

Project cost example - The Plant Accelerator

Price category: Australian publicly funded (not for profit) research

Project outline:

100 wheat plants in standard pots.
 Grown for 2 weeks in greenhouse.
 Transferred into Smarthouse for 6 weeks (imaged every second day).
 Grown to maturity in greenhouse.

Description	Day	Unit	Qty	Unit cost	Total AUD
Potting (1 seed per pot / not to weight), barcode labelling, watering	1	hour	3	44	132.00
Bench hire in standard evap. cooled shared greenhouse (2 benches x 2 weeks)	1-14	bench/week	4	20	80.00
Watering every second day (7 days x 2 benches)	1-14	bench	14	0.75	10.50
Transfer plants from GH to Smarthouse, loading and scanning	15	hour	4	44	176.00
Smarthouse hire for 6 weeks (100 plants x 42 days = 4200)	15-57	pot/day	4200	1.25	5,250.00
Unloading and transfer plants to shared evap. cooled greenhouse	57	hour	4	44	176.00
Bench hire in standard evap. cooled shared greenhouse (4 benches x 9 weeks)	57-120	week	36	20	720.00
Total Amount (excl. GST)					6,544.50
GST Amount					654.45
Total Amount (incl. GST)					7,198.95

Prices are based on the 2010 price list.

Other services (e.g. bagging flowering heads, harvesting, threshing) are charged at an hourly rate of \$44.00 plus GST. Data delivery costs / extended image analysis costs may apply.

Project costing for other price categories (e.g. commercial/for-profit rates or overseas researcher rates) are available on request.

INFORMATION FOR SMARHOUSE USERS (automated imaging system)

Base costs include: watering, energy consumption, pot hire, soil, waste disposal, pest control, horticultural support and standard informatics services on experimental design, imaging, and six months quarantined data storage.

Should the experimental set-up compromise other plants (e.g. chemical treatment of your plants will not allow other plants to be housed in the Smarthouse), additional costs may apply.

Quarantined data storage:

The Plant Accelerator will provide free quarantined data storage for six months, after which data may become public domain. An extension of data quarantining will attract a Confidentiality Fee. The customer can opt to take ownership of data storage (e.g. data will be sent to the customer and deleted from The Plant Accelerator server), or request continued quarantined data storage at The Plant Accelerator at a cost based on the terabytes used p.a. (to be advised).

Standard Informatics Services include:

- Consultation on experimental design, data processing, expected analysis outcomes.
- Routine processing of raw measurement data (RGB, FIR, NIR, Fluorescence images) including algorithm design, colour classification, area measurement, morphological measurement, basic statistics, graphing of curves.
- Collation and presentation to the customer of raw and processed data within 4 weeks following the date of the last acquired measurement.
- Confidential access and archival storage of raw measurement and processed data for six months from the date of the last acquired measurement in accordance with the Quarantined Data Storage Policy (30 days notice of expiry will be given).
- Provision of raw and processed data on appropriate media.
- Placement of data in the public domain (in accordance with the Quarantined Data Storage Policy)
- Extended informatics services are available upon consultation with Plant Accelerator staff.