



Department of Agriculture

Bacha Khan University Charsadda

Details of Research Labs

S. No	Equipment Name	Whether the lab meets the requirement of BS/MS/MPhil/ PhD students' international
Plant Breeding & Genetics Lab		
1	Plant growth chamber	Yes
2	Real time PCR	
3	Thermo cycler	
4	Flame photometer	
5	Small microscope	
6	Incubator	
7	Microtome	
8	Electric scale	
9	Water bath	
10	Multi head microscope with screen	
11	Ice making machine	
12	Laminar flow cabinet	
13	Digital PH meter	
14	Leaf area meter (PSCIR)	
15	Digital grain moisture meter	
16	Variable speed vortex mixer	
17	Distillation apparatus	
18	Magnetic stirrer with hot plate	
19	Autoclave	
20	Centrifuge (Large, medium, small)	
21	Portable chlorophyll meter	
22	Soil PH & moisture tester	
23	Refrigerator & deep freezer	
24	Lyophilizer machine	
25	Portable PH/mv/c meter	
26	Refractometer	
27	Digital gram scale	
28	Kg scale	
29	Digital drying oven	
30	digital drying oven 60 ltr	
31	Projector	
32	Heating mantle	
33	Weighting scale	
34	Gel electrophoresis (horizontal)	
35	Multi-channel pipette	
36	Micro pipette	
37	One Computer	

38	Grinder Machine	
Entomology Lab		
39	Ethanol 99.8% Analytical grade, Merck	Yes
40	Bleach(sodium hypochlorite), Korea	
41	Sucrose Analytical grade, Sigma	
42	Sugar cubes Analytical grade Taiwan	
43	Ethyl alcohol Laboratory grade BDH	
44	Beakers graduated 250 ml Pyrex	
45	Heavy duty grinder/Blinder, China	
46	Larval flats L, W, H35.6x27.9 x 8.3cm S.S	
47	Aquarium 30x20cm with filter 7mm glass china	
48	Powered Aspirator Mosquito Collecting China	
49	Pupae Collection Pipettes 5ml Glass Germany	
50	Water bath (Ultrasonic Bath) 1.2-Lit China	
51	Hygro thermometer (Temperature & Humidity) China	
52	Digital Thermometer(Water Temperature Meter) China	
53	Iron stand for keeping tray 4 China	
54	Filter paper sheet 18"x15" Germany	
55	Specimen Insect pins 1,2,3,4 USA	
56	Polystyrene disposable cup height 7.5cm China	
57	Mosquito holding paper box with lids China	
58	Mosquito cages Rearing of mosquito China	
59	Hand net for Mosquito collation China	
60	Hand lens for specimen identification China	
61	Wooden insect collection box China	
62	Petri dish glass 90mm Anubra	
Agronomy Lab		
63	Auto clave large	Yes
64	Auto clave small	
65	Centrifuge	
66	Digital drying oven	
67	Double beam spectrophotometer	
68	Distillation plant	
69	Heating mental	
70	Laminar flow cabinet	
71	Portable Leaf area meter	
72	Lambda bio Spectrophotometer	
73	LCD for Multi head micro scope	
74	Digital beam Micro scope (large)	
75	Multi head micro scope	
76	Micro pipettes	
77	Osmo meter	
78	Spectrophotometer	
79	Rotary vane vacuum pump	