



Ranadey

# Understanding Molybdenum: Essential BUT Ignored!



01.

## Mo is *the* key player in Nitrogen Metabolism

Without Mo, plants accumulate nitrate in their leaves, but cannot use it to make proteins for normal growth.

Deficiency Symptoms: yellow, wilted leaves, whip-tail, poor flower development & severe abnormality in size.

## Mo is poorly available in acidic soils

Mo is not available under acidic pH. **Most acidic soil analyses done in our lab show non-detect levels of Mo.**

Hence external application of Mo (foliar or soil applied) is ESSENTIAL in acidic soils.

Test your soil to know your Mo levels.

02.

## Mo-Role in Plant Growth

**Required** for Nitrogen Metabolism & Assimilation

**Required** for Synthesis of Phyto-hormone- Abscissic Acid, in Transpiration and Stomatal opening.

**Required for Stress response**

**Required** for Sulphite to Sulphate Metabolism.

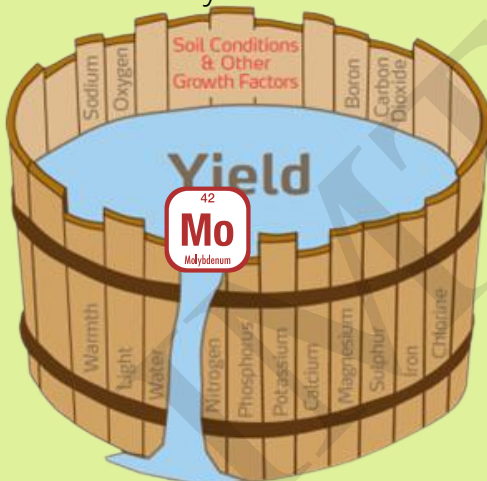
03.

## Mo- Limiting factor in most acidic soils.

Liebig's law of the minimum, states that **growth & productivity is dictated** not by total resources but **by the least available resource** which becomes the limiting factor.

In most **Acidic Soils, Mo is often the limiting factor** for maximum yields.

04.



Mo can be applied through soil or foliar application.

**CHECK LEVELS IN SOIL TO MANAGE YOUR CROP BETTER.**

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ROHANNA AGRI LTD

#270/A, 20th Main, 20th Cross, JP Nagar 2nd Phase, Mysore-570008

Tel: 0821-29743333, 080-22585790

rallab@imttl.com

www.ral-lab.com