EXPERIMENTAL DOSSIER

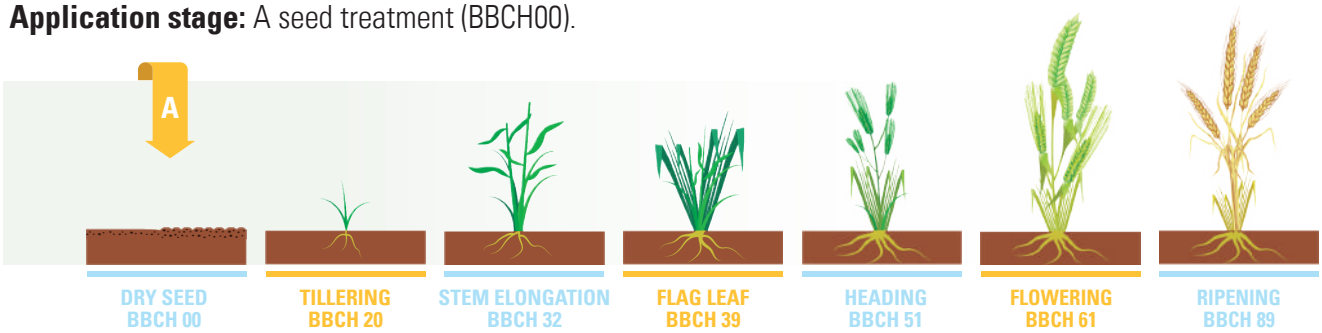
Bio-Semina LQ Plus Triticum aestivum

Objective: to evaluate the effectiveness of the product **Bio-Semina LQ Plus** applied as seed treatment in cereal crops.

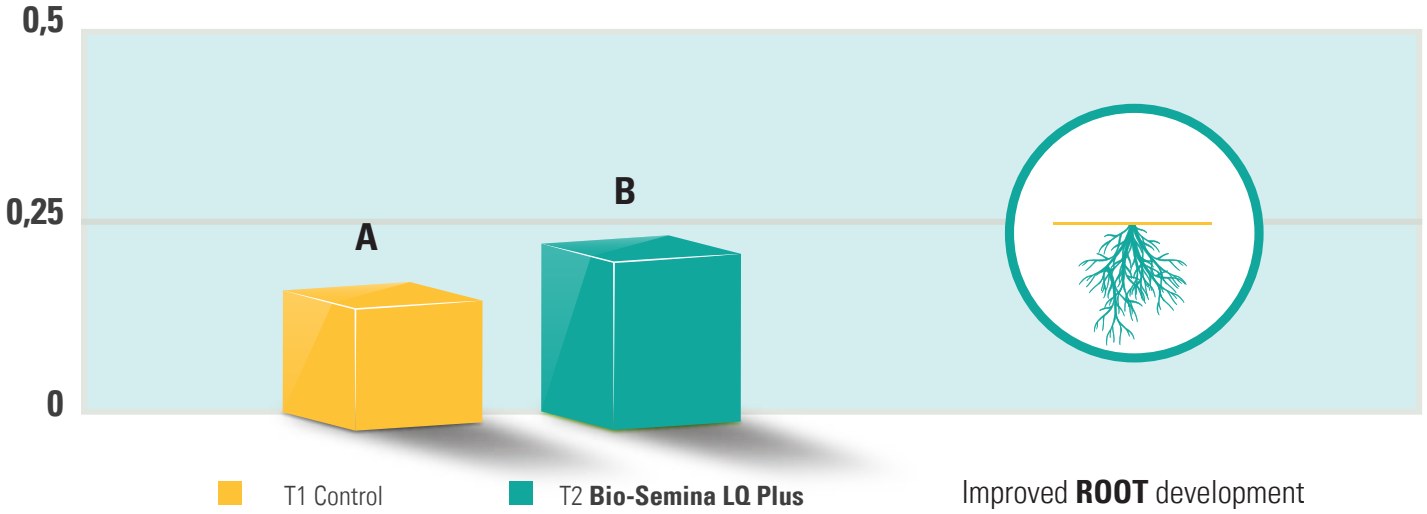
Crop	*Triticum aestivum (var. Rebelde)*
Essay centre	Sata s.r.l.
Test location	Experimental field Predosa (AL) - Italy
Notes	Sowing period 29.10.2023
Surveys	Root/leaf biomass, root development, NDVI index

Thesis	Product	Active ingredients	Dose 100 kg-sees	Application method	Application stage	Timing
T1	Control	----	----	----	----	----
T2	Bio-Semina LQ Plus	*Rhizosphere bacteria:* *Azotobacter chrococcum LS132* 1,0 x 10^8 CFU/g* *Azospirillum brasilense AGS608* 1,0 x 10^8 CFU/g* *Bacillus subtilis S3B1* 3,3 x 10^7 CFU/g* *Bacillus licheniformis PS141* 3,3 x 10^7 CFU/g* *Bacillus amyloliquefaciens AGS282* 3,3 x 10^7 CFU/g* *Mycorrhizas ((Glomus spp.) 5,0 %* *Selection of actinomycete fungi:* *Trichoderma longibrachiatum AGS799* 1,0 x 10^8 CFU/g*	400 ml	Seed treatment	BBCH 00	A

Application stage: A seed treatment (BBCH00).

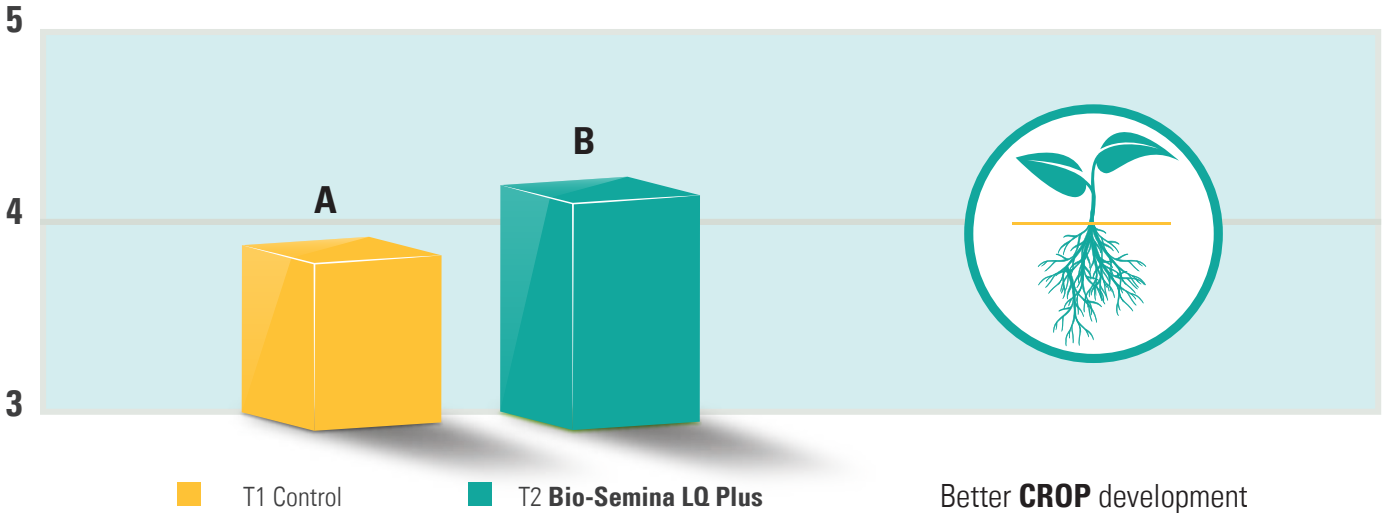


ROOT DEVELOPMENT (g/cm)



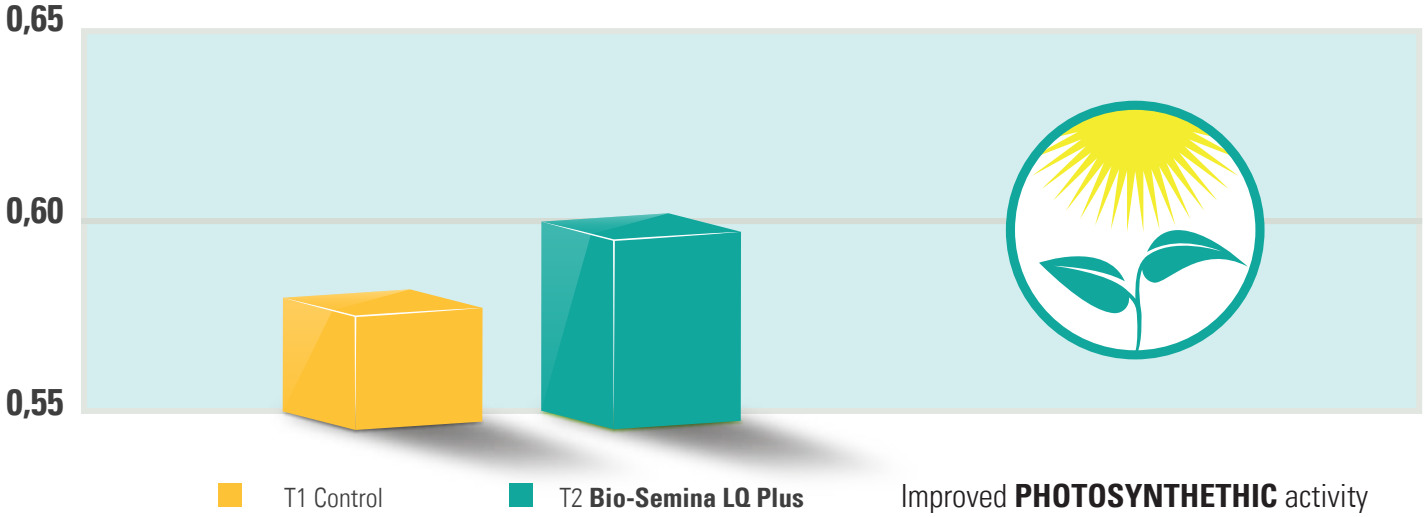
Improved **ROOT** development

TOTAL BIOMASS SNK p< 0,05



Better **CROP** development

NDVI INDEX (BBCH 23-25)



Improved **PHOTOSYNTHETHIC** activity

Results: The use of **Bio-Semina LQ Plus** for seed treatment allows greater development of the root system, and of the crop in the emerging stages ensuring a greater photosynthetic activity.