

CHAMBER RENTAL APPLICATION FORM
Controlled Environment Facility **[Website: cef.ucdavis.edu]**
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Experimenter's Name _____ Campus Phone _____

_____ Email _____ Home Phone _____

Department _____ Campus Phone _____

Major Professor _____ Campus Phone _____

_____ Email _____

Account ID _____

Department MSO _____ Campus Phone _____

_____ Email _____

ALL CHAMBER USERS and STAFF who perform any activities at CEF A&B are required to SIGN UP at the CEF Website [cef.ucdavis.edu].

ALL USERS are required to have the proper BUA FORMS and properly dispose of TRANSGENIC PLANT MATERIALS.

Experiment Description: _____

Project Start Date [month/day/year] _____

Expected Project Length _____ Approximate Termination Date _____

Type of chamber requested: [E7] [PGR15] [TC30] [MTR30] [PGW36] [PGV36] [Dew Chamber]
[CO2 control] [Low temperature] [Chemical drier]
[BDR8] [MTPC] [TC16] [TCR120] [GR48] [Seed storage]

Programmed Conditions:

Temperature: Day: _____ °C [max 45°C] Night: _____ °C [min 9°C]

Photoperiod: Day length: _____ (hrs.)

Light Level: Max. PAR level desired _____

PAR= Photosynthetically Active Radiation. (200-1100 mm) depends on chamber.

Relative Humidity: Day: _____ % Night: _____ %

CO2 concentration: _____ (If applicable)

Details of Watering Schedule (Frequency with standard nutrients.) _____

Special Requirements: Isotopes, Chemical Drier, Equipment needs, Electrical, Other _____

Plant Types to be grown: _____

Potential Contaminants: _____

Other Comments: _____

CONTROLLED ENVIRONMENT FACILITY RULES

(Common areas)

ALL CHAMBER USERS and STAFF who perform any activities at CEF A&B are required to SIGN UP at the CEF Website [cef.ucdavis.edu]. This information is needed for safe and secure operation of the facility and will be confirmed.

- **All staff and students using CEF A&B growth chambers must sign up at the**
- It is **your responsibility** to keep the area around your chamber clean and free of debris. To keep any auxiliary equipment stored in such a way that it does not interfere with access to other chambers. If you need excessive space for your equipment, you will be required to rent a chamber with sufficient space inside or in direct proximity to it.
- If you **use the potting room you must clean up any mess you make**, and the stainless steel counter must be disinfected with the bleach solution provided.
- External equipment can be placed outside the chamber provided it does not impede movement through the facility or restrict access to another chamber.
- CEF normal business hours are Monday through Friday 8:00 am to 4:30 p.m. After hours the doors are to remain locked and building lights turned off when the building is empty.
- If you **use the wet/dry vacuum**, it must be emptied and cleaned before it is returned.
- **Plant material, soil and pots must be discarded in the dumpsters outside.**

In general, keep the common area and your assigned area clean and free from debris. If you use equipment make sure you return it in the same, if not better, condition than you received it. **If you make a mess, clean it up.** Failure to follow these guidelines will result in revocation of your assignment and may jeopardize future requests for chamber space.

Many different individuals share this facility and departments at any given time, it is imperative that all users do their part to maintain the facility

Initial _____.

SAFETY

- Do not enter or work within a chamber that is controlling a high level of CO₂. Have a CEF staff member turn off the CO₂^{control} or program a period of time each day without a high level of CO₂ for which to do your work within the chamber.
- All electrical devices must be grounded and connected in a safe manner according to the National Electrical Code guidelines.
- No smoking in the facility or the chambers.
- Do not look directly at the lights within the chambers. These lights can cause permanent damage to your eyes.

Initial _____.

CHAMBER RULES

- **Do not** shut the chamber power off for any reason other than hi/lo temperature alarms or an emergency. If this should happen contact the CEF staff immediately.
- Report any chamber malfunctions or burnt out lamps to CEF staff immediately upon realization of a problem.
- The spraying of pesticides or use of potentially toxic chemicals requires written approval (see Lance Burton). Radioisotopes can only be used in specific chambers. Check with staff prior to chamber rental for information.

- Large solid surfaces, such as trays or flats, should not be used on chamber floors or benches. The trays will obstruct the flow of air in the chamber, which hampers the ability to accurately control the environment within the chamber.
- No modifications can be done to chambers without approval from CEF staff or committee. E.g. additions of structural apparatus within chamber or extra humidification.
- Chambers can only be used within the manufacturer specifications. Requests for conditions outside these guidelines will be returned to the user along with a copy of the chamber's limits. The CEF staff will do all programming of the chambers; modifications of selected conditions can be done by submission of changes desired to CEF staff or to the box outside the office.

Initial _____.

POLICIES CONCERNING INSECT INFESTATION

Any plant material being brought into CEF must be inspected for insects **before** it is allowed into a growth chamber. If there is no staff available to inspect your plant material, such as on a weekend, **DO NOT BRING IT IN**. Failure to comply with this policy will result in the immediate termination of your chamber space.

When insects are found on your plant material:

1. Try to identify the insect and approximate when it first appeared.
2. **DO NOT** introduce new plants or remove plants from the chamber. If plants must be removed, they must be bagged and sealed within the chamber before removal.
3. Contact CEF staff immediately to discuss treatment. **Do not** spray insecticides without approval from Lance Burton, CEF manager.

To avoid the spread of insect contamination:

1. DO NOT move plant material around CEF without it being bagged and sealed.
2. Equipment used in chambers should be bagged or decontaminated before removal.
3. Do any work outside your infested chamber before working in the infested area.

Initial _____.

PROJECT TERMINATION

- Upon completion of your project **you must thoroughly clean your chamber**. All plant material, pots, equipment and debris must be bagged, sealed and removed from the chamber. A wet/dry vacuum is available to assist you in this task.

- **The chamber should be returned in the same condition it was rented**. If necessary a CEF staff member will walk through your chamber to help define what needs to be done.

- **Failure** to clean your chamber will result in a **substantial cleaning charge** and may jeopardize future chamber assignments.

- Once you have cleaned your chamber, it must be signed off as clean by a CEF staff member. Charges will continue to be assessed until your chamber is cleaned and signed off.

- **Bldg. keys must also be returned.**

Signed _____ Date / / . Printed
Name _____

Received / / CEF Staff _____