



# ONE FOR THE ROAD

1,4SHIP® is a ready-to-use aerosol dormancy enhancer designed to preserve the quality and freshness of potatoes during long-distance transportation. By restoring a state of dormancy, it ensures that potatoes arrive at their destination in optimal condition.



## Key Features

### Restores Dormancy

Restores dormancy & helps potatoes retain moisture

### Reduced Sprouting

Restores dormancy, delays peeps, & controls sprouts during transportation

### Less Bruising

Increases turgidity which protects from pressure bruise & shrink

### Increased Shelf Life

Extends the time potatoes can be kept on store shelves

### Easy Application

Dispensed directly into a shipping vehicle before transportation

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

**FORMULATION**  
Aerosol

**PRODUCT PACKAGING**  
Box of 12-6 ounce cans

**APPLICATION RATE**  
Trucks: 2 cans / 400 cwt  
Rail cars: 6 cans / 1200 cwt

**MAX APPLICATIONS**  
Up to 1 can / 200 cwt  
(1 can / 20,000 lbs)



CONTACT US  
208 887 9766  
[info@14group.com](mailto:info@14group.com)



## Benefits

**Preserves Quality:** Restores dormancy, delays peeps, controls sprouts, and helps potatoes retain moisture. Whether potatoes have been previously treated or not, 1,4SHIP® helps fresh potatoes keep their fresh appearance.

**Reduces Losses:** 1,4SHIP® promotes firmness and crispness in potatoes during shipping, reducing load rejections and downgrades.

**Customer Satisfaction:** Extends fresh potatoes' shelf life, supporting customer satisfaction.

**Brief Duration:** 1,4SHIP® is formulated to replicate a molecule endogenous to potatoes that volatilizes away, making sprout suppression temporary and fully reversible.

## Mode of Action

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

## Simple And Effective

1,4SHIP® is designed for easy use. After loading potatoes into the shipping vehicle, attach the 1,4SHIP® can to the wall or door using the adhesive strip. Activate the fogger and leave the vehicle doors closed for 24-48 hours. The fog will penetrate packaging materials, ensuring even distribution. 1,4SHIP® can be used independently or in conjunction with pre-shipping treatments. Consult with our team for tailored application advice.



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