

**DAUPHIN® 45**

DAUPHIN® 45 is a registered trademark of Societe Financiere de Pontarlier

# DAUPHIN® 45

MAPP No : 16434

**A water-dispersible granule containing 450 g/kg cymoxanil  
for the control of potato late blight**

IN CASE OF TOXIC OR TRANSPORT EMERGENCY PLEASE CALL CARECHEM24 INTERNATIONAL ON 0208 762 8322

IMPORTANT INFORMATION FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE	
Crop	Potato
Maximum individual dose	220 g product / ha (delivering 99 g a.i./ha)
Total number of applications per season	8 per crop
Latest time of treatment	14 days before harvest
Other specific restrictions	A minimum of 7 days must be observed between applications DAUPHIN 45 must be used in tank mixture with a contact fungicide authorized against P.infestans, at full rate.

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.

#### 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 gloves and suitable respiratory protective equipment\* when handling the product  
\*Disposable filtering facepiece respirator to at least EN149 FFP3 or equivalent.

Wear suitable protective gloves when handling contaminated surfaces. WASH CONCENTRATE from skin or eyes immediately DO NOT BREATHE SPRAY IN CASE OF CONTACT WITH EYES. RINSE IMMEDIATELY with plenty of water and seek medical advice WHEN USING DO NOT EAT, DRINK OR SMOKE  
WASH HANDS AND EXPOSED SKIN before eating and drinking and after work IF YOU FEEL UNWELL, seek medical advice immediately (show the label where possible)

##### 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.

DO NOT ALLOW DIRECT SPRAY from ground crop sprayers to fall within 5m 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 1 m of the top of a ditch which is dry at the time of application.  
DO NOT ALLOW DIRECT SPRAY from hand-held sprayers to fall within 1m of the top of the bank of a static or flowing waterbody. Direct 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 horizontal boom sprayer, either a LERAP must be carried out in accordance with CRD'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.  
EMPTY CONTAINER COMPLETELY and dispose of safely  
KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS  
KEEP OUT OF REACH OF CHILDREN  
KEEP AWAY FROM FIRE AND SPARKS



##### Hazard Statements

H302 Harmful if swallowed  
H361fd Suspected of damaging fertility. Suspected of damaging the unborn child  
H373 May cause damage to organs through prolonged or repeated exposure if swallowed

H411 Toxic to aquatic life with long lasting effects

##### Precautionary Statements - EU (§28, 1272/2008)

P201 Obtain special instructions before use  
P260 Do not breathe dust/fume/gas/mist/vapors/spray  
P273 Avoid release to the environment  
P308 + P313 IF exposed or concerned: Get medical advice/ attention  
P391 Collect spillage  
P501 Dispose of contents/ container in accordance with national regulation

##### EU Specific Hazard Statements

EUH401 To avoid risks to human health and the environment, comply with the instructions for use

BATCH No : See packaging

Net contents: 1 kg

#### 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.  
DAUPHIN® 45 is for use on potatoes only.

##### Disease controlled:

Potato late blight (Phytophthora infestans)

##### Crop specific Information:

Rate of use: 0.22 kg product/hectare

##### Other specific restriction:

The maximum concentration must not exceed 220 g product in 300 litres water

##### Disease control:

Successful control of potato late blight requires a season-long disease prevention policy that integrates cultural measures such as the destruction of ground keepers and potato dumps and commencing the spray before blight infection. DAUPHIN® 45 contains the active ingredient cymoxanil, which is locally systemic. DAUPHIN® 45 should be applied only in tank mixture at the registered dose.

However, as cymoxanil has a short lasting effect and provides a protection of minimum 7 days, DAUPHIN® 45 should be applied only in tank mixture with specified formulations of either mancozeb or maneb at registered dose. In practice, DAUPHIN® 45 is to be added to basic preventative contact fungicide programs in a rational way, when the risk is high.

The combination of two active ingredients will also help to reduce the selection and build-up of resistance strains of fungi. Potato fungicides may not give complete protection of blight when the incidence of disease is severe.

##### Varieties:

All varieties of early and maincrop potatoes may be treated.

On crops grown for processing consult your processor before use.

##### Timing:

DAUPHIN® 45 must always be used in tank mix with a contact preventive fungicide such as mancozeb or maneb at registered dose for potato blight.

Timing of spray applications should take into account the normal prevalence of the disease in the area and conditions of the particular season. The first spray should be applied as soon as there is a risk of blight infection or an official warning is issued. In the absence of warning, spraying should begin just before the crop meets along the rows. Applications should be repeated every 10-14 day intervals depending on the prevalence of the disease and on whether the conditions are favorable for infection. A 7 day spray interval may be used under exceptional circumstances e.g. when the potato blight risk is high and rain is forecast at the time that the next 10 day spray is due. The longer interval is recommended under dry conditions. Irrigation of crops increases the risk of blight and crops should always be sprayed with DAUPHIN® 45 tank-mixed with a contact fungicide, as soon as possible after irrigation, subject to the minimum spray interval.

##### Varieties:

All varieties of early and maincrop potatoes may be treated.

On crops grown for processing consult your processor before use.

##### Water volumes:

Apply DAUPHIN® 45 in 300 to 600 l/ha, the higher volumes may be used in thick or dense crops to improve coverage.

##### Dose:

DAUPHIN® 45 should be applied at 0.22 kg/ha in tank mixture with mancozeb or maneb at registered dose.

All other requirements or restrictions on the partner label(s) should be adhered to.

##### Resistance management

When fungicides with the same mode of action are used repeatedly over several years in the same field, naturally occurring less sensitive strains may survive, propagate and become dominant in that field. It is therefore advised that spray programs should include fungicides with differing modes of action.

##### Following crops

Any crop may be sown after a crop treated with DAUPHIN® 45.

##### Mixing

Spraying equipment should be thoroughly cleaned before spraying. FDJ03 mixes easily with water and should be added directly to the spray tank during filling. Wash out container and add washing to the spray tank. Continue agitation till spraying is complete.

##### COMPATIBILITY

DAUPHIN® 45 is compatible with the following mancozeb formulations produced by United Phosphorus/Cerexagri Manzate 75 WG (M15052), Penncozeb 80 WP (M14718), Penncozeb WDG (M14719) and Trimanzone (M14729). All other requirements or restrictions on the partner label(s) should be adhered to.

##### SPRAY TANK CLEAN-OUT

Immediately after application, completely drain spray equipment.  
Thoroughly rinse sprayer and flush the hoses, boom nozzles with clean water.  
Loosen and physically remove visible deposits.  
Remove and clean nozzles, screens and strainers.  
Flush the entire system with clean water.  
Take all necessary safety precautions when cleaning equipment.  
Do not clean near wells or water sources.  
Dispose of waste water in accordance with local regulations.

##### WARRANTY:

The seller makes no warranty, expressed or implied, concerning the use of the product other than indicated on the label. The purchaser and user shall assume all risk associated with the use and/or handling and/or storage of the product if this use and/or handling and/or storage are carried out contrary to label instructions.

##### DAMAGES:

Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damage not exceeding the purchase price of the product, and shall not include incidental or consequential damages.