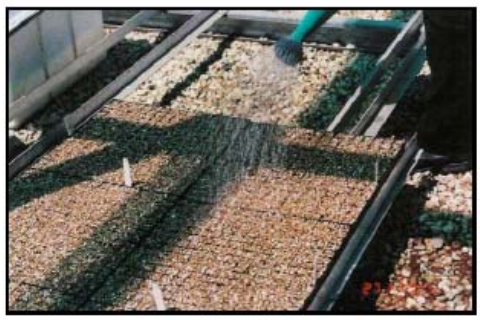
SPRAYGRO LIQUID FERTILIZERS
ABN 47 007 974 496

Discussion

Observations on root development in transplant plugs

Companion-treated had a more developed root system with longer roots and a higher density of finer roots.

Drenching plugs with COMPANION via watering can



COMPANION treated plug on left; untreated on right

Crop vigour

Crop vigour was good to excellent in all plots treated with Companion. Crop vigour was good to poor in untreated control plots, and plots treated with commercial fungicides.

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Discussion (Cont.)

Disease incidence

Sclerotinia developed progressively throughout the trial, with most significant disease symptoms visible at harvest. Disease control in all plots treated with post-plant Companion applications was better than the commercial standard.

Crop yield

The effect of Companion increasing head weight is illustrated in Graph 3, which shows an incremental increase from the untreated control, to Companion + no paddock treatments, to Companion drenching + Companion paddock treatments.

Head size

There was very little variation in mean head size between treatments, with mean head sizes ranging from 59.3 – 62.6cm.

Discussion (Cont.)

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Firmness

Heads in plots treated with a Companion drench + Companion paddock treatments were marginally firmer, while heads in plots treated with Companion + Sumisclex® treatments were marginally softer.

Colour

Colour was generally excellent in all plots.

Plot with high numbers of lettuce remaining uncut due to disease

COMPANION plot after harvest. Very high pick count; very few of inferior quality remaining uncut in paddock

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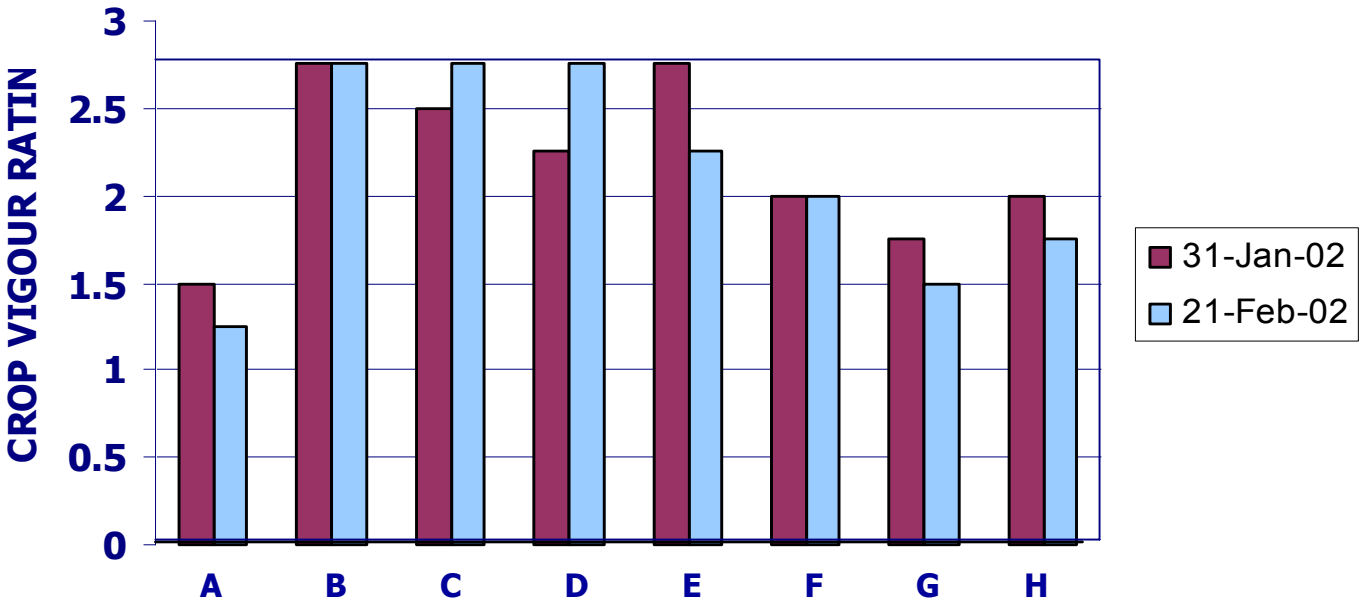
DATA BY: Serve Ag Research, Dr R Walker

Graph 1 – CROP VIGOUR ASSESSMENTS

Iceberg Lettuce – transplanted 3/1/02



A. Untreated Control

B. Companion Drenched seedlings and transplant drench. No paddock treatments.

C. Companion drenched seedlings, + transplant drench, paddock treatment + 3 fortnightly applications COMPANION @ 700mls/h in 270L water band sprayed.

D. Companion drenched seedlings, + sumisclex transplant drench + paddock treatments of Companion @ 700mls/h x 3 + sumisclex @ 270mls/h x 3 fortnightly.

E. Companion drenched seedlings, + sumisclex transplant drench + paddock treatments of Companion @ 700mls/h x 3 +sumisclex @ 270mls/h x 1 application.

F. Companion drenched seedlings, + sumisclex transplant drench + paddock treatments of Companion @ 700mls/h x 3 fortnightly applications.

G. Sumisclex drench at transplant. Paddock treatments x 3 fortnightly applications @ 270mls/h.

H. Sumisclex drench at transplant. Paddock treatment x 3 rovral @ 270mls/h fortnightly.

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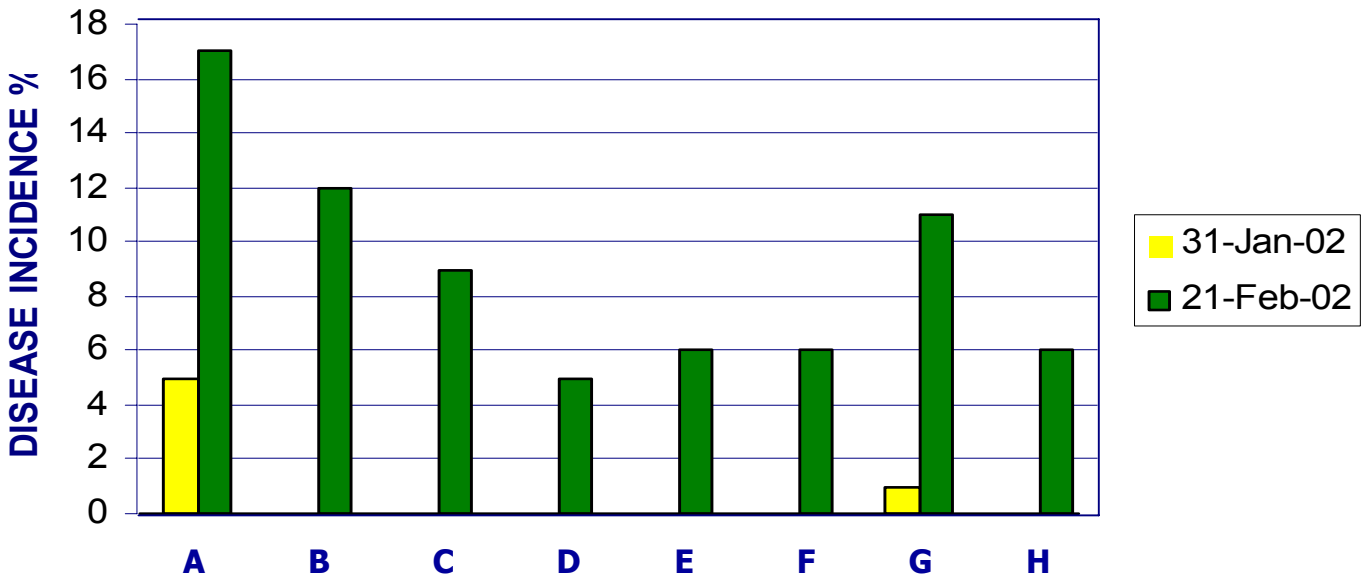
Graph 2 – SCLEROTINA INCIDENCE



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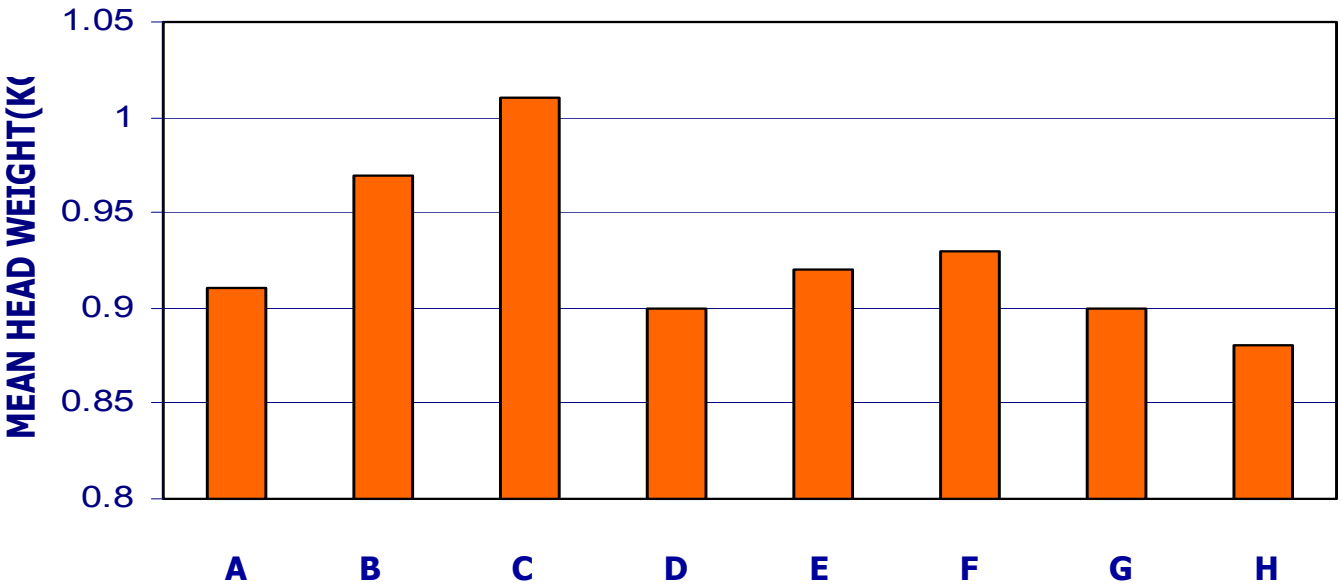
Graph 3 – YEILD ASSESSMENT AT HARVEST 27 Feb 02

HEAD WEIGHTS



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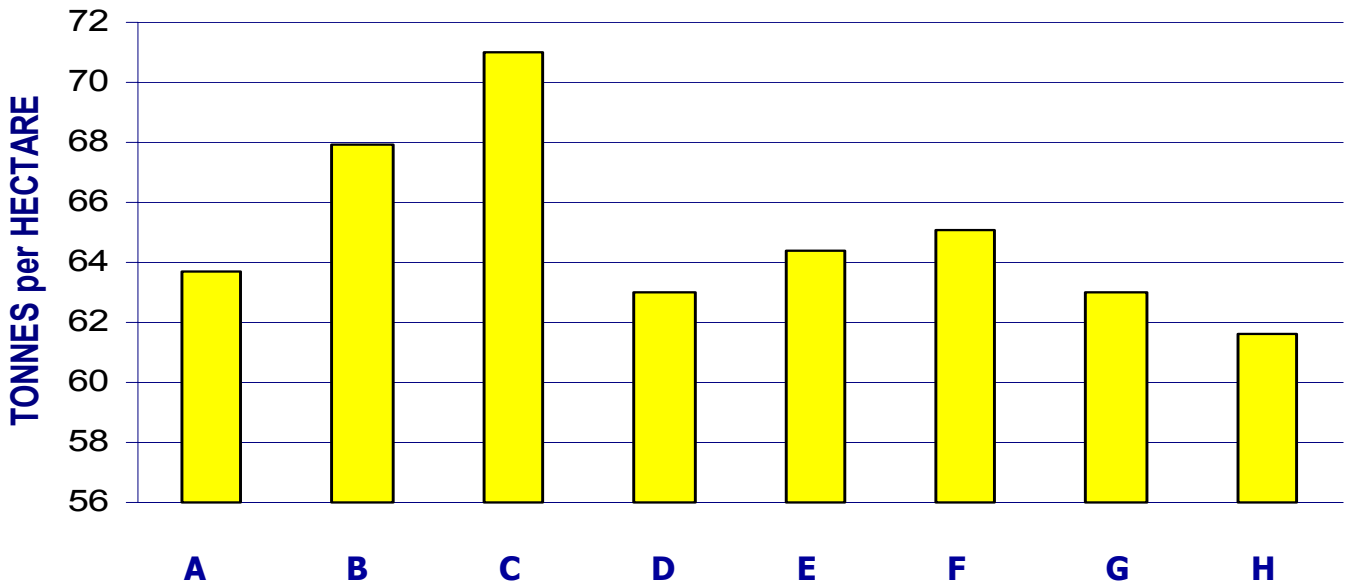
Graph 4 – TOTAL PROJECTED YIELD @ 70,000 PLANTS/H



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