



Soft wheat: Chelal Cu

Aim of the trial

The aim is to increase the yield of soft wheat by means of foliar spraying with Chelal Cu.

General information

Conditions of the trial:

Trial location:	France – Midi Pyrénées	Variety:	Ultim
Sowing date:	Beginning of December 2024	Previous crop:	Sorghum
Soil type:	Boulbène, pH 6.5 – 6.8		
Soil fertilisation:	193 units of nitrogen /ha		
In cooperation with:	Earl Embernou		

Experimental design:

Trial carried out on large surfaces, without repetitions: field of 5.70 ha in total (control on 5.20 ha; treated area with Chelal Cu on 0.50 ha).

Treatments

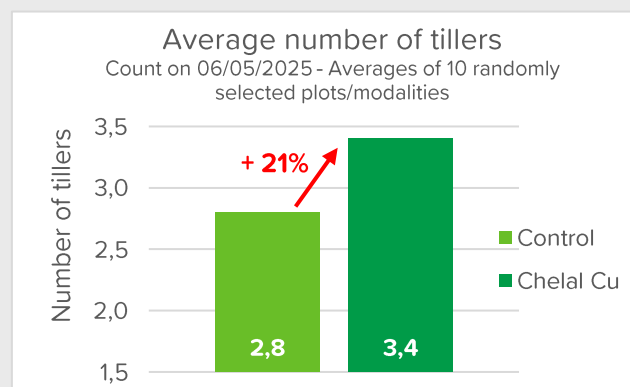
2 modalities:

- **Untreated control**
- **Chelal Cu:** 2 L/ha in the phenological stage “Mid-tillering” (14/03/2025)

Results

Visit to the plot on 06/05/2025 : measurements on 10 randomly selected plots per modality.

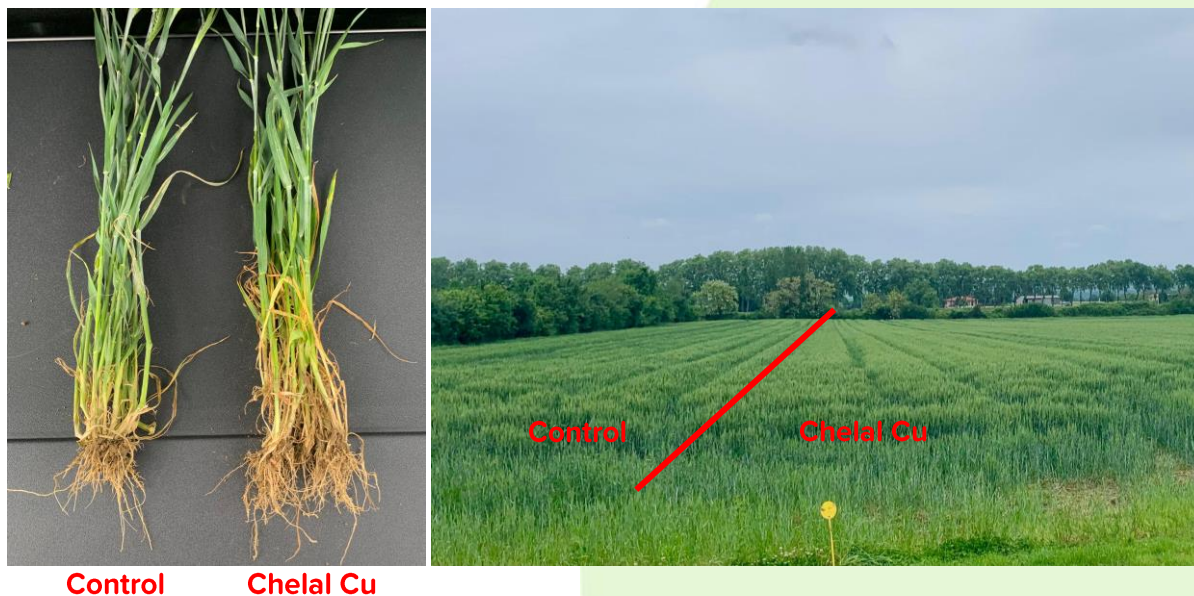
06/05/2025	Control	Chelal Cu	
Average number of tillers	2.8	3.4	+ 21%
Average height of the main tiller	60 cm	70 cm	+ 16%
Average height side tiller 1	48 cm	66 cm	+ 37%
Average height side tiller 2	49 cm	50 cm	+ 2%



Ear formation Control: 50% - 1.5 ears on a total of 3 tillers
Ear formation Chelal Cu: 100% - 3 ears on a total of 3 tillers



The area of the field treated with Chelal Cu is more homogeneous (see photo), as it has more and taller tillers, and 100% ear formation. Better root development and earlier ear formation are also visible.



Harvest on 30/06/2025 :

30/06/2025	Control	Chelal Cu	
Yield (T/ha)	5.80	6.92	+ 19.4%
Specific weight (kg/hl)	79.9	81.4	+ 1.9%

