CEREAL CROPS · TRIAL RESULTS · SPRING WHEAT

Spring wheat: 11% more yield from one spray

A single application of Hortimed HUMUS SAPROPEL Biostimulant during the season raised the yield of spring wheat 'Bombona' from 3.91 to 4.33 t/ha in a 2023 field trial in Latvia.

+10.7%
Grain yield vs the untreated control

+0.42 t/ha
Extra grain per hectare

1 spray
The whole programme - one application in the season

What it means for growers

- **Easy to adopt.** The whole programme was a single application - simple to fit into an existing spray plan.
- **Better milling quality.** Treated grain was coarser, with more gluten and starch than the control.
- **Food-grade grain.** With a falling number of 368-369 s, the harvest met food-grain requirements.

Grain yield

Treatment	Yield, t/ha	vs control
Control	3.91	-
HUMUS SAPROPEL, 1 spray	4.33	**+10.7%**

Yields recalculated to standard moisture content.

Grain quality (treated plots)

- 1000-grain weight 39.99 g
- Gluten 26.8%
- Starch 65.8%
- Falling number 368-369 s - all plots, treated and control, met food-grain requirements

Trial at a glance

Crop	Spring wheat
Cultivar	'Bombona'
Product tested	Hortimed HUMUS SAPROPEL Biostimulant
Location	Eastern Latvia
Season	2023
Trial type	Replicated field trial
Research partner	SIA Latgale Agricultural Science Centre (LLZC), Latvia
Application	One foliar spray during the season
Statistics	Replicated plots with statistical analysis (LSD/ANOVA)

Product used

Hortimed HUMUS SAPROPEL Biostimulant

A liquid biostimulant made from sapropel - an organically rich freshwater lake sediment from Latvia. CE-marked under EU Fertilising Products Regulation (EU) 2019/1009, OMRI Listed and Ecocert-approved.

About this trial

Source: SIA Latgale Agricultural Science Centre (LLZC), Latvia - 2023 spring wheat 'Bombona' trial report.

Results vary with season, soil, crop and management. Figures are trial averages and are not a guarantee of results on an individual farm.

Full trial reports - with methodology, weather data and complete quality tables - are available on request.

Request the full trial report