Radiate®

FOLIAR TREATMENT

RADIATE®

Radiate is a patented formulation of Indole-3-butyric acid (IBA) & other nutritional ingredients, in optimised rations, designed to drive prolific root growth and plant vigour early in the crop's growth stage. Radiate can be used on labelled crops to accelerate nodal root growth for improved anchorage of young plants, while increasing their ability to access nutrients and moisture.

Features

- Plant growth promotant
- Contains Indole-3-butyric acid (IBA) + proprietary ingredients
- APVMA registered product
- Labelled for foliar and in-furrow applications

Benefits

- Hormonally induces root and shoot growth
- Improves plant establishment and early season vigour
- Increase crop's ability to access essential nutrients and moisture
- Reduces early season stress

Other

Application rates: 150mL - 300mL/ ha. For best results include LI700 in the tank mix.

Timing: Apply at 2 - 6 leaf stage to foliage of broad acre crops including wheat, barley, canola, cotton, chickpeas & corn. Refer to label for specific crops.

Specific Gravity: 1.04

pH: 3.1 - 3.7

Colour & Form: Yellow Liquid

Compatibility: Compatible with most liquid fertilisers and pesticides, however, seek professional advice prior to tank mixing.

Storage: Keep sealed in original container. Store in frost-free, dry conditions out of direct sunlight, above 5°C and below 30°C

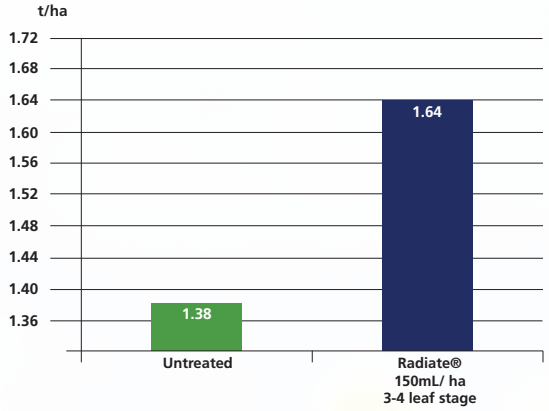
The Role of IBA (Indole-3-Butyric Acid)

IBA stimulates plants to synthesise auxin production in new shoots and leaves. As auxin travels downward in the plant, it induces growth of lateral roots and fine root hairs. These lateral roots biosynthesise another important plant hormone; cytokinin. Cytokinin moves upward from the plant roots to initiate lateral bud growth and leaf development.

Tech Notes

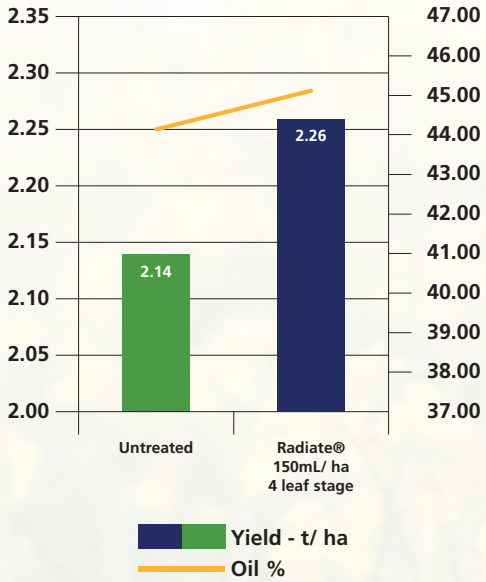
The Effect of Radiate on Canola
Radiate applied at 150mL/ha - Wagga Wagga, NSW

- In a commercial demonstration, Radiate was applied to Canola at 150mL/ha at 3-4 leaf stage
- The Radiate treated area averaged 1.64t/ha and the untreated area averaged 1.38t/ha, equating to an extra 260kg/ha in the Radiate treated area
- With Canola at $550/t, this equates to $143/ha increase from a $12/ha outlay



The Effect of Radiate on Canola
Radiate applied at 150mL/ha - Northampton, WA

- In a commercial demonstration, Radiate was applied to Canola at 150mL/ha at 4 leaf stage
- A visual difference was noted in the Radiate treated section at the 6 leaf stage, with bigger roots, plant were 2 leaves more advanced than untreated
- The Radiate treated area averaged 2.26t/ha & 45.1% Oil. The untreated area averaged 2.14t/ha & 44.4% Oil equating to an extra 120kg/ha & 0.5% higher Oil in the Radiate treated are
- With Canola at $550/t, this equates to $66/ha increase from a $12/ha outlay



The Effect of Radiate on Barley
Radiate applied at 150mL/ha - Wagga Wagga, NSW

- In a commercial demonstration, Radiate was applied to Barley at 150mL/ha at 4-5 leaf stage
- The Radiate treated area averaged 4.25t/ha and the untreated area averaged 3.86t/ha, equating to an extra 390kg/ha in the Radiate treated area
- With Barley at $275/t, this equates to $107/ha increase from a $12/ha outlay