



Germain's: Your Seed Technology Partner

Providing new solutions to the challenges of modern horticulture production

Today, European seed producers and growers are challenged with producing **more from less**. That means achieving even **greater yields**, with **less harmful chemicals**, in **ever more challenging growing conditions**.

Most of the mainstream chemical treatments used in EU horticulture have now been banned, leaving growers more exposed to the biotic and abiotic challenges of the field.

European summers are getting hotter¹, and weather is becoming more volatile. Floods, drought, and extreme heat waves are becoming a more common occurrence.²

These factors have a detrimental impact on germination and plant health, which is leading to widespread losses.

While new breeding advancements can provide plants with certain enhanced vigour, the plants themselves require multi-stress tolerance solutions to withstand the biotic and abiotic stresses of mainstream horticulture production systems.

At Germain's Seed Technology, our aim is to provide seed breeders and growers with real solutions to these challenges.



¹ 2022 was a year of record high temperatures for May and June. Temperatures in July reached 40°C in many EU countries. (ERA5 Data)

² Heat waves, floods and storms have caused over €145 billion in economic losses in the EU over the past decade.

(Eurostat Study 2022)



Spinach goseed[®] from Germains

A solution to the challenges of modern EU horticulture industry production

EU Hort. Industry Challenges

-  New tougher legislation
-  Removal of harmful agrochemicals
-  Environment is top EU priority
-  Weather becoming more volatile
-  EU summer getting hotter 35-40°C (global warming)

Germains Response

-  Deliver more advanced seed technology
-  Optimise use of novel biostimulants
-  More focus on plant health, nutrients and soil
-  Delivering abiotic stress tolerance at 35°C +
-  More advanced priming and disinfection



- ✓ 100% chemical pesticide free
- ✓ Provides multi-stress tolerance
- ✓ Precision-formulated nutrients
- ✓ Biostimulants
- ✓ Boosts plant health in early growth stage
- ✓ Reduced crop losses from abiotic stress
- ✓ Improves yield vs untreated seed
- ✓ Micro-plastic free³
- ✓ NMI approved

Germains is focused on delivering next-generation seed technology solutions by enhancing its technical capabilities in priming, pelleting, coating, disinfection and seed health. Germains provides complex multi-dimensional solutions that work with the plant, the soil, and the environment to maximise the natural potential of plants.

To achieve the EU goal of having a more sustainable food production system, Germains is optimising the use of novel biostimulants and nutrients to create multi-stress tolerance for crops. **Spinach goseed** is the first of many solutions Germains Seed Technology plans to bring to market.

Spinach goseed is 100% chemical pesticide free, and is technically proven to reduce crop losses from abiotic stress in hot, dry, cold, and wet conditions.

³ Spinach goseed will be micro-plastic free from 1st October 2023.



Delivering abiotic stress tolerance at **35°C +**