

Stoller Solution to make efficient use of nitrogen and improve its fixation in legumes*

The Stoller's Formulation Technology designed for **CoMoPlatinum** contains cobalt and molybdenum, two elements that **improve the biological fixation of nitrogen in the soil and the plant's ability to assimilate it.**

Why is it important to make use of cobalt and molybdenum to fix nitrogen?

Cobalt is a fundamental component of Vitamin B12, essential for the proper functioning of the nodule. Molybdenum is part of the enzyme nitrogenase, essential for the transformation of nitrogen from air into ammonium in nodules.



- ✓ Increased nodulation and nitrogen-fixing activity in nodules.
- ✓ Increased root growth and depth.
- ✓ Rapid and vigorous growth of plants.
- ✓ Acceleration of the transformation of nitrates into useful proteins for the plant.

Features	CoMoPlatinum
Scientific evidence	Tested in scientific trials and field tests.
High quality formulation	It contains the high-stability Stoller Platinum technology that allows it to be mixed with other products. Stoller's Formulation Technology has the essential nutrients to help plants improve absorption, translocation and assimilation capacity.
Cost - benefit ratio	High return on investment by improving productivity and profitability.

Stoller's Formulation Technology		
Nutrients	Mo	Co
Content	12%	1.5%
Physiological properties	Increases the assimilation of N. Protein production.	Increases nodulation (Synthesis B12).

Density (kg/L): 1.48 ± 0.02

pH: 6.0 - 8.0

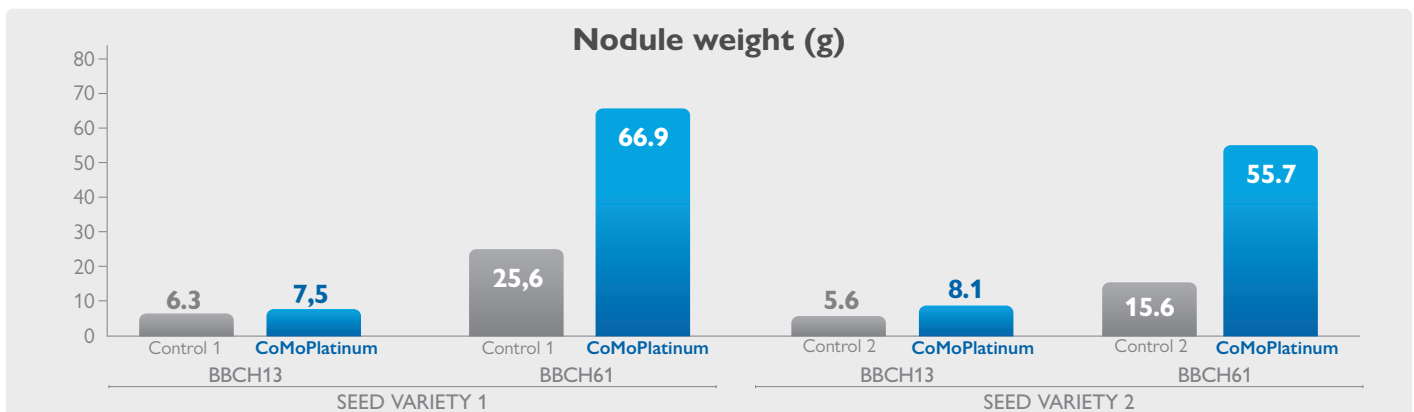
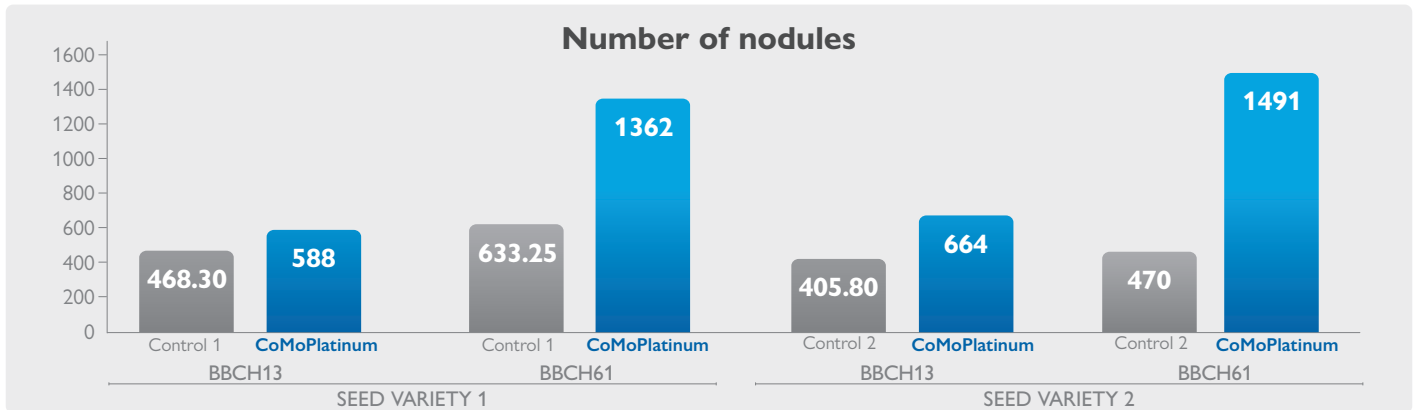
Conductivity (ms): 40 - 50



*Thanks to Stoller Formulation Technology, we provide the appropriate nutrition that naturally intervenes in the physiological processes of the plants.

Results

• Soybean



With the application of **CoMoPlatinum** at sowing we increased the number of nodules (Fig. 1) and nodule weight (Fig. 2) in **two different types of seeds** (Control 1 and Control 2).

Treatment	Yield (kg/ha)	Thousand-seed weight in g	Protein	N2	Humidity (%)
Control 1	2648	166.2	38.5	6.1	13.9
CoMoPlatinum	3583	171.3	40.4	6.4	15.5
Control 2	2598	170.7	39.9	6.3	13.9
CoMoPlatinum	4580	176.1	42.3	6.7	15

Table 1: Harvest quality.

In addition, thanks to a correct use of nitrogen in the plant, we also **improve the final quality of the crop** (Table 1), increasing yield, grain weight, protein and nitrogen content.

Stoller Solutions: Stoller Solutions' value lies in our experience and understanding of plant hormone balance: how it relates to crop growth stages and the impact of the natural hormone activity on plant development and yield.

Our **patented technology** is effective to guarantee a optimal plant growth, getting every hectare, no matter what conditions or challenges we face during the season.