



COMMANDER



ADAMA

F



FUNGICIDE

Water dispersible granule

MAPP 21033

PROTECT FROM FROST



Ingredients

- Captan 80% w/w



Crops

A fungicide for moderate control of apple and pear scab and the reduction of *Gloeosporium* rots of apple.



Warning

May cause an allergic skin reaction.

Causes serious eye irritation.

Suspected of causing cancer.

Very toxic to aquatic life.

Harmful to aquatic life with long lasting effects.

Keep out of reach of children.

Wear protective gloves,

protective clothing, eye

protection & face protection.

IF ON SKIN: Wash with plenty of

soap and water.

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.



L:221954:IPFR_D1



Scan for Safety Data Sheet

Or use the weblink : <https://bit.ly/3DIY7nX>

Alternatively, contact your supplier.



8.0.0 Jun 20

This label is compliant with the
Voluntary Initiative Guidelines



NO VARNISH
AREA

5kg

CLEAN
CROP

COMMANDER

**FUNGICIDE****Water dispersible
granule****MAPP
21033****GROUP M4 FUNGICIDE**

Marketed by: Masstock Arable (UK) Limited,
Station Road, Andoversford, Cheltenham,
Gloucestershire, GL54 4LZ
Tel: **01242 821100**

Authorised to:
ADAMA Agricultural Solutions UK Ltd
Third Floor East, 1410 Arlington Business Park,
Theale, Reading, RG7 4SA

PROTECT FROM FROST.**DIRECTIONS FOR USE:**

See leaflet for full instructions.

*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 A HORTICULTURAL FUNGICIDE**

Crops:	Apple and pears
Maximum individual dose (kg product/ha)	2.0
Maximum number of applications:	10 per year
Latest time of application:	31 days before harvest

Other specific restrictions:

A minimum interval of 10 days must be observed between applications.

The maximum concentration must not exceed 1.7 g of product per 1 litre water when applying by hand-held equipment.

Spray equipment must only be used where the operator's normal working position is within a closed cab on a tractor or on a self-propelled sprayer when making air-assisted applications to top fruit.

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.



5 056325 506128 L22956IPBB_01

SAFETY PRECAUTIONS

Operator Protection

Spray equipment must only be used where the operator's normal working position is within a closed cab on a tractor or a self-propelled sprayer when making air-assisted applications to top fruit.

Other 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 product.

WEAR SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) AND SUITABLE PROTECTIVE GLOVES when applying by hand-held equipment.

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

WASH ANY CONTAMINATION FROM SKIN OR EYES IMMEDIATELY.

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

TAKE OFF IMMEDIATELY all contaminated clothing.

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

WHEN USING DO NOT EAT, DRINK OR SMOKE

WASH HANDS before eating and drinking and after work.

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.

To protect aquatic organisms and non-target plants do not apply on impermeable surfaces such as asphalt, concrete, cobblestones, railway tracks and other situations with a high risk of run-off

DO NOT ALLOW DIRECT SPRAY from broadcast-air assisted sprayers to fall within 30m of the top of the bank of a static or flowing waterbody, unless a Local Environmental Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 5m of the top of a ditch which is dry at the time of application. Aim spray away from water.

This product qualifies for inclusion within the Local Environmental Risk Assessment. For Pesticides (LERAP) scheme. Before each spraying operation from a broadcast air-assisted sprayer, either a LERAP must be carried out in accordance with HSE's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

Storage and Disposal

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

DO NOT RE-USE CONTAINER for any purpose.

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS

Warning

May cause an allergic skin reaction.

Causes serious eye irritation.

Suspected of causing cancer.

Very toxic to aquatic life.

Harmful to aquatic life with long lasting effects.

Keep out of reach of children.

Wear protective gloves, protective clothing, eye protection & face protection.

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

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

FOR PROFESSIONAL USE ONLY AS A HORTICULTURAL HERBICIDE

Crops:	Apple and pears
Maximum individual dose (kg product/ha)	2.0
Maximum number of applications	10 per year
Latest time of application:	31 days before harvest

Other specific restrictions:

A minimum interval of 10 days must be observed between applications.

The maximum concentration must not exceed 1.7 g of product per 1 litre water when applying by hand held equipment.

Spray equipment must only be used where the operator's normal working position is within a closed cab on a tractor or on a self-propelled sprayer when making air-assisted applications to top fruit.

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.

This leaflet is part of the approved label.

PROTECT FROM FROST

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.

CLEANCROP® COMMANDER (MAPP 21033) is a water dispersible granule formulation containing 80% w/w captan. It is a fungicide for moderate control of apple and pear scab and the reduction of *Gloeosporium* rots of apple.

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 OR WARNINGS

After spraying with alkaline or oil containing products, sprayer tanks and equipment should be thoroughly cleaned before using CLEAN CROP COMMANDER.

We recommend that you do not spray Bramley's Seedling, Monarch, King Edward (Edward VII), Kidds Late Orange, Red Delicious, Winston Apple or D'Anjou pear as these may be sensitive. However, CLEAN CROP COMMANDER has been successfully used at the recommended doses on Bramley without crop damage. However, if you choose to use it on Bramley we strongly recommend that you check the susceptibility under your growing conditions by treating a small number of plants in the first instance.

Safety to parasites and predators used in integrated crop management has not been tested and safety cannot be assumed.

RESISTANCE

CLEANCROP COMMANDER is a multi-site protectant fungicide. For resistance management purposes, its mode of action is classified as M4 under the FRAC code which indicates low-risk without any signs of resistance or cross-resistance developing.

CLEANCROP COMMANDER is well-suited for use in anti-resistance fungicide management spraying programmes.

DISEASES CONTROLLED

Apples

Scab (*Venturia inaequalis*) - moderate control

Gloeosporium storage rots - reduction

Pears

Scab/Black spot of pears (*Venturia pyrina*) - moderate control

CROP SPECIFIC INFORMATION

Time of application

Apples and Pears

For control of apple or pear scab, CLEANCROP COMMANDER is most effective when used preventatively as part of a programme of routine sprays beginning at the start of flowering. Commence spraying at bud burst and repeat at 10 to 14 day intervals until early July if scab conditions prevail. Treatments should be made at 10 day intervals when trees are making rapid growth particularly during rainy conditions.

Apples

For reduction of Gloeosporium storage rots, spray in mid to late July and repeat at 2-3 week intervals for as long as orchard conditions permit or until 31 days before picking. Harvest before mid-October. When CLEANCROP COMMANDER has been used for post-blossom scab control and heavy infection is not expected spray in mid-August and repeat 3 weeks later.

We recommend that you do not spray Bramley's Seedling, Monarch, King Edward (Edward VII), Kidds Late Orange, Red Delicious, Winston Apple, or D'Anjou pear as these may be sensitive. However, CLEANCROP COMMANDER has been successfully used at the recommended doses on Bramley without crop damage. However, if you choose to use it on Bramley we strongly recommend that you check the susceptibility under your growing conditions by treating a small number of plants in the first instance.

RATE OF USE

Apples and Pears

Apply at a rate of 2.0 kg/ha in 500 - 1,000 L water/ha. A maximum of 10 applications per year may be made. Latest timing is 31 days before harvest

Apply the recommended dose of 2.0 kg/ha to full height trees typical of UK orchards at full canopy density. Where tree height and/or canopy density is reduced, the dose (and water volume) should be adjusted in accordance with an appropriate dose adjustment scheme. Consult your specialist advisor for further information. A recognised dose adjustment scheme is the UK PACE <http://www.pace.pjwrc.co.uk>

FOLLOWING CROPS

There are no following crops restrictions.

MIXING AND SPRAYING

Before spraying it is important to check all hoses, filters and nozzles, and to ensure that the sprayer is clean and correctly set to give an even application at the correct volume.

Half-fill the sprayer tank with water. Commence agitating the water. Add the required amount of CLEANCROP COMMANDER to the water and add the remainder of the water, continuing to agitate the mixture during filling and use. Do not leave mixed spray standing overnight.

Thoroughly clean the sprayer and measuring equipment after using CLEANCROP COMMANDER.

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.

Marketed by:
Masstock Arable (UK) Limited
Station Road
Andoversford
Cheltenham
Gloucestershire
GL54 4LZ
Tel: 01242 821100

Authorised to:
ADAMA Agricultural Solutions UK Ltd
Third Floor East
1410 Arlington Business Park
Theale
Reading
RG7 4SA

The CleanCrop® logo is a registered trademark of Origin Enterprises plc.

Other brand names referred to on this label are trademarks of other manufacturers in which proprietary rights may exist.