Headland
INNOVATION IN AGRICULTURE

Technical data sheet

HEADLAND BO-LA

Inorganic liquid micronutrient

Contains 150 g/l of boron and 7.5 g/l of molybdenum fully soluble in water

Uses:
To correct boron and molybdenum deficiency in agricultural and horticultural crops

Rates: 1-2 litres/ha

Packs per Pallet: 36 x 2 x 10 litres

Introduction:
Headland Bo-La is an inorganic liquid formulation of boron and molybdenum, designed for cost-effective correction of deficiency of these elements in crops. Boron is an essential micronutrient for regulating plant cell water balance and sugar translocation. It is also important in reproductive systems, ensuring healthy pollen development. Deficiency can affect many crops but particularly vegetables, brassicas, root crops and oilseed rape.

Molybdenum is essential to the plant in small amounts for fixation of nitrogen by enzyme systems and for nitrate reduction. Molybdenum deficiency affects a number of crops, but particularly cauliflowers and lettuce, giving rise to the characteristic 'whiptail' symptom. Other members of the Brassica family can also be affected. Deficiency is most likely to arise on acid soils.

Formulation:
Headland Bo-La contains 150 g/l of boron as boron ethanolamine and 7.5 g/l of molybdenum as sodium molybdate, formulated with buffering agents and a modern surfactant system to ensure stability and effective cover and adhesion to foliage.

Rates of Use:
Marginal deficiency and autumn applications: 1.0 l/ha in at least 200 litres of water/ha.
Moderate deficiency: 2.0 l/ha in at least 200 litres of water/ha.
Severe deficiency: 2.0 l/ha initially followed by further applications as required if symptoms should re-appear.

Higher application rates or repeat doses may be required where moderate or severe deficiency is known or identified by analysis.

Note: a crop's nutrient status can only be determined accurately by tissue analysis. Headland recommends that tissue analysis results are used whenever possible to optimize micronutrient applications.

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Timing:
Apply whenever a boron deficiency is observed or expected but after the 3-leaf stage or as soon as there is sufficient foliage available to allow uptake by the plant.

Best results will be obtained from applications during the evening or early morning when moisture is present in the plant.
Do not apply in extremes of temperature, very bright sunlight or when the crop is under drought or other stress.

Application:
Half-fill the spray tank with clean water and begin agitation.
Add the required quantity of Headland Bo-La slowly to the tank, maintaining agitation. Add the rest of the water and apply without delay. Do not allow the spray mixture to stand idle without agitation. Thoroughly clean the sprayer after use.

The use of Headland Guard 2000 at 0.1% v/v is recommended to improve spray retention and rainfastness. Contact Headland Agrochemicals for more information.

Compatibility:
Headland Bo-La is physically compatible with many spray-applied agricultural chemicals. Consult your distributor for the latest information. Alternatively, up-to-date compatibility information is available at www.headland-ag.co.uk.

Storage:
Protect from frost. Store above 5°C. Do not store in direct sunlight.
Keep away from food, drink and animal feeding stuffs and out of reach of children.
Safety Precautions:
The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP3) do not apply to this product. Its use should not present a hazard in normal circumstances. Refer to the Material Safety Data Sheet or product label for more information.

Transport: This product is not classified as hazardous for transport.

Date of latest revision: October 2007

Significant changes since last issue: Updated advice on application rates, storage and compatibility.

Yours faithfully,

For and on behalf of Headland Agrochemicals Ltd.,

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