

Organisation University	Location	Glasshouse Footprint (m2)	PC2 Footprint (m2)	Growth Room (m2)	Total Footprint (m2)
Central Queensland University (CQU)	Rockhampton	200	0	0	200
CSIRO	Brisbane	662	273	0	662
Department of Primary Industries* (DPI)	Across QLD	7074	1021	164	7238
Eurofins	Toowoomba	423	423	0	423
Griffith University	SEQ (Brisbane Gold Coast)	100	15	55	155
James Cook University (JCU)	Northern QLD (Townsville Cairns)	432	0	0	519
Queensland University of Technology (QUT)	Brisbane	237.79	437.69	233.96	471.75
Southern Cross University (SCU)	SEQ Northern NSW	146	36	36	182
University of Queensland (UQ)	Brisbane	2592	1147	630	8033
University of Southern Queensland (USQ)	Toowoomba	850	0	0	850
University of Sunshine Coast (USC)	Sunshine Coast	646	0	0	646
TOTAL		13362.79	3352.69	1118.96	19379.75

Glasshouse Footprint (m2)	This figure is for Glasshouses and includes PC2 Glasshouses
Growth Room Footprint (m2)	This figure is for Growth Rooms and includes PC2 Growth Rooms
PC2 Footprint (m2)	This figure is for PC2 type facilities and Glasshouses and Growth Rooms
Total Footprint (m2)	This figure is for ALL Plant Growth Facilities (Glasshouses, Greenhouses, Shade houses and Growth Rooms)
*Awaiting Confirmation	Current figures provided, awaiting final confirmation
Estimated Growth Area	We estimate that 30% to 60% of space can be lost and of the space, 40%-70% is usable for research. Space is not usable pending things such as shape of facility, type of facility, location of mechanical equipment, shading from trees, adjacent building and/or benches.

Organisation Type		University			
Name		Central Queensland University			
Location		Rockhampton			
Facility Details					
Quantity		Type	Details/Features	m2	Notes
1		Glasshouse	Evaporative cooled, retractable shade – portioned into two compartments, one with quarantine entry lock.	200	Not PC2. Glasshouse is 8m by 25m, divided into a 9m (with quarantine lock) and a 16m section.
PC2 TOTAL				0	
GROWTH ROOM TOTAL				0	
GLASSHOUSE TOTAL				200	
TOTAL				200	

Organisation Type		Australian Government Statutory Authority			
Name		CSIRO			
Location		Brisbane (St Lucia/Dutton Park)			
Facility Details					
Quantity	Type	Location	Details/Features	m2	Notes
13	Glasshouse/s	Dutton Park Level 5 Rooftop	Glasshouse - Plexi - Airconditioned	52	No Cert
			Glasshouse - Plexi - Airconditioned	52	
			Glasshouse - Plexi - Evap-Cooled	51	
			Glasshouse - Plexi - Evap-Cooled	51	
			Glasshouse - Plexi - Evap-Cooled	17	
			Glasshouse - Plexi - Evap-Cooled	17	
			Glasshouse - Plexi - Evap-Cooled	17	
			Glasshouse - Plexi - Airconditioned	19	
			Glasshouse - Plexi - Airconditioned	19	
			Glasshouse - Plexi - Airconditioned	19	
			Glasshouse - double insulated glass - Airconditioned	29	Quarantine Control Facility
			Glasshouse - double insulated glass - Airconditioned	29	Quarantine Control Facility
			1	Glasshouse	St Lucia QBP Building 80 Level 8 South
PC2 TOTAL				273	Glasshouse & Growth Rooms
GROWTH ROOM TOTAL				0	Including PC2
GLASSHOUSE TOTAL				662	Including PC2
TOTAL				662	

Organisation Type	Queensland Department			
Name	Department of Primary Industries			
Location	QLD - Various			
Facility Details				
Precinct	Type	Details/Features	m2	Notes
Applethorpe Research Facility	Glasshouse	3 glasshouses with solar, in-floor heating, and split system air conditioning (3 glasshouse sizes = 37m2, 51m2 and 42m2)	130	Research: Apple physiology, Strawberry agronomy, Stone fruit breeding, Table grapes, Flower physiology. These glasshouses are in poor condition with the exception of the solar glasshouse (42m2).

Ayr Research Facility	Glasshouse:	120m2 with temperature and humidity controls. There are various sized pots and tubs stored in the adjacent headhouse to suit trial layout and project requirements.	120	
	Shade house	160m2 of green shade cloth. There are various sized benches, pots and tubs stored in the adjacent headhouse to suit trial layout and project requirements.	160	
	Growth Cold room	32m2 floor space with shelving, temperature and humidity controls.	32	
Bowen Research Facility	Shade house	Two screen houses with a combined floor area of 160m2 of green shade cloth and corrugated Perspex roofing.	160	
Bundaberg Research Facility	Polyhouse	Two large poly houses and 1 large shade house with a total coverage of 1101m2	1101	
Ecosciences Precinct	17 Glasshouses	Glasshouse - double insulated glass - Evap-cooled	29	Biosecurity Containment Level 3 (BC3) Facility
		Glasshouse - double insulated glass - Evap-cooled	29	Biosecurity Containment Level 3 (BC3) Facility
		Glasshouse - double insulated glass - Evap-cooled	29	Biosecurity Containment Level 3 (BC3) Facility
		Glasshouse - double insulated glass - Evap-cooled	29	Biosecurity Containment Level 3 (BC3) Facility
		Glasshouse - toughened glass - Evap-Cooled	40	Biosecurity Containment Level 2 (BC2) Facility
		Glasshouse - toughened glass - Evap-Cooled	40	Biosecurity Containment Level 2 (BC2) Facility
		Glasshouse - toughened glass - Evap-Cooled	110	
		Glasshouse - toughened glass - Evap-Cooled	42	
		Glasshouse - toughened glass - Evap-Cooled	42	
		Glasshouse - toughened glass - Airconditioned	43	
		Glasshouse - toughened glass - Airconditioned	42	
		Glasshouse - toughened glass - Airconditioned	42	
		Glasshouse - toughened glass - Airconditioned	42	
		Glasshouse - toughened glass - Evap-Cooled	40	PC2 Capable
		Glasshouse - toughened glass - Evap-Cooled	40	PC2 Capable
	6 Growth Rooms	4 general plant growth rooms (9m2 each)	18	
		2 QC3 plant growth rooms (15m2 and 9m2)	24	
Gatton Research Centre	Glasshouse	1 glasshouse, evaporative cooled	100	
Hermitage Research Station (Warwick)	Glasshouse/s	5 glasshouses – computer controlled temperature and humidity, with individual coverage (135m2, 104m2, 135m2, 102m2 and 70m2)	546	
	Growth Rooms	2 plant growth rooms – computer controlled environment (9m2 each)	18	
J.Bjelke-Petersen Research Facility	Glasshouses	Glasshouses – Two glasshouses with a floor space of 360m2 with temperature, humidity and day length controls. There are various sized pots and tubs to suit trial layout and project requirements.	360	
Leslie (Toowoomba) Research Facility	Glasshouses	9 glasshouses of varying sizes	1000	
Mareeba Research Facility	Glasshouses	2.5 x Glasshouses (108 + 162 + 81 including a 0.5 x PC2	351	
	Shade house	2 x Shade houses	60	
	Growth Room	2 x Plant Growth Rooms	18	
Maroochy Research Facility	Glasshouses	4 glasshouses, mixture of temp control and evap-cooled	216	
	Growth Room	6 Plant growth rooms	54	
Redlands Research Facility	Glasshouses	600m2 of chilled water glasshouse (400m2 PC2)	200	
		750m2 of evaporative cooled glasshouse (350m2 PC2)	400	
			450	
South Johnstone Research Facility	Glasshouse	Glasshouses, 4 (3 x 110/each 1 x 100) with head houses 1	110	
			320	
	Growth Room	Growth Rooms with heat beds, humidity chambers and bush houses	TBC	
Walkamin Research Facility	Shade house	Shade house – Walkamin has one shade house with a floor space of 220m2 to provide controlled watering regimes and minimising direct sunlight and temperature	220	

PC2 TOTAL	1021	Glasshouse & Growth Rooms
GROWTH ROOM TOTAL	164	
GLASSHOUSE TOTAL	7074	
TOTAL	7238	

Organisation Type	Private Bussiness			
Name	Eurofins Australia			
Location	Toowoomba			
Notes	Limited availability, commercial glasshouse, PC2			
Facility Details				
Quantity	Type	Details/Features	m2	Notes
2	Glasshouses	PC2 Temp control GH	135	Post Entry Plant Quarantine facility
		PC2 3 bays temp control GH with rolling benches	288	
PC2 TOTAL			423	Glasshouse & Growth Rooms
GROWTH ROOM TOTAL			0	
GLASSHOUSE TOTAL			423	
TOTAL			423	

Organisation Type	University			
Name	Griffith University			
Location	Nathan Campus			
Facility Details				
Quantity	Type	Details/Features	m2	Notes
4	Glasshouse	2 x Evaporative cooled and 2 x Temp control (25m2 each)	100	
2	Growth Rooms	2 x temp control rooms (20m2 each)	40	
1	Growth rooms	PC2/GMO Microbe/Plant controlled environment room	15	Refurbed room
PC2 TOTAL			15	Glasshouse & Growth Rooms
GROWTH ROOM TOTAL			55	
GLASSHOUSE TOTAL			100	
TOTAL			155	

Organisation Type	University			
Name	James Cook University (JCU)			
Location	Northern Queensland (Townsville/Cairns)			
Facility Details				
Quantity	Type	Details/Features	m2	Notes
2	Glasshouses	CO2/Temperature controlled glasshouse (three research chambers (each with a floor area 2.8 x 5m = 14m2 each), automated venting, retractable sun screen in each chamber	42	
		2 bays (50m2 each) Hot house glasshouse in Townsville	100	
3	Greenhouses	2 Standard Greenhouse on Carns (50m2 + 90m2)	140	
		Standard Greenhouse 150m2 on Townsville Campus	150	
1	OZ Facility	Facility for investigating the impact of tropospheric ozone on tropical vegetation Consists of 9 open top chambers (3.5m diameter = 9.625m2 each) with independent rates of O3fumigation	87	JCU and Exeter UK collaboration -Based in Cairns Campus https://tropoz.org/
PC2 TOTAL			0	Glasshouse & Growth Rooms
GROWTH ROOM TOTAL			0	
GLASSHOUSE TOTAL			432	
TOTAL			519	

Organisation Type	University						
Name	Queensland University of Technology (QUT)						
Location	Gardens Point						
Facility Details							
Facility	Type	Details/Features	Regulation	m2 breakdown	m2	Notes	Room.#
Glasshouse	Propagation facility	air cooler w control panel in ante room	GM PC2 Cert # 3766	4.46 + 41.11	45.57	They are all 'glass' houses	GP140 910A, P910
	Propagation facility w power and a/c	15 x plug in environment chambers	GM PC2 Cert # 2743	5.31 + 94.73	100.04	(more often made of	GP118 Q100a, 101
	Propagation walk in growth room	Conviron controlled and BMS controlled	GM PC2 Cert # 2743	9.64+9.64+13.85+8.17+16.82	58.12	Perspex). Propagation facilities are where	GP118 Q101a and b, 102, 103, 104
	Propagation facility w power and a/c	6 x plug in environment chambers	non regulated PC1	31.53	31.53	we have whole	GP118 Q105
	Propagation facility, QUT asset # 1953030772	GLASSHOUSE MINI EDENLITE (GH64S)	non regulated	2.53	2.53	plants grown in	GP-H188 (outside)
Controlled Growth Rooms	Plant Tissue Culture facility w power and a/c	7 x plug in environment chambers	GM PC2 Cert # 4625	60	60	Plant Tissue	GP118 Q602
	Plant Tissue Culture walk in growth room	control panel (controlled) w LED lights	GM PC2 Cert # 4625	7.25	7.25	Culture facilities	GP118 Q603
	Plant Tissue Culture facility w power and a/c	8 x plug in environment chambers	GM PC2 Cert # 4812	44.22 + 6.08	50.3	are 'clean rooms of	GP118 Q604, 605
	Plant Tissue Culture facility w power and a/c	5 x plug in environment chambers	GM PC2 Cert # 4627 and RC2 Q1834	30.98	30.98	Level 6' where	GP118 Q607

	Plant Tissue Culture facility w power and a/c	7 x plug in environment chambers	GM PC2 Cert # 4626 and BC2 Q1835	30.94	30.94	plants are grown in	GP118 Q608
	Plant Tissue Culture walk in growth room	shelving w LED lights	GM PC2 Cert # 4628	29.58	29.58	fortified agar	GP118 Q609
	Plant Tissue Culture walk in growth room	shelving w lights	GM PC2 Cert # 4630	5.58 + 5.15	10.73	media in clear plastic	GP118 Q614a and b
	Plant Tissue Culture walk in	shelving w lights	GM PC2 Cert # 4629	14.18	14.18	containers	GP118
PC2 TOTAL					437.69	Glasshouse & Growth	
GROWTH ROOM TOTAL					233.96	Including PC2	
GLASSHOUSE TOTAL					237.79	including PC2	
TOTAL					471.75		

Organisation Type	University			
Name	Southern Cross University (SCU)			
Location	Southeast Queensland Northern NSW			
Facility Details				
Quantity	Type	Details/Features	m2	Notes
3	Glasshouse	2 bays 6 x 4m (24m2 each) stand-alone, evaporatively cooled + added lights	48	All close to the ending of life – looking to get new greenhouses
		2 bays onto of existing building 6 x 4 bays evaporatively cooled (potentially decommissioned)	48	All close to the ending of life – looking to get new greenhouses
		on top of the building evaporatively cooled	50	All close to the ending of life – looking to get new greenhouses
1	Growth Room	PC2/Q2 - Quarantine facility – Grow room – Biora anteroom Small standalone unit for quarantine work PC2 with grow cabinets 2 x bays (double) 14.2m2 each + 7.5m2 airlock	36	
PC2 TOTAL			36	Glasshouse & Growth Rooms
GROWTH ROOM TOTAL			36	
GLASSHOUSE TOTAL			146	
TOTAL			182	including PC2

Organisation Type	University					
Name	University of Queensland (UQ)					
Location	Southeast Queensland (St Lucia Long Pocket Gatton)					
Facility Details						
Quantity	Type	Details/Features	Location	m2	Notes	
12	Glasshouse	Evap-cooled glasshouse, retractable shade can add additional lighting	Gatton	360		
			Gatton	155		
			Long Pocket	180		
			St Lucia	224		Glasshouse 9
				201		Glasshouse 10 (201) and 11
			223	(223) reinstated in Q4 2023 -		
		Temp controlled glasshouse, retractable shade	Gatton	40		
		PC2 Temperature Controlled Glasshouse, can add lights	St Lucia	183		
		Temp controlled Glasshouse, additional lighting	Gatton	320		
		Environment controlled glasshouse, additional lighting, himidity control, CO2, fertigation and blinds	Gatton	276		
23	Growth Room	Tropical Temp controlled glasshouse	St Lucia	250		
		Temperate Temp controlled glasshouse	St Lucia	180		
2		13 x Elite small growth rooms (11.2m2) (5 x high temperature, 3 x variable light spectra, 2 x insects, 2 x pathogens, 1 x vertical farming) 7 x Standard small growth rooms (11.2m2) 2 x tropical, 2 x temperate, 2 x pathogen 1 x vernalisation 2 x Standard Medium Growth Room (75m2) 1 x Standard Large Growth Room (160m2)	St Lucia	534		
		Biora Growth Rooms - 15°C - 38°C, AC, Humidity control, LED lighting (1800 µmol) Biora 1 (single chamber) - 37m2, Biora 2 (double) 14.2m2 each + 7.5m2 airlock	Gatton	96		
5	Greenhouse Shadehouse	RPAD Lysimeter Platform solarweave greenhouse (root chambers)	Gatton	144	120m2 shed facility and control room and 144m2 grow space	
		LPAD Lysimeter Platform solarweave greenhouse	Gatton	144	144m2 grow area and 84m2 shed + control room	
		APAD Lysimeter Platform solarweave greenhouse	Gatton	216	216m2 grow area and small donga next to it.	
		Roll up sides on 2 sides, overhead thermal blinds, large ventilation fan, solarweave covering	Gatton	375		

		4 bay Retractable Roof Greenhouse (51.2 × 76.8 m2) for drought/heat research under field conditions	Gatton	3932	
PC2 TOTAL				1147	Glasshouse & Growth Rooms
GROWTH ROOM TOTAL				630	Including PC2
GLASSHOUSE TOTAL				2592	Including PC2
TOTAL				8033	

Organisation Type	University			
Name	University of Southern Queensland (USQ)			
Location	Toowoomba			
Facility Details				
Quantity	Type	Details/Features	m2	Notes
4	Glasshouse	5 years old Mixture of the reverse cycle and evaporatively cooled	850	
PC2 TOTAL			0	Glasshouse & Growth Rooms
GROWTH ROOM TOTAL			0	
GLASSHOUSE TOTAL			850	
TOTAL			850	including PC2

Organisation Type	University				
Name	University of Sunshine Coast (USC)				
Location	Sunshine Coast				
Facility Details					
Quantity	Type	Details/Features	m2	Notes	
1	Glasshouse	Evap-Cooled	196	Estimated size. In area slated for redevelopment, planned for decommissioning	
7	Shadehouse	solar weave	450	Estimated size. In area slated for redevelopment, planned for decommissioning	
PC2 TOTAL			0	Glasshouse & Growth Rooms	
GROWTH ROOM TOTAL			0		
GLASSHOUSE TOTAL			646		
TOTAL			646	including PC2	