



YaraVita™

Bortrac™ 150

A concentrated boron product formulated for foliar application

Guaranteed Analysis: water soluble

boron (B)	10.9% w/v	150 g/l
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Why Foliar Apply?

Foliar sprays ensure precise application of the right nutrient mix at the right time, and can be specifically targeted to the leaf or fruit, to suit an immediate crop need.

Foliar application also provides nutrients for immediate uptake by the leaves or fruits. As a result, the grower is not reliant on the right soil, pH or growing media conditions and can quickly put the crop back on course.

Boron requirements:

Boron is essential for the integrity and optimal function of membranes and through this role is known to influence diverse functions such as; carbohydrate metabolism, flower formation, pollen germination, fruit setting, water management and transport within the plant.

The information provided is accurate to the best of Yara's knowledge and belief. Any recommendations are meant as a guide and must be adapted to suit local conditions. Always read the label before use.

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Benefits:

- Formulated for safe application at critical growth stages to satisfy crop requirements.
- Widely tank mixable with other crop sprays. Visit www.tankmix.com/yara for details
- Proven, reliable performance. Trialled and tested on a wide range of crops around the world
- High quality, consistent product. Manufactured to ISO 9001 quality assurance standards
- Easy to use liquid formulation. Pours and disperses easily and quickly into the spray tank.
- High nutrient content means lower application rates reducing handling time and waste packaging.



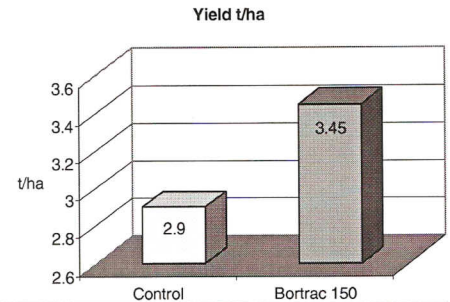


BORON IN THE PLANT

Boron uptake and its transport through the plant are closely linked to the rate of water uptake. Boron is known to influence sugar metabolism, flower formation, pollen germination, fruit setting, water management and hormone transport. As boron is involved in so many different areas of the plant, major growth disturbances occur when it is deficient.

As boron plays an important part in the fertilisation process, the need for it is particularly high during flowering and this is reflected in the application timings given below.

Boron also has a true effect on fruit setting and seed formation. Studies in sunflower have shown that the yield was positively affected by adequate boron. The graph shows a 19% increase in yield.



APPLICATION RATES AND TIMINGS

Product application rates depend on plant requirements. Rates to correct a deficiency will be higher than rates used for maintenance purposes.

Brassicas (field grown): 3 l/ha at 4 to 6 leaf stage with repeat applications at the above rate at 10 to 14 day intervals for moderate to severe deficiency. Water rate: minimum 50 l/ha.

Cereals: 1 l/ha. Apply from the 4 leaf stage to pseudo stem erection, (Zadoks Growth Stage 14 to 30). Water rate: minimum 200 l/ha.

Maize: 3 l/ha at 4 to 8 leaf stage. For moderate to severe deficiency, a repeat application may be necessary 10 to 14 days later.

Sorghum: 3 l/ha from 4 to 8 leaves. Water rate: minimum 30 l/ha.

Sugar Cane: 2 l/ha when cane is between 30 and 120 cm tall. Repeat applications may be necessary at 10 to 14 day intervals.

Peas (Field Grown): 2 l/ha at 4-6 leaf stage. For moderate to severe deficiency, a repeat application may be necessary 10 to 14 days later. Water rate: minimum 200 l/ha.

Beans (Field Grown): 2 l/ha at 4-6 leaf stage. For moderate to severe deficiency, a repeat application may be necessary 10 to 14 days later. Water rate: minimum 200 l/ha.

Sunflower: 2 l/ha from 2 pairs of leaves up to flower bud stage. Repeat if necessary at 10 to 14 day intervals within this period. Water rate: minimum 30 l/ha.

Potatoes: One to two applications of 2 l/ha applied from 7 to 14 days after 100% emergence to 20 days after tuber initiation. Water rate: minimum 50 l/ha.

Avocado: 2 l/ha at spring bud development and again at spring flush. Water rate: minimum 500 l/ha

Pepper (field grown): 2 l/ha applied at early flowering to fruiting, with two repeat applications at 10 to 14 day intervals if necessary. Water rate: minimum 200 l/ha.

Tomato (field grown): 2 l/ha when plants are at 4 to 6 leaf stage. Repeat if necessary at 10 days intervals. Water rate: minimum 50 l/ha.

Coffee: 1 l/ha early in the growing season, pre-flowering and again post-harvest. Water rate: minimum 200 l/ha.

Cotton: 2 l/ha at 4 to 6 leaf stage, at appearance of first flower bud squares and again at open flowers stage. Water rate: minimum 150 l/ha.

Tea: 0.5 l/ha applied during plucking season. Repeat at approximately 1 month intervals. Spray 2 to 6 applications. Water rate: minimum 200 l/ha.

Tobacco: Two applications of 2 l/ha two to three weeks after transplanting (3 to 4 leaf stage) with 10 days between applications. Water rate: minimum 30 l/ha.

Groundnuts: 2 l/ha at the 4 to 6 leaf stage. Water rate: minimum 50 l/ha.

Fertigation: Use at 0.3 litres per 1000 metres squared. Repeat at 7 to 14 day intervals as necessary.

Onion: 1 to 2 l/ha as soon as there is sufficient foliage to intercept spray. A second application may be made at the same rate 10 to 14 days later. Water rate: minimum 50 l/ha.

Squash (field grown): 2 l/ha from the 4 leaf stage. Repeat at 10 to 14 days intervals if necessary. Water rate: minimum 50 l/ha.

Protected Crops: 0.1 litres per 100 litres water maximum concentration. Water rate: 1000 l/ha maximum. Refer to equivalent field grown crop for application timing.

Bananas: 1 l/ha. Regular applications may be necessary where low or marginal levels of boron exist. Water rate: minimum 30 l/ha

Pineapple: 1 to 2 l/ha pre-flowering. Water rate: minimum 200 l/ha.

Nursery Stock/Ornamentals: 1 l/ha as soon as there is sufficient leaf area to intercept a spray. Repeat at 10 to 14 day intervals as necessary. Do not apply once first buds are open. Spray a maximum of three applications per crop per annum. Water rate: minimum 100 l/ha.

Always read the label before using the product. Utilise soil and leaf analysis to check your crop's nutritional status. For more information on Phosyn and Phosyn products visit www.phosyn.com.

Distributor:

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