**CHAMBER REQUEST FORM**

ENVIROTRON

Controlled Environment Facility

<http://www.caes.uga.edu/campus/griffin/programs/envirotron>

University of Georgia, Griffin

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Experimenter’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Experiment Description/Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Project Start Date [month/day/year]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Expected Project Length: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Approximate Termination Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Type of chamber requested (72-sq ft, 36-sq ft chambers): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Programmed Conditions

Temperature with lights off [min 5ºC, max 45ºC], with lights on [min10ºC, max 45ºC].

Two chambers can be set with min 2 ºC

Day: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ °C

Night: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ °C

Photoperiod: Day length (hrs.): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Light Level desired (100 to 1000 µmol/m2/sec):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Relative Humidity

Day: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ %:

Night: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ %:

CO2 concentration: (If applicable): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Details of Watering Schedule (Applies only to Chamber # 1): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Plant Types to be grown: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Potential Contaminants: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Other Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

CONTROLLED ENVIRONMENT FACILITY RULES

- Keep the area around your chamber clean and free of debris.

- External equipment can be placed outside the chamber provided it does not impede movement through the facility or restrict access to another chamber.

- If you use equipment make sure you return it in the same, if not better, condition than you received it.

- Envirotron normal business hours are Monday through Friday 8:00 am to 5:00 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.

- 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 Envirotron staff immediately.

- Report any chamber malfunctions or burnt out lamps to Envirotron staff immediately upon realization of a problem.

- The spraying of pesticides or use of potentially toxic chemicals requires approval. 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 Envirotron staff or committee. E.g. additions of structural apparatus within chamber or extra humidification.

- Chambers can only be used within the manufacturer specifications. The Envirotron staff will do all programming of the chambers.

POLICIES CONCERNING INSECT INFESTATION

Any plant material being brought into the Envirotron must be inspected for insects.

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 Envirotron staff immediately to discuss treatment. Do not spray insecticides without Envirotron stuff approval.

To avoid the spread of insect contamination:

1. DO NOT move plant material around Envirotron 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.

SAFETY

- Do not enter or work within a chamber that is controlling a high level of CO2. Have an Envirotron 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.

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 vacuum is available to assist you in this task. The chamber should be returned in the same condition it was requested.