



ESTABLISH DORMINANCE

1,4SIGHT® is a highly effective dormancy enhancer designed to maintain the quality of stored potatoes by controlling dormancy and preventing sprouting. It works by penetrating the potato skin and delaying sprouting activity, thereby prolonging the storage life of potatoes.



Key Features

Extended Dormancy

Prolongs the storage life of potatoes

Reduced Sprouting

Prevents potato sprouting during storage

Less Bruising

Increases turgidity which protects against pressure bruise and shrink

Less Weight Loss

Lowers respiration rate, slowing the loss of moisture and solids

Increased Shelf Life

Extends the time potatoes can be kept on store shelves

ACTIVE INGREDIENT
1,4-Dimethylnaphthalene
(1,4-DMN)

FORMULATION
Liquid

PRODUCT PACKAGING
20 liter metal can

APPLICATION RATE
10-20ppm per application
(0.5-1 L / 50 348 kg OR
10-20 mL / 1 000 kg)
*Dependent on storage conditions

MAX APPLICATIONS
80ppm total per season



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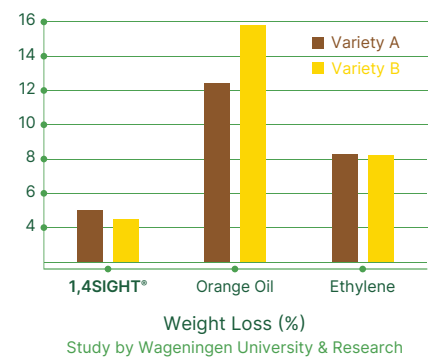
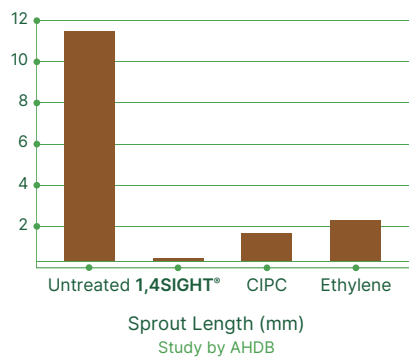
Benefits

Optimizes Storage: Extends the storage life of potatoes, ensuring they stay fresh for processing and retail markets.

Reduces Food Waste: Prevents shrinkage and loss due to sprouting and respiration, contributing to less food waste.

Modeled After Nature: The 1,4-DMN in 1,4SIGHT® is designed to replicate a substance found within potatoes responsible for prolonging dormancy.

Wide application: Suitable for long-term storage in various conditions and most storage systems.



Mode of Action

Once applied, 1,4-DMN triggers internal processes within the tubers, affecting protein synthesis and metabolic activity. 1,4SIGHT® works by increasing the levels of inhibitory proteins, which help establish dormancy. Over time, these proteins naturally degrade to baseline levels, at which point the potatoes will begin to sprout unless re-treated.

Application & Timing

For optimal results, apply as soon as possible after storage closure. 1,4SIGHT® is applied as a fog into the potato storage unit using specialized fogging equipment. The specific application method and rate will depend on factors such as potato variety, storage conditions, and desired results. After the first treatment, reapply 1,4SIGHT® when you notice signs of new sprouting during your regular inspections. Consult with our team for tailored application advice.

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our website

