



DEPARTMENT OF SCIENCE AND TECHNOLOGY
BIOSAFETY COMMITTEE

Inspection Report Form
Indicative Conditions of the Proposed Screenhouse/Greenhouse/Glasshouse

DOST-BC Reference number		
<i>This area to be filled-out by IBC</i>		
Project Title		
Name of Institution		
Date of activity (dd/mm/yyyy)		
OBSERVATIONS		
IBC Member/s present (___)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
BPI-PEQS Present (___)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
DOST-BC Present (___)	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Screenhouse/Greenhouse/Glasshouse Component	Inspector's Remarks (if No, state reason)	
A. Design and Facility		
1. Greenhouse/screenhouse/glasshouse located in areas that minimize risk to the local environment, agriculture, and humans.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2. Greenhouse/screenhouse/glasshouse, growth rooms and growth cabinets are of robust design and construction, to facilitate easy cleaning and withstand normal climatic conditions.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2a. Foundation of concrete, concrete block, brick, or similar material	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2b. Rigid, reinforced greenhouse framing (aluminum and/or steel typical).	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2c. Resistant to disinfecting chemicals.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2d. Rigid thermoplastic, sealed and break-resistant glazing material.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2e. Concrete floor, porous material under benches.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2f. Floors are impervious to chemicals/disinfectants.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2g. Internal walls, ceilings, and floors are resistant to liquids and chemicals.	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Screenhouse/Greenhouse/Glasshouse Component		Inspector's Remarks (if No, state reason)
3. Locks on entry doors are in place (can be double set of self-closing, locking doors; or entry is via key or electronic system to restrict/control access).	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4. Floor drains with filters (to minimize seed dispersal or to prevent invertebrate/vertebrate ingress) in place and used filters inactivated by validated means prior to disposal.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Floor drains fitted with a disinfection trap that will render any discharged material non-viable.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6. Doors, air inlets and outlets covered with mesh (30 or higher) to prevent escape of GM material (seeds) and entry of pests, rodents, birds, insects, etc.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7. Water source and sink available in an adjacent preparation area.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
8. Efficient control of contaminated run-off water in place.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9. Cabinets for safe storage of regulated material provided.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10. Effective control of vectors such as insects, rodents, arthropods and birds which could disseminate the material in place.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
11. Footbaths in place.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
12. Differential pressure applied between the glasshouse, growth room/cabinet and adjacent areas (such that there is an inward airflow) in place.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
13. Filtration of exhaust are employed and used. Filter inactivated by validated means prior to disposal.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
14. Security measures (fencing, self-locking doors, sensors, security cameras, safety personnel, etc.) to limit access of unauthorized persons in place.	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Screenhouse/Greenhouse/Glasshouse Component	Inspector's Remarks (if No, state reason)	
B. Equipment		
1. Autoclave available on site for the treatment of greenhouse/growth room waste material.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2. Other equipment (please specify)	<input type="checkbox"/> Yes <input type="checkbox"/> No	
C. Practices and Procedures		
1. Access to the greenhouse/screenhouse/glasshouse/growth room/cabinet restricted to authorized personnel.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2. Biohazard signs on access doors in place.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3. Entry logbook provided.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4. GM plants, within the greenhouse/screenhouse/glasshouse/growth room/cabinet, properly labelled (indicating the nature of the genetic modification, and the identity of the researcher responsible for the activity).	<input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Greenhouse/screenhouse/glasshouse/growth room doors kept closed at all times and locked when unattended.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
6. Soil and growth media sterilized on site by validated means before disposal to kill any residual organisms.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
7. All pots, trays and glasshouse mix (compost) are sterilized prior to cleaning or disposal.		
8. Run-off water decontaminated.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
9. Equipment decontaminated.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
10. Instruction on the procedures to be observed in the glasshouse/growth rooms/cabinets in order to minimize release of the genetically modified material and the development of disease provided to Personnel.	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Screenhouse/Greenhouse/Glasshouse Component		Inspector's Remarks (if No, state reason)
11. Record kept of all experimental plants and micro-organisms present in the greenhouse/growth room/cabinet including the nature of the modification, the responsible scientist, commencement/termination dates and how disposal of any residual material was achieved, is kept.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
12. Labelled closed durable non-breakable containers used for transfer of material containing genetically modified organisms from the laboratory to the greenhouse/screenhouse/glasshouse/growth room/cabinet and/or from the greenhouse/screenhouse/glasshouse/growth room/cabinet to the autoclave (in order to prevent the dissemination of viable GM material).	<input type="checkbox"/> Yes <input type="checkbox"/> No	
13. Pollination and seed formation prevention in place (where pollen and seed borne dispersal presents a potential hazard).	<input type="checkbox"/> Yes <input type="checkbox"/> No	
14. Treatment of all effluent by chemical inactivation or other validated means in place (where waterborne and/or soil borne dispersal presents a potential hazard).	<input type="checkbox"/> Yes <input type="checkbox"/> No	
15. Disinfectants available for disinfection.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
16. Complete Standard Operating Procedures (SOPs) are available for the following: <input type="checkbox"/> Training of new staff <input type="checkbox"/> Treatment and clean-up of spillages <input type="checkbox"/> Cleaning of equipment <input type="checkbox"/> Transport of GMOs (a) within the greenhouse/screenhouse/glasshouse/growth room/growth cabinet/building, (b) from the laboratory to the greenhouse/screenhouse/glasshouse/growth room/growth cabinet <input type="checkbox"/> Operation, testing and maintenance of containment equipment <input type="checkbox"/> Entry /exit procedures to greenhouse/screenhouse/glasshouse/growth room/cabinet and measures for limiting access to the GMO facility <input type="checkbox"/> Disposal of GMO waste		

Screenhouse/Greenhouse/Glasshouse Component	Inspector's Remarks (if No, state reason)	
D. Personal Protection		
1. Staff maintain a high standard of cleanliness and hygiene and suitable protective clothing (laboratory coat, overshoes or dedicated shoes, gloves) worn in entering the greenhouse/screenhouse/glasshouse/growth room/cabinet.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
2. Signages in place on prohibition of eating, drinking, smoking, storing of food for human consumption and applying cosmetics are prohibited.	<input type="checkbox"/> Yes <input type="checkbox"/> No	
3. Hand washing practiced prior to exiting the greenhouse/screenhouse/glasshouse premises.	<input type="checkbox"/> Yes <input type="checkbox"/> No	

RECORD VALIDATION (To be filled-out by the DOST-BC Inspection Team)			
Date of Inspection (dd/mm/yyyy)			
Inspector	Institution	Signature	Remarks

RECOMMENDATIONS (To be filled up by the DOST-BC Inspection Team)

Approved

Disapproved

Approved after complying with the following conditions:

ADDITIONAL NOTES / REMARKS (Use separate sheet if necessary)

Encl (2): Annex A: Photos of the Activity
 Annex B: Attendance Sheet

Prepared by:

Noted by:

DOST-BC Secretariat

Head
DOST-BC Secretariat

DOST-BC Secretariat

Annex A: Photo documentation

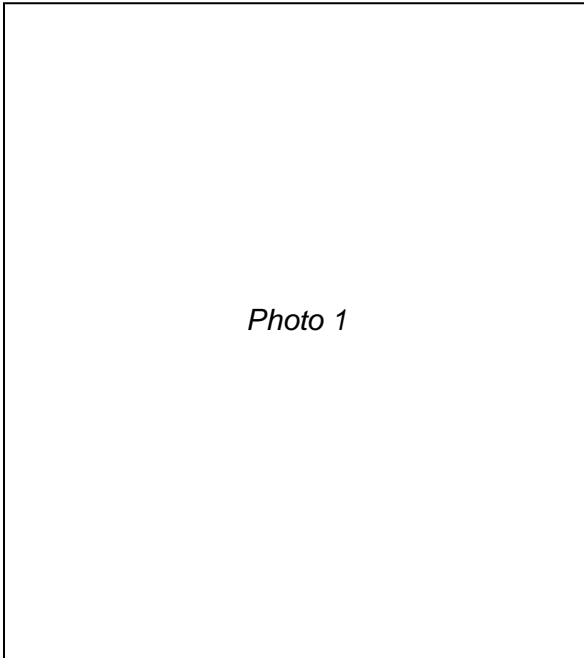


Figure 1: Description of photo

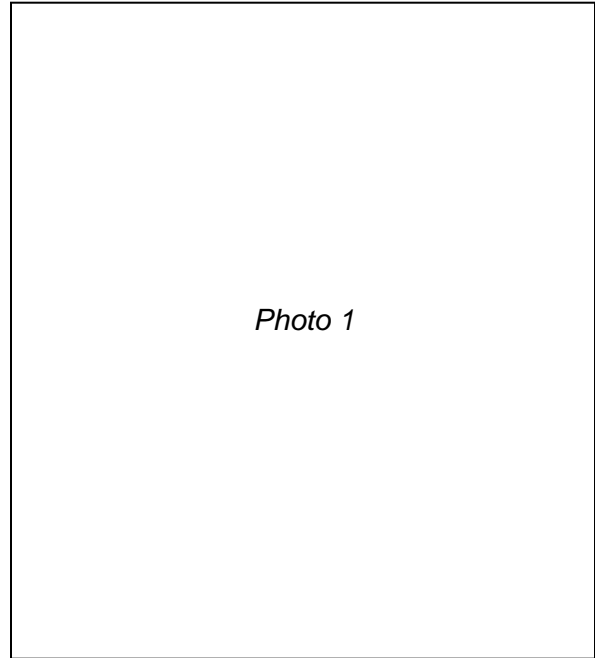


Figure 2: Description of photo

Annex B: Attendance Sheet