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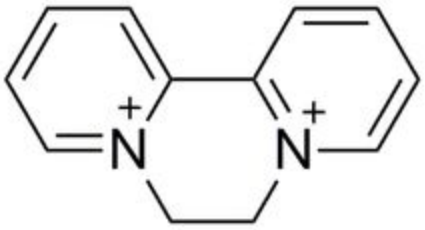
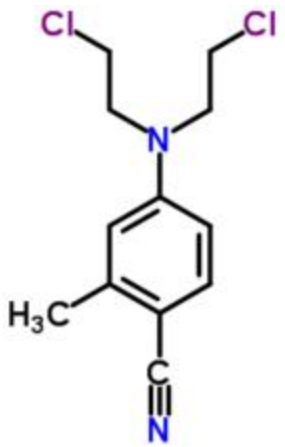
Effects of pre-harvest chemical application on rice desiccation and seed quality

Key words: Rice, Chemical desiccant, Seed desiccation, Seed germination

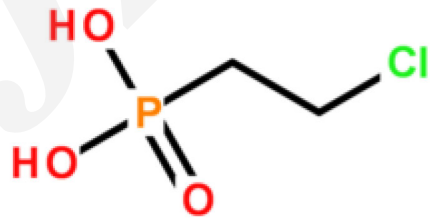
Research Summary

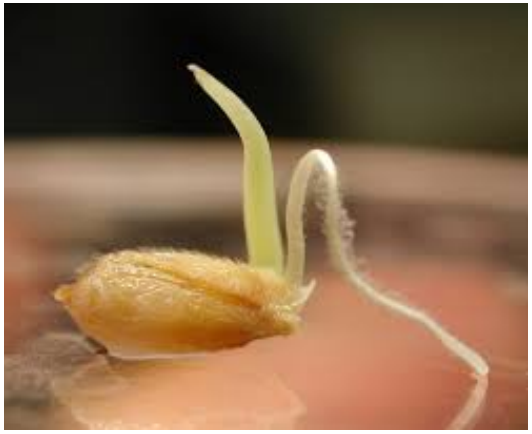
This study mainly focused on the effects of pre-harvest diquat, paraquat and ethephon applications on rice desiccation and seed quality :





- **Moisture content**
- **Grain weight**
- **Seed germination**
- **Seedling growth**





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Innovation points

- **Reductions** in moisture content were significant two and four days after chemical application.

- **Chemical** applications have no adverse effects on seed germination but negative on seedling growth.

- **Diquat** (120g/ha) may have potential as a pre-harvest chemical desiccation treatment for rice.

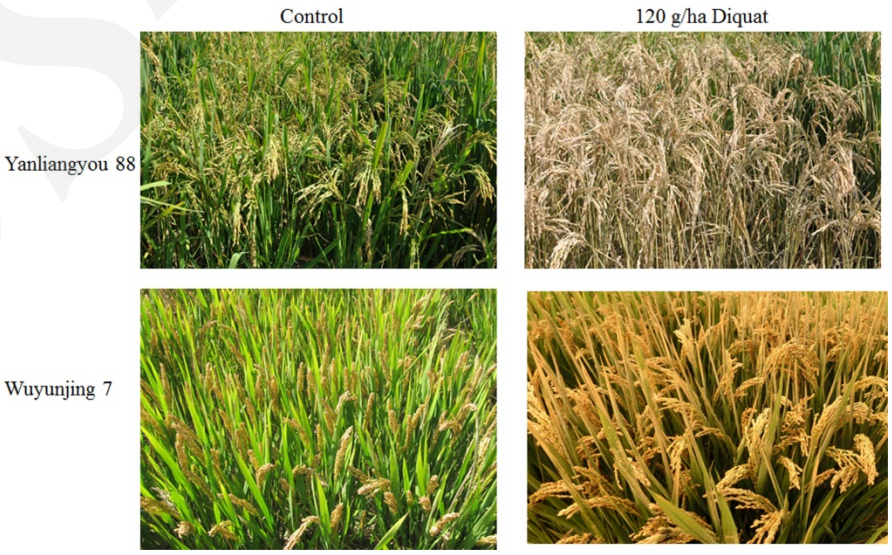

Figure 8

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