

**RADIATE®**

Radiate® is a patented formulation of indole-3-butyric acid (IBA) & other nutritional ingredients, in optimised ratios, 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
- Increases 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.
**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

![Graph showing effect of Radiate® on Canola](image)

**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, plants 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 area
- With Canola at $550/t, this equates to $66/ha increase from a $12/ha outlay

![Graph showing effect of Radiate® on Canola](image)

**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

![Graph showing effect of Radiate® on Barley](image)