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**FINAL REPORT TO COTTON RESEARCH AND DEVELOPMENT  
CORPORATION**

**PURCHASE OF A HIGH CLEARANCE SELF PROPELLED GROUND  
SPRAYER.**

**Project Number:** CSP12L

**Organisation:** CSIRO, Division of Plant Industry  
**Address:** Cotton Research Unit  
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**Aims:**

Purchase a high clearance self propelled ground sprayer for use in field trials.

**Summary of results:**

A 30hp Kubota tractor fitted with an air conditioned safety cab was purchased from the government contract supplier in Sydney. The tractor was trucked to Kingaroy Engineering Works for modifications, including:

- raising the tractor to have 1.5m ground clearance
- conversion to a 2m wheeltrack suitable for row crops
- fitting of tanks, pump, boom and plumbing.

The sprayer was delivered to Narrabri Agricultural Research Station in November, 1989, and has been extensively used through the last 2 cotton seasons in miticide and insecticide trials, chemical labelling of *Heliothis* spp, investigation of rates and timing of plant growth regulators and foliar fertilizers. An article reporting the development of the sprayer was published in the Australian Cottongrower (August - September, 1990).