

Tizca®

A suspension concentrate containing 500 g/litre fluazinam

**A fungicide for control of foliar blight (*Phytophthora infestans*)
and protection against tuber blight in potatoes
MAPP 16289**



To access the Safety Data Sheet for
this product, scan the QR code or
visit the website below:
[http://www.headland-ag.co.uk/
product-downloads/mapp16289](http://www.headland-ag.co.uk/product-downloads/mapp16289)
Alternatively, contact your supplier

PEEL BACK FOR DIRECTIONS FOR USE LEAFLET

Product identifier: Fluazinam 500 g/l SC Contains: fluazinam and 1,2-benzisothiazol-3(2H)-one



Warning

H317 May cause an allergic skin reaction.
H361d Suspected of damaging the unborn child.
H410 Very toxic to aquatic life with long lasting effects.
P261 Avoid breathing vapours.
P273 Avoid release to the environment.
P280 Wear protective gloves, protective clothing and eye/face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P308+P313 IF exposed or concerned: Get medical attention/advice.
P501 Dispose of contents/container as hazardous waste.

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

CONDITIONS OF USE

FOR USE ONLY AS AN AGRICULTURAL FUNGICIDE

Crops:	Potato
Maximum individual dose:	400ml of product per hectare
Maximum total dose:	3.0 litres product per hectare
Latest time of application:	A minimum of seven days must be observed between applications at the 300 ml product/ha rate and a minimum of ten days at the 400 ml product/ha rate
Aquatic buffer zone distance:	7 metres (see Environmental Protection Phrase 1)

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.

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DIRECTIONS FOR USE

Important: This information is approved as part of the Product Label. All instructions within this section should be read carefully in order to obtain safe and successful use of this product.

Disease control

TIZCA is a fungicide for control of foliar blight (*Phytophthora infestans*) and protection against tuber blight in potatoes. Tizca is a protectant fungicide and therefore applications must begin prior to the development of blight.

Crops

TIZCA can be used in early and maincrop potatoes.

Rate and Time of Application

Apply TIZCA at 300-400 ml/ha

Initial application:

Irrespective of crop growth stage, apply TIZCA at the first blight warning or when local weather conditions are favourable for the disease, whichever is the sooner.

In the absence of weather conducive to disease development, the first application should be made just before the crop meets in the rows.

Repeat applications:

Risk of disease development:	Interval between applications:	Dose rate:
Low risk (before conditions conducive to blight development have occurred)	14 days	300-400 ml/ha
High risk (following two warm, humid days or in irrigated crops)	7-10 days	300-400 ml/ha
Severe risk (during continued warm, humid weather and when blight is in nearby crops, potato dumps or volunteer plants)	7 days or 10 days	300 ml/ha 400 ml/ha
	Apply according to blight warning and disease prediction systems	

Tuber blight:

To reduce the risk of tuber blight at harvest TIZCA should be used regularly at the recommended intervals from full canopy development to complete haulm desiccation. A complete haulm desiccation programme must be carried out to reduce the risk of development of subsequent tuber blight. The crop should not be lifted for at least 10 days after complete kill of the haulm, and stored crops should not be lifted whilst any green tissue remains.

Potato blight fungicides may not give complete protection when the disease risk is severe. However, disease development will be delayed significantly with a well timed spray programme.

Mixing and Spraying

Apply TIZCA in 200-500 litres of water per hectare. Use adequate water to ensure complete coverage of the foliage and stems, increasing the volume as haulm growth progresses, particularly in dense crops and under high or severe blight risk conditions.

Apply as a MEDIUM spray, as defined by BCPC.

Half fill the spray tank with clean water and start the agitation. Shake the container well before opening and pour in the required amount of product. Rinse empty containers thoroughly and add rinsings to the spray tank. Add the remainder of the water and continue agitation until spraying is completed.

When tank mixes are to be used, each product should be added separately to the spray tank, taking due note of any instructions given as to the order of mixing. Do not leave the spray liquid in the sprayer for long periods.

Advice for operators

- TIZCA may cause transient skin reaction in a small number of sensitive individuals.
- People who have been sensitised by TIZCA should not use or have further contact with the product.
- Avoid contact with spray drift. Ensure spraying is carried out under good conditions and that the sprayer is adjusted to minimise drift.
- Do not allow unprotected skin to come into contact with contaminated clothing.
- Do not allow unprotected skin to come into contact with contaminated sprayer parts.
- Ensure sprayer is washed down daily.
- Wash all protective clothing regularly, preferably daily, when working with TIZCA.
- When entering crops do not allow unprotected skin to come into contact with treated foliage.

Compatibility

For information on tank mixing please contact your Headland distributor or refer to the Headland web-site (www.headland-ag.co.uk).

Resistance

TIZCA contains fluazinam, a protectant multisite fungicide (FRAC Group 29).

Disease control may be reduced if strains of pathogen less sensitive to TIZCA develop.

Make a timely start to spray programmes, when there is warning or risk, or, in the absence of weather conducive to disease development, just before the crop foliage begins to meet in the rows. Use forecast schemes and /or local knowledge to time application more accurately (see details under 'Rate and Time of Application').

Alternate with other fungicides having a different mode of action to FRAC Group 29 fungicides.

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

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 GLOVES when handling contaminated surfaces.

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

Environmental Protection

Crops with >5m buffer zone:

Since there is a risk to aquatic life from use, direct spray from horizontal boom sprayers must not be allowed to fall within the distance specified for the crop of the top of the bank of any static or flowing waterbody or within 1m of the top of a ditch which is dry at the time of application. Spray must be aimed away from water.

Buffer zones must be measured in accordance with the guidance set out in the booklet 'Local Environment Risk Assessment for Pesticides - Horizontal Boom Sprayers' available from HSE Chemicals Regulation Directorate's website and any amendments made to it.

The results of the LERAP must be recorded in written form and must be available for a period of three years for inspection to any person entitled to exercise enforcement powers under or in connection with the Plant Protection Products Regulations 2011 or the Plant Protection Products (Sustainable Use) Regulations 2012. (An electronic record will satisfy the requirement for a written record, providing it is similarly available for inspection and can be copied).

Other specific restrictions

When used on crops with a greater than 5m aquatic buffer zone this product must not be applied via hand-held equipment.

This product qualifies for inclusion within the Local Environment 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 the 'Local Environment Risk Assessment for Pesticides Horizontal Boom Sprayers' booklet available from the HSE Chemicals Regulation Directorate's website or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for three years.

A minimum of 7 days must be observed between applications of 300 ml product/ha and a minimum of 10 days between applications at 400 ml product/ha

Storage and Disposal

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDINGSTUFFS

KEEP OUT OF REACH OF CHILDREN

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

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

Store in a suitable pesticide store. Keep dry and protect from frost.

TIZCA is a registered trademark and product of Cheminova A/S, Lervig, Denmark

TERMS AND CONDITIONS OF SUPPLY, SALE OR USE

All goods supplied by Headland Agrochemicals Ltd. are high grade and we believe them to be suitable for the purpose for which we expressly supply them; but as we cannot exercise any control over their mixing, use or application which may affect the performance of the goods all conditions and warranties statutory or otherwise as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us or our Associate Companies for any damage or injury whatsoever arising from their storage, handling, re-application or use. These conditions cannot be varied by our staff, our agents or the re-sellers of the product whether or not they supervise or assist in the use of such goods.