Australian Plant Phenomics Facility

The Plant Accelerator®

plantaccelerator.org.au

The Plant Accelerator®

The Plant Accelerator®, headquarter of the Australian Plant Phenomics Facility, offers state-of-the-art plant phenotyping tools and services to help academic and commercial plant scientists understand and relate the performance of plants to their genetic make-up.

We provide non-destructive phenomic measurement technologies to support research in the areas of:

- Abiotic / biotic stress
- Salt and drought tolerance
- Nutrient use efficiency
- Water use efficiency
- Disease screening
- Root development
- Plant growth characteristics
- Response to chemical treatment

The Plant Accelerator® is strategically located on the Waite Campus of the University of Adelaide to provide customers with access to a world class concentration of expertise in plant and soil science. We offer:

- High-quality controlled plant growth environments including quarantine and GM approved facilities
- High-throughput automated imaging and computing technologies able to phenotype up to 2400 plants at a time
- Digital image processing and data analysis
- Controlled water / nutrient supply at individual plant level

Accelerate your research

Accelerate crop improvement

INTELLECTUAL PROPERTY

generated during the use of our facility remains the property of our customers.

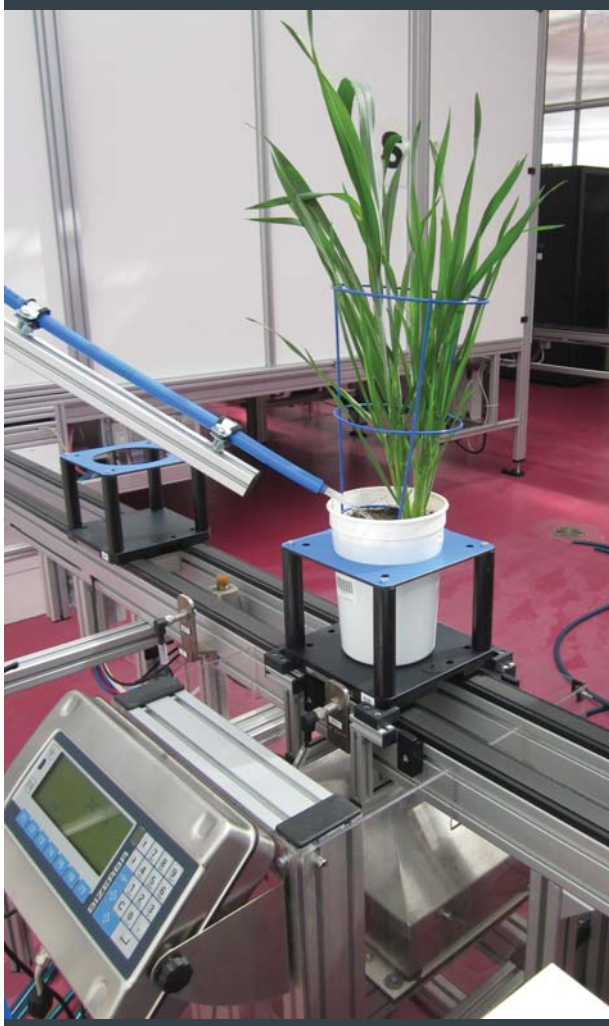
We have in place a dedicated, cross-disciplinary team of experts focussed on providing high quality customer service and support.

The Plant Accelerator® provides:

- High-throughput phenotyping services for a range of plants including, but not limited to, wheat, barley, maize, rice, sorghum, tomato, chickpea, and cotton
- Consultation on project design
- Transparent and fully itemised pricing
- Quarantine and GM approved facilities
- Facility access to participate in projects or "Full Service" agreements where we undertake the project for you
- Public research pricing at marginal cost

Since opening its doors in 2010, The Plant Accelerator® has provided phenotyping services to public and commercial researchers from around the globe. Examples of the projects at our facility include drought tolerance in wheat and tomato, salinity tolerance of transgenic barley and rice, water use efficiency of chickpea, nutrient use efficiency in sorghum, and responses to chemical treatments, just to name a few.

We look forward to discussing the ways in which The Plant Accelerator® can enhance your research and/or accelerate your commercial objective.



An Australian Government Initiative
National Collaborative Research Infrastructure Strategy

Government of South Australia

THE UNIVERSITY of ADELAIDE

Contact us

The Plant Accelerator®
University of Adelaide
Waite Campus, Hartley Grove
Urrbrae SA 5064
AUSTRALIA

T: +61 (0)8 8313 0808
F: +61 (0)8 8313 0828
E: info@plantaccelerator.org.au
W: plantaccelerator.org.au

Our team of experts provides consultation in plant phenomics to Australian and international customers and is dedicated to assisting you in designing your experiment. For information including facility access, pricing, scientific applications and more, please contact us or visit our website at **plantaccelerator.org.au**

plantaccelerator.org.au