

Rev up your rhizobia with

Moly-Balt™

Product Code: SNPK0092



Guaranteed Analysis (w/v %)

Molybdenum (Mo)	22.5%
Cobalt (Co)	0.8%
Phosphorus (P)	9.9%
Sulphur (S)	0.4%
Specific Gravity	1.54 kg/L

Typical Application Rates

Foliar:

40 - 150 mL/ha as required
Horticulture use 200 - 2,000 L/ha water
Broadacre use at least 100 L/ha water

Directed Soil Spray:

50 - 100 mL/ha
prior to planting or banded under canopy

SLTEC® Moly-Balt™ contains a balance of molybdenum and cobalt, which are essential for nitrogen fixation of rhizobia on pulse crops. Without ample supply of cobalt and molybdenum, your crop's root rhizobia may not function correctly and hence lose yield.

Why Cobalt?

The best-known function of cobalt in plants is for N-fixing micro-organisms, such as rhizobia, which live symbiotically with legume plants. In N-fixing bacteria, cobalt is a vital component needed to synthesize vitamin B12, which is necessary to form hemoglobin. The hemoglobin content in legume root nodules is directly related to successful N fixation.¹

Cobalt is necessary for nitrogen (N) fixation occurring within the nodules of legume plants.¹

“Cobalt is essential in animal nutrition for the synthesis of vitamin B12. Where animal Co deficiencies occur, mineral supplements can be provided to animals, or crop fertilization with Co can be useful.”¹

Why Molybdenum?

Legumes: The symptoms of insufficient Mo include general stunting and yellowing, typically seen as a result of insufficient N supply. Root nodules are green and small.¹

These Mo-enzymes are involved in the regulation of nitrogen (N) nutrition. In non-legumes, nitrate reductase regulates the conversion of nitrate into bioactive forms. The Mo requirement of legumes is greater than that of grasses and other crops, as an additional Mo-enzyme (nitrogenase) is required by the root nodule bacteria for N fixation. Canola also has a relatively high demand for Mo, requiring 5 - 6 times more Mo than cereals.¹

Benefits of Moly-Balt™

- A blend of two essential nutrients required for optimal nitrogen-fixing bacteria to function.
- Readily crop available nutrients that can be seed, foliar or soil applied.
- Compatible with a wide range of common ag chemicals, allowing for tank mixing and co-applying in a single pass.

References

1. <http://www.ipni.net/publication/nutrifacts-na.nsf/>

Moly-Balt™

Product specifically formulated to provide your crop with molybdenum and cobalt



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