

Inspection Checklist: Biosafety Level 2 (Nursery/Greenhouse)

Department of Biosafety, Ministry of Natural Resources and Environment

Applicant/GBK Ref No.:	Inspector:
Premise:	Date:
Principal Investigator:	Time:

Check (✓) in the appropriate box that best describes the plant facilities in which work will be performed.

A. Plant Facilities	Yes	No	NA	Details/Comment
1. Is a universal biohazard symbol for BSL 2 posted at the entrance of the plant facility? Does the signage include name, and phone number of the laboratory supervisor or other responsible personnel?				
2. Is a signage posted indicating that a contained experiment is in progress? Does the signage indicate the following: (i) the name of the responsible individual, (ii) the species in use (and common name), and (iii) any special requirements for using the area?				
3. Is a dedicated hand basin with/without hands-free operation type provided within plant facilities?				
4. Are all surfaces easily cleanable in accordance with the requirements for research and maintenance of healthy plants?				
5. Are the walls and roof constructed of impact and weather resistant materials are maintained in good condition?				
6. Is the plant facility floor composed of impervious material?				
7. If the plant facility has windows and other openings in the walls and roof that open for ventilation, are they fitted with fine screens?				
8. If intake fans are used, are measures taken to minimize the ingress of arthropods (Louvers shall be constructed)?				
9. Is there a good housekeeping in the plant facility?				
10. If the plant facility is isolated unit, is there any anteroom for entry and exit?				
11. Sticky mats/footbath				
B. Safety Equipment	Yes	No	NA	Details/Comment
12. Is a liquid and solid waste treatment system in place to prevent escape of viable plant material and microorganism into the environment?				

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13. Is an autoclave available for the treatment of contaminated plant materials?				
C. Personal Protective Equipment (PPE)	Yes	No	NA	Details/Comment
14. Are suitable PPE available relevant to the hazard on the plant facility and used by plant facility personnel?				
15. Are covered shoes/foot cover used in the plant facility?				
16. Is reusable clothing appropriately contained and decontaminated before being laundered?				
17. Are disposable PPE and other contaminated waste appropriately contained and decontaminated prior to disposal?				
D. Work Practices	Yes	No	NA	Details/Comment
18. Are materials containing experimental microorganisms, which are brought into or removed from the greenhouse facility in a viable or nonviable state, are transferred in a closed non-breakable container?				
19. Is access to the plant facility limited to authorised personnel?				
20. Is SOPs for emergency response in place and are staffs trained on these procedures?				
21. Is there a pest control program in place?				
22. Is there any Biosafety Manual in the plant facility?				
23. Are animals and plants not associated with the work found in the plant facility?				
24. Are all waste plants, tissues, soil, soil substitutes and the containers decontaminated before disposal?				
25. Is biological containment (e.g. bagging the soils) practiced?				
26. Are non-GM plants (e.g. ornamental plants) grown outside or close to the facility?				
27. Are the researchers doing non-GM works in the GM facility?				
E. Records and Documents For :				
28. Procurement and transfers of Plant material/LMO				
29. Plant material /LMO inventory				
30. SOPs for plant facility activity				

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31. Staff training and competency				
32. Equipment maintenance				
33. Decontamination and validation				
34. Incident/accident/plant facility exposure				
35. Logbook user of plant facility/equipment				
36. Display of the acknowledgement of approval (plus terms and conditions imposed by the Board) on the premises wall received from NRE?				
Additional comments/observations and recommendation:				

Inspector's Signature:

Date: