



wilchem
SIGNATURE RANGE

MOLYBDENUM

MOLYBDENUM AMINO ACID CHELATE
Mo 100 g/L : N 16 g/L : AA 100 g/L

Analysis (w/v)
Molybdenum (Mo) – 100 g/L
Amino Acid (AA) – 100 g/L
Nitrogen (N) – 18 g/L
pH – 6.0 to 6.5
Specific gravity (SG) – 1.24

Signature Amino Acid Chelates

Wilchem Signature is a range of amino acid chelates. Amino acids are *bidentate chelants* – they form two bonds to the nutrient to form a “chelate ring”. The chelate ring is stronger than a single ionic bond, which protects the nutrient and maintains it in solution. Amino acid chelates increase nutrient uptake efficiency, leading to increase yield and quality.

Uses:

Wilchem Signature Molybdenum is used to correct and prevent molybdenum deficiency in a wide range of crops. Signature Molybdenum can be applied via fertigation, furrow injection or foliar applications for broadacre, viticultural and horticultural production where molybdenum deficiency may occur.

Directions for use:

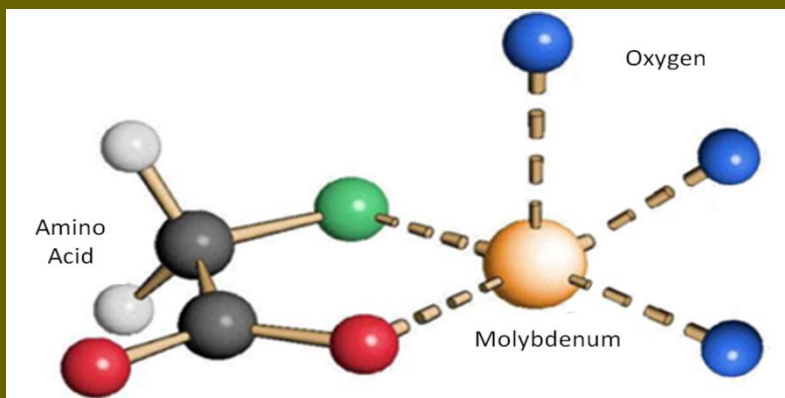
Foliar sprays are the most effective way of applying Signature Molybdenum however, it is also suitable for fertigation and furrow injection as chelates reduce reactions in the soil solution making the nutrients more available and for a longer period.

Molybdenum Deficiency:

Molybdenum deficiency occurs mainly in soils with low pH, that are high in aluminium, iron oxides and copper or those low in phosphate. Vegetables, canola and legumes are particularly sensitive.

Deficiency Symptoms:

- Symptoms will develop in older leaves first
- Yellowing leaves, stunting, necrosis of tips and margins
- Pasture legumes will exhibit symptoms identical to nitrogen deficiency



Crop	Rate L/Ha	Timing	Water L/Ha
Cereal	0.15 – 0.3	Apply after deficiency is identified	50 - 80
Beans/Peas/Lupins	0.1 – 0.3	Sufficient foliage	50 - 80
Canola	1.5 – 0.3	3 to 5 Leaf or after deficiency is identified	50 - 80
Citrus	0.1 – 0.2	Apply after deficiency is identified	500 - 1000
Grapevines	0.15 – 0.3	Apply after deficiency is identified	200 - 800
Pasture	0.15 – 0.3	Sufficient foliage, at least 2 weeks before cutting	50 - 80

The Function:

Molybdenum plays a key role in nitrogen nutrition, being a cofactor in the enzyme nitrate-reductase, assisting in the conversion of nitrates into proteins. It is also important in legumes to aid in nitrogen fixation.

Compatibility with Agricultural Chemicals:

Signature Molybdenum is compatible with a wide range of agricultural herbicides and pesticides. Check the Compatibility Guide as a reference. Always do a small jar test before preparing a full tank mix.

Other Details:

Liquid fertilizers can be corrosive to metals so flush equipment clean after use. Avoid inhaling fumes. Avoid contact with eyes and skin. Wash thoroughly with soap and water after handling. Protect from frost. Amino acids are an organic substance and over time some slight precipitation may occur. Do not store for extended periods in direct sunlight.

Wilchem takes your crop as seriously as you do!