



**AG~NUTRI
PTY. LTD.**

The manganese solution for broadacre crops

LIG-MANGANESE 6%

Mn deficient wheat



PROBLEMS ASSOCIATED WITH MANGANESE DEFICIENCY

Inhibits germination & root growth ♦ Lowers photosynthetic activity
Reduced grain set, filling & yields ♦ Increases disease risk (eg. take-all)
Causes 'split seed' in lupins ♦ Lower oil content in canola

CAUSES OF MANGANESE DEFICIENCY

- ♦ High soil pH (especially those soils with high levels of carbonates & organic matter)
- ♦ Soils high in phosphorous, calcium & magnesium
- ♦ Heavily leached sands & light textured soils
- ♦ Liming of acid soils

BENEFITS OF USING LIG-MANGANESE

- ♦ High plant availability
- ♦ Increases grain yield & quality
- ♦ Quickly absorbed by leaves
- ♦ Compatible with agri-chemicals
- ♦ Cost effective Australian made product
- ♦ Rain-fast

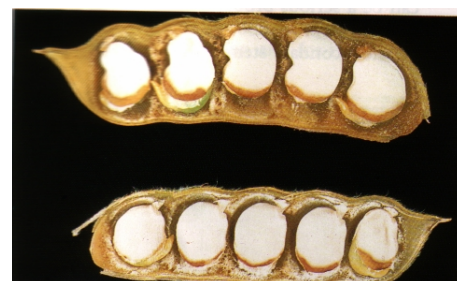
APPLICATION

Cereals & Canola - apply 1 L/ha at 5 leaf stage.

Seed dressing (cereals) - apply LIG-GRAIN + Mn @ 8 L/T

Pulses - apply 1-2 L/ha at 5 leaf stage.

Seed dressing - apply LIG-GRAIN + Mn @ 8-12 L/T



Top: Manganese deficient peas
Bottom: 'Split seed' in lupins
caused by manganese deficiency