weeds reaches the cotyledon stage until weed germination ceases.

If weeds have survived the previous spray 7-10 days after treatment, another application should be made even if no new weeds have germinated during the period.

### **RATE OF USE**

#### Pre-emergence of beet followed by post-emergence applications:

On all mineral soils apply GOLTIX 70 SC at 1.65 L/ha in 80-200 litres of water per hectare as an overall pre-emergence application. This should precede two post-emergence sprays of GOLTIX 70 SC at 1.65 L/ha + CROPSPRAY 11E (UK only)/NEWMAN CROPSPRAY 11E (Ireland only) at 1.65 L/ha applied in 80-100 L/ha water. Alternatively, an application of GOLTIX 70 SC may be used pre-emergence at 2.0 L/ha followed by 2 post-emergence applications of GOLTIX 70 SC at 1.5 L/ha + CROPSPRAY 11E(UK only)/NEWMAN CROPSPRAY 11E (Ireland only) at 1.65 L/ha

#### Post-emergence programme:

An overall programme of three sprays using:

GOLTIX 70 SC 1.65 L/ha + CROPSPRAY 11E(UK only)/NEWMAN CROPSPRAY 11E (Ireland only) at 1.65 L/ha in 80-100 litres of water per hectare.

N.B. The residual activity of GOLTIX 70 SC is dependent on the cumulative rate of GOLTIX 70 SC applied; therefore, if the full programme of sprays is not used, residual activity and efficacy will be reduced.

### **FOLLOWING CROPS**

Beet crops may be sown at any time following the use of GOLTIX 70 SC.

Providing 16 weeks elapse from the last application of GOLTIX 70 SC, winter cereals may be sown in the same season. Any spring crop may be sown in the season following use of GOLTIX 70 SC or GOLTIX 70 SC/CROPSPRAY 11E (UK only)/NEWMAN CROPSPRAY 11E (Ireland only).

Mouldboard ploughing to a depth of 15 cm followed by thorough cultivation is recommended before planting any crop.

### **MIXING AND SPRAYING**

Thoroughly shake the pack before use.

Add the required quantity of GOLTIX 70 SC to the half filled spray tank with the agitation system in operation and then fill to the required level. Continue agitation at all times during spraying and stoppages until the tank is completely empty. Spray immediately after mixing.

When tank mixes are to be used, each product should be added separately to the tank; the GOLTIX 70 SC should be dispersed first unless otherwise specified under the Compatibility section.

RINSE CONTAINER THOROUGHLY by using an integrated pressure rinsing device or manually rinsing three times. Add washings to sprayer at time of filling and dispose of container safely.

Pre-emergence of the crop use a FINE-MEDIUM spray and post-emergence a FINE spray as defined by the BCPC

system. Avoid spray drift.

Do not use finer than 80 mesh filters in spray lines or nozzles.

Clean spray equipment thoroughly after use.

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

## COMPATIBILITY

### UK only

GOLTIX 70 SC can be used as a 2-way tank mix with any of the following products to improve the weed control spectrum:

Powertwin®

Cropspray 11E

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

### Ireland only

For information on tank mixes, consult ADAMA Agricultural Solutions UK Ltd, your agronomist or your distributor.

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## COMPANY ADVISORY INFORMATION

*This section is not part of the Product Label under the Plant Protection Products Regulations and provides additional advice on product use at the discretion of ADAMA Agricultural Solutions UK Ltd.*

## 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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