

ATTENTION PEA GROWERS!



Molybdenum

We have had great responses to Molybdenum on our farm (up to 13bu/ac in peas). It is very affordable and easy to use. If you have acid soils, this is for you.

Properties of Molybdenum (Mo):

- Molybdenum is an essential plant nutrient. It is a key component in the nitrate reductase enzyme which converts nitrate to ammonium to amino acids to proteins in all plant types. The more Nitrogen a crop requires, the more Moly it requires.
- Moly is essential for N fixation in legumes. It is the catalyst in converting atmospheric nitrogen to ammonium for use by the plant.
- Needed for the synthesis of Abscisic Acid (ABA), which is key in managing environmental stress.
- Involved in seed dormancy. If plants are short of ABA seed dormancy can be reduced, resulting in easier germination in wet falls, leading to poor falling numbers.
- Used within the plant to convert sulphite (toxic to plants) to sulphate (used by plants), and to build proteins (N:S ratio)
- Mobile in the soil
- Mobile in the plant

Deficiency:

- Reduced Nutrient Use Efficiency, especially Nitrogen and Sulphur
- Reduced pollen formation and pollen size (poorer seed set)
- Most common on low pH soils because Mo availability decreases with pH.

Solution:

- Sodium Molybdate (39.6% moly)
- Available in 2kg pails
- Moly can be applied on seed, in soil, or as a foliar treatment
- Recommended rate is ~50grams/ac soil applied, or 25g with herbicide+25g with fungicide.
- Cost is \$120/2kg, or \$3/ac @ 50g/ac

Give it a try on your peas!

Contact Richard Limoges at 780-837-6992 or richard.limoges@hotmail.com

Check out our website: www.limogesseedfarms.ca

