

WhopperCropper

Supporting risk management discussion

DESCRIPTION

Farmers make critical management decisions at the start of each cropping season. Soil conditions and future climate will affect the outcomes of these decisions.

WhopperCropper can assist in evaluating these decision options.

The information is based on a database of multi-year simulations using the crop simulation model APSIM. The pre-run scenarios can be quickly displayed in a number of formats. Effects on production associated with seasonal climate forecasts (SOI phases) can also be analysed.

OPTIONS THAT CAN BE COMPARED

Farmers and advisors can compare the effect of different management options, either individually or in combination.

These options are;

- soil water holding capacity (PAWC)
- soil water at sowing
- sowing date
- crop maturity
- crop density
- nitrogen fertiliser rate
- soil fertility
- climate (SOI phases)

SCENARIO ANALYSES

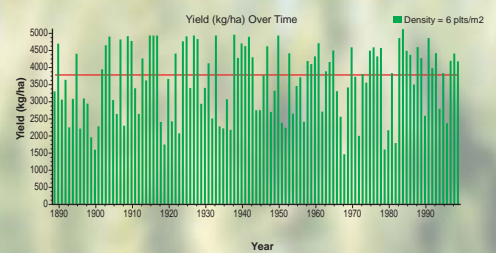
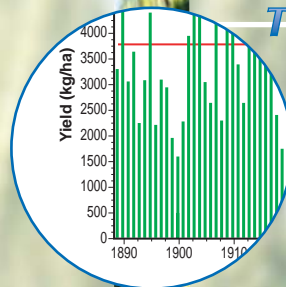
The range of crop yields, gross margins, water use efficiency, temperature and rainfall effects can be simply displayed. This provides an objective basis for discussion of risky crop management options.

BENEFITS

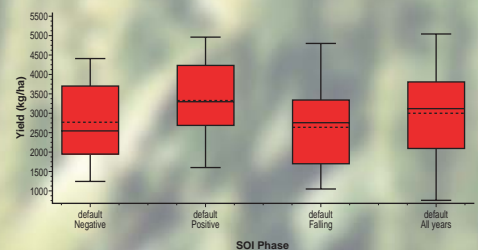
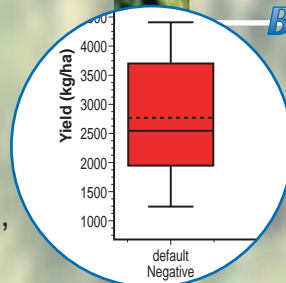
By providing insights into the effects of variable input options, **WhopperCropper** helps farmers to better manage production and economic risks.

EXAMPLE GRAPH TYPES

Time series



Boxplots



Frequency distribution

