

## Understanding fertiliser requirements

Soils in Western Australia are some of the oldest and most highly weathered in the world. So it is no surprise that fertilisers are a big driver of plant productivity and farm profits. For most farms in Western Australia, fertilisers generally make up a third to a half of input costs.

Various farm surveys have shown that while the most profitable farms tend to use higher rates of fertiliser, there are also big variations in farm profitability irrespective of the fertiliser rates used. Clearly some farm managers are better able to maximise their efficiency of fertiliser use to get the most bang for their buck.

Improvements in fertiliser use efficiency can be made by better understanding your soil's ability to provide the nutrients required to grow a crop or pasture, and how this varies across your farm and within paddocks. If you used the same fertiliser types and rates across the whole farm there is no doubt you will apply more fertiliser than is needed in some areas while in others you will apply insufficient nutrients.

At CSBP, we appreciate the importance of doing more than just supplying fertilisers to farmers. Helping you get smarter about what fertilisers you apply where is one step towards maximising your farm's profitability and sustainability.

CSBP's services empower farm managers with tools to better understand their fertiliser requirements.



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## Fertiliser Services

2011/2012

## **NUlogic Soil Analysis for Crops and Pastures Kit**

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### **What is it?**

A kit designed to determine the fertiliser requirements for crops and pastures, through analysis of six soil samples. Standard analyses include plant available ammonium, nitrate, phosphorus, potassium and sulphur, organic carbon, pH, electrical conductivity, soil texture, and phosphate buffering index, a national standard measure of phosphate retention.

**RRP: \$275\***

## **Optional Additional Soil Tests**

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### **What is it?**

In addition to the standard NUlogic soil tests, other laboratory tests can be selected including aluminium, boron, chloride, trace elements (copper, zinc, manganese, iron), and exchangeable cations (calcium, magnesium, sodium, potassium).

**RRP: See the order form in the NUlogic kit for price variations.\***

## **Soil Health Tests**

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### **What is it?**

Laboratory tests that measure biological parameters of soil fertility can also be selected.

**RRP: Microbial biomass and Fungal/Bacterial Ratio \$99 per sample.**

**Above plus Mycorrhizal Root Score \$121 per sample.**

**Total Carbon \$11 per sample. Total Nitrogen \$11 per sample.\***

## **Soil Sampling Tool**

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### **What is it?**

A tool for sampling the top 10cm of soil, commonly known as a "pogo".

**RRP: \$80\***

## **NUlogic Plant Analysis for Crops and Pastures Kit**

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### **What is it?**

A kit designed to analyse four samples of plant material for the uptake of macro nutrients and trace elements. Suitable for whole shoots, youngest leaves, heads, grain/seed, main stems, leaves and petioles, and 'grab samples' (eg. hay or straw).

**RRP: \$190\***

## **NUlogic Interpretation Service**

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### **What is it?**

Customers purchasing CSBP fertiliser will also receive interpretation of results and fertiliser recommendations from an accredited NUlogic adviser.

# **NUlogic**

**To purchase any of these NUlogic kits, please contact your local CSBP sales agent.**

*Above prices cover the cost of kit materials, postage and laboratory analysis only.*



## **Water Analysis Kit**

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### **What is it?**

A kit designed to analyse a single sample of water for nutrients, pH and salt levels. Nutrients measured are nitrate-nitrogen, ammonium-nitrogen, phosphorus, potassium, sulphur, chloride, calcium, magnesium, sodium, boron, iron, copper, zinc and manganese.

**RRP: \$60\***

## **Digitised Farm Map**

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### **What is it?**

A geo-referenced digitised map from aerial photography, giving an accurate representation of arable paddock areas, unarable areas, boundaries and other farm facilities (up to 2m accuracy). A laminated map and electronic version suitable for use in farm management software are included.



**RRP: \$800 per map up to 2,500ha with a maximum of 2 "blocks" of land, plus \$80 for every extra 500ha and/or additional "blocks".\***

A Digitised Farm Map is a prerequisite for the following products.

## **Digitised Farm Map Whiteboard**

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### **What is it?**

Your Digitised Farm Map printed on a whiteboard (900x1200mm) plus accessories. This whiteboard will help you with your operations and planning in your office or shed.

**RRP: \$500\***

### **\*RRP: Recommended Retail Price**

1. These prices are exclusive of GST. You will need to add 10% GST.
2. These prices are 'recommended' only and may vary depending on Distributor or Sales Agent.
3. Prices may be altered without notice.