



Soybean: R-PLS as seed treatment

Aim of the trial

The aim of the trial is to increase the plant density of soybeans on two plots that are subject to massive attacks by wood pigeons, corvids and hares.

General information

Conditions of the trial:

Trial location: France – Midi Pyrénées
Variety: ISIDOR (farm seed)
Sowing date: End of May 2025
Sowing density: 330,000 seeds/ha (60 cm spacing). Desired density: 280,000 plants/ha (15% loss due to farm seed with no guaranteed germination)
Soil type: Plot 1 (3.3 ha): boulbène, Plot 2 (4.5 ha): Clay-loam
Seed treatment: Inoculum Rizoliq Top (including controls)
In cooperation with: Earl Embernou

Experimental design:

Trial on big surfaces without replicates: 1 ha treated per plot.

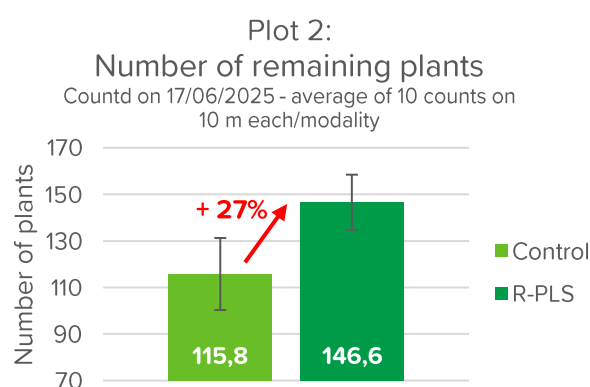
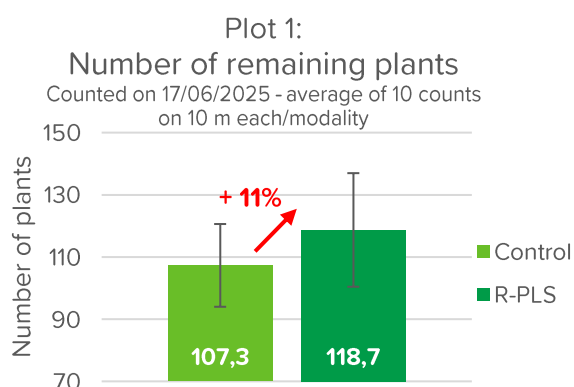
Treatments

2 modalities:

- **Untreated control**
- **R-PLS: 1 kg/ha as seed treatment**

Results

Field visits on June 17, 2025 for the plant density counts. Count of the number of plants remaining in 10 strips of 10 m each (randomly selected) per modality.



	Plot 1	
	Control	R-PLS
Density/ha	178,837	197,837

	Plot 2*	
	Control	R-PLS
Density/ha	193,004 a	244,338 b

* Statistically significant difference (p < 0.05)