Dry Molybdenum (47% Mo)

What is it?

- Highly water-soluble source of Molybdenum.
- Molybdenum is essential for the process of symbiotic nitrogen (N) fixation by Rhizobia bacteria in legume crops.
- Molybdenum is needed by the plant in the synthesis and activation of nitrate reductase enzyme which reduces nitrate to ammonium in the plant.
- Several materials supply Mo and can be mixed with NPK fertilizers applied as foliar sprays or used as a seed treatment.
- Form used by plants: MoO_4^{-2}
- It is seed, plant and user safe.
- Recommended for organic agriculture use and as a chemical-free fertilizer for environmentally-friendly practices.
- Compatible with conventional nitrogen sources as well as most fertilizers.
- Recommended on all crops.

Figure 1. Molybdenum deficiency symptoms in wheat and canola.

When & Why use it?

- Use to optimize plant growth and development.
- Use to improve the formation of nodules in pulses.
- Help with early season frost tolerance.
- Recommended on soils below pH of 5.5; low in phosphorus or with a continuous supply of sulphates or ammonium nitrogen or on sandy soils.
- Use to improve the conversion of nitrates (NO_3^-) into amino acids and proteins within the plant.
- Involved in synthesis of ABA
- It's also recommended on turf grass, potting soils, in the gardens on flowers, shrubs and trees as well as on fruit trees in orchards.

What to expect?

- An improved growth and development especially under stress conditions or when the crop is lacking nitrogen.
- Better utilization of Nitrogen and Phosphorus.
- Contribute to preserving yield and quality.

Application Guidelines

- **In-furrow or by drip-irrigation:** 20-40g/ac at seeding.
- Moly can be combined with liquid fertilizers used as starters or through the drip irrigation.
- **Foliar:** 20-40g/ac depending on the severity of nitrogen deficiency and the stress conditions.
- Compatible with biological products derived from live organisms or spore suspensions.
- SHAKE WELL before using the concentrated product.
- Store at 2 – 25^{o}C.