

A photograph of a laboratory setting with numerous trays containing soil samples. The trays are arranged in rows, some in cardboard boxes and others in blue plastic bins. The soil samples vary in color, including reddish-brown, grey, and dark brown. A blue metal chain is visible in the foreground, attached to one of the trays.

CSBP Soil and Plant Analysis Laboratory

Australia's leading analysis service



CSBP

Soil & Plant Analysis Laboratory



Your comprehensive analysis service

CSBP's world-renowned laboratory is at the forefront of soil and plant testing, and is the largest facility of its kind in Australia. We have been conducting soil tests since 1971 and plant tests since 1975.

In addition to conducting tests for farmers, graziers, foresters and horticulturalists, we work with a wide range of public and private organisations throughout Australia. These include CSIRO, SARDI, departments of agriculture and primary industry and various universities.

CSBP continually researches new techniques and adopts the latest technology to analyse your soil and plant samples. We also invest heavily in our people, including leading scientists and technicians, to ensure your results are always accurate and reliable.

The CSBP laboratory is a corporate member of the Australasian Soil and Plant Analysis Council (ASPAC), receives ASPAC certification and participates in ASPAC proficiency programs and the Wangeningen international plant analytical exchange.

Our Services

Soil Analysis

Soil analysis determines the quantities of nutrients in the soil, including nitrate nitrogen, ammonium nitrogen, phosphorus, potassium, sulfur, organic carbon, Phosphorus Buffering Index (PBI), electrical conductivity and pH.

Additional soil analyses:

- Aluminium
- Boron
- Chloride
- Trace elements (copper, zinc, manganese, iron)
- Exchangeable cations (calcium, magnesium, sodium, potassium)
- Phosphorus Retention Index (PRI)
- Olsen phosphorus
- Total phosphorus
- Total nitrogen
- Total carbon
- Electrical Conductivity of a saturated extract (ECe)
- Exchangeable acidity
- Calcium carbonate
- Particle size

Soil Biology:

- Microbial biomass
- Fungal bacterial ratio
- Mycorrhizal fungi



Plant analysis

Plant analysis is a direct way to measure nutrient uptake of plants. It is the best way to determine the availability to plants of trace elements that cannot be accurately assessed by soil analysis. The major nutrients tested include nitrogen, nitrate nitrogen, phosphorus, potassium, sulfur, copper, zinc, manganese, iron, calcium, sodium, chloride, magnesium and boron.

Additional plant analyses:

- Molybdenum
- Cobalt

Water analysis

Analysis of a water samples is designed to measure the levels of nutrients, pH and salt. Nutrients measured include nitrate nitrogen, ammonium nitrogen, phosphorus, sulfur, potassium, chloride, calcium, magnesium, sodium, boron, iron, copper, zinc, manganese and carbonate-bicarbonate.



Contact Details

Samples from outside of Western Australia should indicate that samples are under quarantine. Please deliver to CSBP Soil and Plant Analysis Laboratory Bibra Lake.

Samples and payment should be sent to:

CSBP Soil and Plant Analysis Laboratory

2 Altona Street

Bibra Lake WA 6163

Ph: (08) 9434 4600

Fax: (08) 9434 4611

Email: symia.busby@csbp.com.au

www.csbp.com.au

The CSBP Soil and Plant Analysis Laboratory's methods are certified as proficient by the Australasian Soil and Plant Analysis Council (ASPAC).

