



# CULTIVATING SUCCESS

1,4SEED® is designed to enhance the dormancy of seed potatoes, ensuring optimal sprouting and yield. By temporarily suppressing the growth of buds, 1,4SEED® helps prevent premature sprouting during storage and transportation, leading to healthier, more productive plants.



## Key Features

### Maximize Seed Vigor

Stabilizes dormancy to preserve & maximize seed vigor at planting

### Reduced Shrinkage

Prevents weight loss & decay during storage, ensuring more salable spuds

### Encourages Uniform Emergence

Promotes consistent & even sprouting, leading to healthier crops

### Reduces Apical Dominance

Prevents the development of dominant shoots, ensuring balanced growth

### Modeled After Nature

Formulated to replicate a preexisting compound found to occur in potatoes

**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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## Maintain Vigor

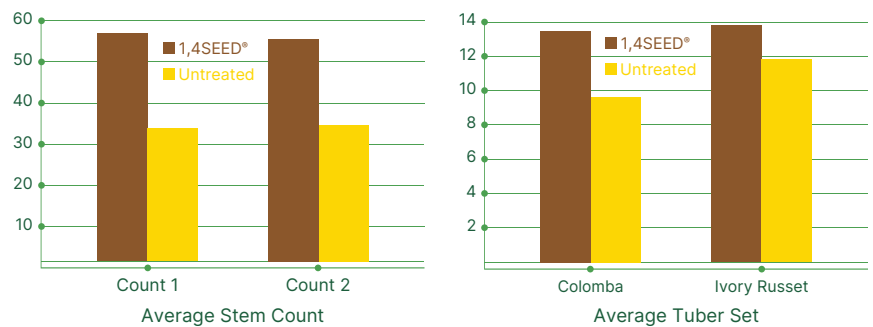
By temporarily halting sprout growth without killing them, 1,4SEED® is ideal for seed lots that have experienced stress during the growing season or harvest, or those with shallow dormancy and premature sprouting.



## Increase Stem Number

**Breaks apical dominance:** In varieties with strong apical dominance, 1,4SEED® keeps seeds dormant, preventing the main shoot from taking over. This allows more eyes to sprout, increasing stem number and uniform emergence.

**Growth Regulation:** After applying 1,4SEED®, temporarily raising storage temperatures can advance the seed's development without causing sprouting. This can lead to more stems when planted.



Commercial Seed Trial

## Application

1,4SEED® can be used successfully on all common varieties of seed potatoes with treatments that normally occur January-March, depending upon the anticipated planting date. Applications can be made up to 60 days before planting. To ensure maximum absorption, apply 1,4SEED® as soon as sprouts start to emerge and shut off outside air intake for at least 12, preferably 48 hours. Contact our team for details on treatment for specific varieties, storage conditions and dormancy expectations.

Visit  
our website

