



**Germination & Cold Vigour  
Research Summary 2018-2022**

# 3rd party Trials Conducted from 2018-2022

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## **Testing Sites:**

20/20 Seed Labs Inc. (Winnipeg, MB),  
New Era Ag Research (Swan River, MB),  
SGS Labs (Sherwood Park, AB)

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## **Methods:**

Germination Mats.

Tests at New Era Ag Research Conducted with both Germination Mats and In-Soil, In-Soil tests were conducted to determine emergence rates.

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# Liquid Seed Dressing Data Summary

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## Germination Summary

**Seed Lots Tested:** Field Peas, Hard Spring Wheat, Barley, Oats, Corn

**Germination Effect:** 86% of tests improved germination percentage by 1-14% depending on original seed quality

Strongest responses from Hard Spring Wheat, Oats, and Corn.

## Cold Vigour Summary (Germination below 10°C)

**Seed Lots Tested:** Field Peas, Hard Spring Wheat, Barley, Oats, Corn

**Germination Effect:** 75% of tests improved cold vigour percentage by 6-9% depending on original seed quality.

All crops showed a strong response.



Grower's Standard

EcoTea™ Seed Dressing

\*A minimum of 3 data sets for each seed lot and treatment collected. Calculated rates are an average of all seed lots and grains for that treatment type, compared to the untreated seed. Corn and canola seed had commercial seed treatments on which EcoTea™ was applied onto.

# Dry Seed Dressing Data Summary

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## Germination Summary

**Seed Lots Tested:** Field Peas, Hard Spring Wheat, Barley, Oats, Corn, Canola, Hemp, Flax, Soybeans, Mix Forage seed

**Germination Effect:** 87% of tests improved germination percentage by 1-5% depending on original seed quality

Strongest responses from Flax, Soybeans, and Hemp.

## Cold Vigour Summary (Germination below 10°C)

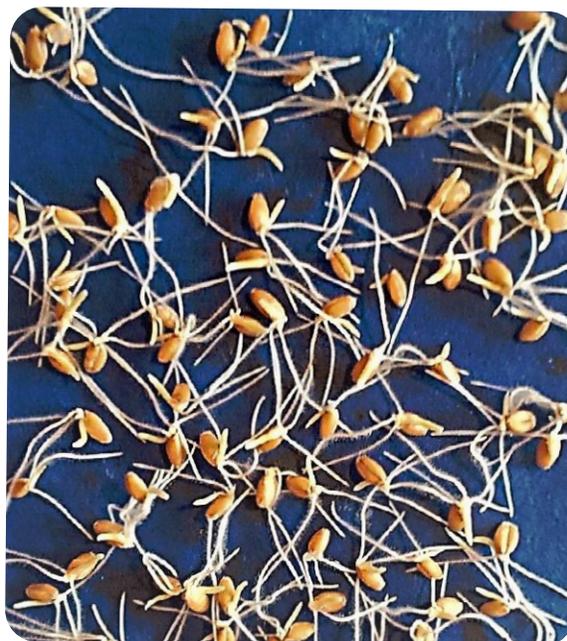
**Seed Lots Tested:** Field Peas, Hard Spring Wheat, Barley, Oats, Corn, Canola, Flax, Soybeans, Mix Forage seed

**Germination Effect:** 67% of tests improved cold vigour percentage by 1-12% depending on original seed quality.

Strongest responses from Flax, Hard Spring Wheat, and Mixed Forage Seed.



Grower's Standard



EcoTea™ Seed Dressing

\*A minimum of 3 data sets for each seed lot and treatment collected. Calculated rates are an average of all seed lots and grains for that treatment type, compared to the untreated seed. Corn and canola seed had commercial seed treatments on which EcoTea™ was applied onto.