

HELIOPOLIS®

Thermal antistress



**PINE TERPENES
TECHNOLOGY**



CHARACTERISTICS

A genuine reflex solution in the event of thermal stress, HELIOPOLIS® is a liquid abiotic physical barrier formulated with a unique combination of terpenes: pine terpenes and beta-carotene. When HELIOPOLIS® is applied to the plant surface, a protective barrier is formed, composed in particular of beta-carotenes, excellent UV absorbers. This limits sunburn, scald, evapotranspiration and fruit shattering.

Advantages of **HELIOPOLIS®** :

- Protects against sunburn
- Reduces fruits and pods shattering
- Limits water evapotranspiration
- Does not mark the fruit

PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Clear, light yellow liquid

Odour : Pine

pH at 20°C : 7 (at 0.5% dilution)

Solubility in water : Emulsifiable

Density : 0.9445 g/cm³

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ADVICE FOR USE AND APPLICATION

FOR PROFESSIONAL USE ONLY

PREPARATION OF THE SPRAY MIXTURE

Shake the preparation well before use. Fill the spray tank $\frac{3}{4}$ full of water. Pour the required amount of HELIOPOLIS® into the tank under agitation. Then finish filling the tank with water to the required volume while maintaining agitation. Maintain agitation during the entire application and during transport.

SPRAYER CLEANING AND TANK BOTTOM MANAGEMENT

At the end of each application of the product, the entire apparatus (tank, oar, circuit, nozzles, etc.) must be rinsed with clean water. The rinsing of the sprayer, the spreading or emptying of the tank bottom and the disposal of effluents must be carried out in accordance with the regulations in force.

DISPOSAL OF THE PRODUCT AND PACKAGING

When using the product, empty and rinse the can well with clear water (manual rinsing 3 times by shaking the can filled to 1/3 or mechanical rinsing for a minimum of 1 minute), while ensuring that the rinsing water is poured into the sprayer tank. Take the opened, rinsed and drained packaging to your ADIVALOR partner distributor or to another company authorised to dispose of hazardous waste. For the disposal of unused products, keep the product in its original packaging. Ask your distributor partner of ADIVALOR or call upon a company authorized for the collection and the elimination of the dangerous waste.

COMPATIBILITY

HELIOPOLIS® is compatible with most plant protection products. When using several products in the spray tank, interactions may occur. Therefore, compatibility testing is recommended. Read the label of the partner product carefully before mixing with HELIOPOLIS®.

SAFETY ADVICE AND STORAGE

OPERATOR AND WORKER PROTECTION

The use of suitable and well-maintained equipment and the implementation of collective protection are the first preventive measure against occupational risks, before the implementation of individual protection.

The wearing of dedicated work overalls or PPE must be associated with hygiene practices (e.g. hand washing, showering at the end of treatment) and disciplined behaviour (e.g. dressing/undressing procedures).

Cleaning and storage of work overalls and reusable PPE must be in accordance with their instructions for use.

STORAGE

It is recommended to store the product at a temperature between 1°C and 34°C, preferably in a cool place and to avoid direct sunlight.

STORAGE PERIOD

Once stored, HELIOPOLIS® can be used for a period of 24 months from the date of production.

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SAFETY INSTRUCTIONS

**WARNING**

EUH401 Follow instructions for use to avoid risks to humans and the environment. H315 causes skin irritation. Wear protective gloves / protective clothing / eye / face protection. IN CASE OF SKIN CONTACT : wash with plenty of water and soap. In case of skin irritation : consult a physician. Dispose of contents/container through a licensed waste collector or organisation. Do not contaminate water with the product or its packaging. Do not clean application equipment near surface water. Avoid contamination via drainage systems of farmyards or roads. To protect aquatic organisms, maintain a 5-metre restricted-entry zone to water sources or wider if the conditions of use of the associated preparation require a wider restricted-entry zone. REUSE OF PACKAGING IS PROHIBITED.

IN CASE OF AN EMERGENCY: CALL 15 OR 112 OR CONTACT THE NEAREST POISON CONTROL CENTRE.

Safety data sheet available on www.quickfds.com

USAGE TABLE

CULTURE	TARGET	MAX NUMBER APPLICATIONS/SEASON	RATE	STAGE*
POTATO	Evapotranspiration	5	2l/ha	All stages
SUGAR BEET	Evapotranspiration	4	2l/ha	BBCH 39 to harvest
SUNFLOWER/SOYA	Evapotranspiration	2	2l/ha	Until blooming
CEREALS	Evapotranspiration (Scalding, grain filling)	2	2l/ha	Blooming
CORN	Evapotranspiration	2	2 l/ha	BBCH 14 to 18
RAPE	Breakup of siliques	4	1l/ha	BBCH 80 to 89
TOMATO, CUCUMBER, PEPPER	Evapotranspiration Sunburn	4 (For both applications combined)	1l to 2l/ha	BBCH 71 to harvest BBCH 81 to harvest
APPLE, PEACH	Evapotranspiration and fruit cracking Sunburn	2	1l to 2l/ha	BBCH 71 to harvest BBCH 81 to harvest
CHERRY, PLUM	Evapotranspiration Fruit cracking	2 2	1l to 2l/ha	BBCH 71 to harvest BBCH 81 to harvest
VINE	Evapotranspiration Sunburn	4 (For both applications combined)	1 l/ha or 2 l/ha **	BBCH 69 to harvest BBCH 81 to harvest

* Respect a pre-harvest period of 7 days

**4 applications at 1 l/ha with 7 days interval between applications and 4 applications at 2 l/ha with 14 days interval between applications

Minimum re-entry interval: 24 hours

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COMPOSITION

Contains a mixture of terpene derivatives (pine terpenes and beta-carotene).

PACKAGING AND LOGISTICS DATA



CAN
OF 10L



This pictogram indicates that the packaging of this product can be collected by the distributors partners of the ADIVALOR

Action Pin code : 3391
Gencode : 3519220033912

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