

# Yield Prophet®

## On-line crop forecasting



Yield Prophet® is an easy to use, on-line modelling service that is available at any time for you to receive accurate, up-to-the-minute information about your crops. It uses the Agricultural Production Systems Simulator (APSIM) - Australia's leading mathematical model of crop growth, which has been developed over 15 years by the Agricultural Production Systems Research Unit (APSRU, CSIRO). Using your individual paddock information and rainfall, Yield Prophet® simulates your crop's growth and calculates:

- Yield estimate
- Grain protein estimate
- Currently available water and water-stress
- Currently available nitrogen and nitrogen-stress

Yield Prophet® is an invaluable tool for supporting management decisions. You can create unlimited scenarios to report the likely impact of the following factors on your crop:

- Crop type and variety selection
- Sowing date
- Nitrogen application date and rate
- Irrigation date and rate

Yield Prophet® uses the SOI and historical climate data specific to your region. Using current crop condition and the seasonal outlook, it is the most advanced method available for determining whether your crop will require nitrogen, and how much nitrogen is likely to produce the best outcome. Crop types currently available in Yield Prophet® are wheat, barley and sorghum.

### What do the results look like?

The major output of Yield Prophet® is the yield probability curve. This is the probability of your crop achieving a given yield based on input data, up-to-the-minute growth simulation, and climate data for the last 100 years. Yield Prophet® also uses the SOI to generate a seasonal yield forecast for your crop.

### Real-time risk management support

Yield Prophet® uses the yield probability forecast to calculate the likely impact of different nitrogen and/or irrigation application scenarios of your specification on yield and protein outcomes. This gives you the information required to make decisions on inputs for each of your paddocks, and helps you better understand how your crops respond to nitrogen.

### To subscribe to Yield Prophet®

Prices and subscription information are on-line.

[www.yieldprophet.com.au](http://www.yieldprophet.com.au)

If you have any questions, please contact:

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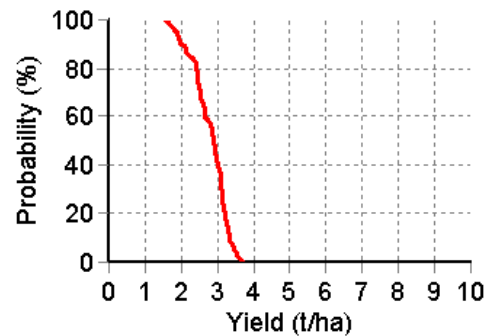
The Yield Prophet® project is supported by the Australian Government through the Information Technology Online (ITOL) Program of DCITA.

You can view a demonstration at [www.yieldprophet.com.au](http://www.yieldprophet.com.au) - type **Visitor** in response to username and password

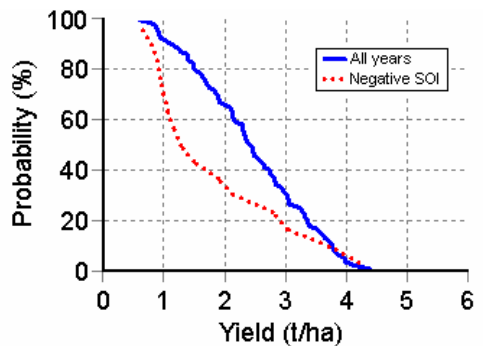
**Important Notice:** Yield Prophet® does not generate recommendations or advice. Yield Prophet® uses the computer simulation model APSIM together with paddock specific soil, crop and climate data to generate information about the likely outcomes of farming decisions. APSIM does not take into account weed competition, pest/disease pressure, pesticide damage, farmer error, or extreme events (such as extreme weather, flood and fire). For more information about APSIM please look at [www.apsim.info](http://www.apsim.info).

**Disclaimer:** Yield Prophet® information is used entirely at your own risk. You accept all risks and responsibility for losses, damages, costs and other consequences of using Yield Prophet information and reports. To the maximum extent permitted by law, APSRU and BCG excludes all responsibility and liability to any person arising directly or indirectly from using the information generated by Yield Prophet.

### Yield Probability Forecasting

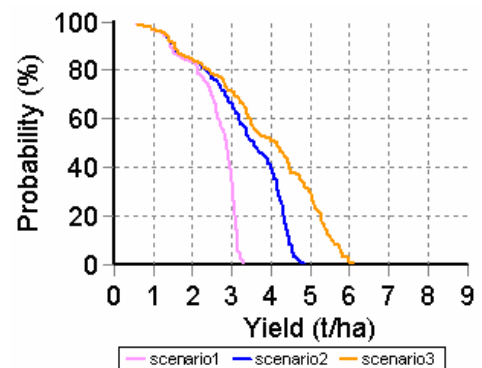


### Risk Management Support



The SOI for July was -6.4; it was -13.9 in June.

### Nitrogen & Irrigation Decision Support



### Resource Monitoring

