TECHNICAL INFORMATION



Molybdenum

Sodium molybdate

A soluble crystalline powder containing 39% w/w elemental molybdenum (Mo)

Uses

To prevent or correct molybdenum (Mo) deficiency in a wide range of agricultural and horticultural crops. Use only where there is a recognised need.

Solufeed Molybdenum can be dissolved in irrigation water and used in hydroponic or fertigation systems as a routine source of Mo, or applied as a foliar spray to the growing crop. Deficiencies in Mo can occur particularly in free draining, acidic sandy soils.



Molybdenum is one of the six essential "trace elements" and (amongst other things) is an essential constituent of the enzyme systems which are involved in the assimilation of some forms of nitrogen. The recognised symptoms include a yellowing of the leaf and cupping of the leaf margins – known as "whiptail" to market brassica growers.

Benefits

- Rapidly and completely soluble in water
- Concentrated source of Mo – easy to store, handle and use
- Readily mixes with other fertilizers and crop chemicals

Chemical/physical data

Analysis: Sodium molybdate: 39% w/w elemental molybdenum

Density: 3.8 grams per cm^3

Appearance: Finely divided white crystalline solid

Directions for use

Application rates foliar application: 100 – 300 grams per hectare in at least 200 litres of water per hectare.

Directions: Half-fill the sprayer tank with clean water and agitate. Slowly add the required amount of Solufeed Molybdenum. Top up with the remaining water. Maintain agitation during transport and spray as soon as possible. Physically compatible with many other commonly used crop chemicals.

Application rates Hydroponics and Fertigation: It is usual to target 0.5 mg/litre (ppm) in the final irrigation water. This rate can be obtained by diluting 1.3 grams of Solufeed Molybdenum in 1000 litres of irritation water. To correct deficiencies it is acceptable to increase the rate to 3 grams Solufeed Molybdenum per 1000 litres of irrigation water.

As a transplant dip Prepare a 0.03% solution (3.0 grams per litre) and immerse transplants singly or in bunches as they are being planted out.

General information

Sodium Molybdate gives best results when crops have adequate supplies of water and major nutrients and are not under stress for any other reason. Conditions that are responsible for one particular deficiency can also induce deficiencies of other micronutrients. Always ensure that deficiencies are confirmed (by soils/tissue analysis for example) before treatment is carried out. Molybdenum (Mo) is unusual in that it becomes more available to the plant as pH increases i.e. is more available at higher pH levels.

Packaging: 1kg (cases of 10 x 1 kg)

Harmonised Tariff No: 2841-70-00

Technical service: For further information, assistance and access to The Solufeed Advisory Service, please contact Solufeed at the address below.

Precautions

To be used only where there is a recognised need. Do not exceed the appropriate dose rate.

No health hazard is involved when *Sodium Molybdate* is used as directed

No special precautions are necessary for transport by air, sea, rail or road.

Detailed health and safety information may be found on the relevant Material Safety Data Sheet (MSDS) available on request from the address below. This should be read fully before use.

Important

The information in this document has been prepared carefully and is provided in good faith. The application, use and processing of any material together with regulatory compliance is the absolute responsibility of the Buyer. All technical information or other advice provided by the Seller in any form is given without warranty to the full extent provided by law.

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