STANDARD OPERATING PROCEDURE
for
LABORATORY USE OF PESTICIDES

Instructions: Principal Investigators should complete this generic form whenever they use pesticides in laboratory experiments. You can edit the document name and other formatting aspects of the document so that it reads logically and smoothly; be careful to preserve the integrity of the SOP requirements.

Location(s): ___________________________________________________

Chemical(s): _________________________________________________

Specific Hazards: _____________________________________________

1. Purchasing: All purchases of this material must have written approval from the Principal Investigator or ______________________ before ordering. The user is responsible to ensure that a current Material Safety Data Sheet (MSDS) is obtained unless a current one is already available within the laboratory. Quantities of this material will be limited to ________________, or the smallest amount necessary to complete the experiment.

2. Storage: Materials will be stored according to compatibility and label recommendations in a designated area: _________________________________. Storage areas will be regularly inspected by _______________________________ to ensure safety. Periodic inventory reductions will be scheduled.

3. Authorized personnel: Use of this material requires prior written approval from the PI or ________________________, Title: ____________________. Use will be limited to the following personnel (check all that apply):

Principal Investigator ____ Graduate students____
Technical staff ____ Post doctoral employees____ Undergraduates ____
Other (describe) _______________________

4. Training requirements: The user must demonstrate competency and familiarity regarding the safe handling and use of this material prior to purchase. Training should include the following:
___Review of current MSDS           ___Special training provided by the department/supervisor
___Review of the OSHA Lab Standard  ___Review of the departmental safety manual
___Review of the Chemical Hygiene Plan ___Safety meetings and seminars
___Laboratory safety training (EH&S)

5. Use location: Materials shall be used only in the following designated areas in room ______. Check all that apply:

demarcated area in lab (describe)________________________________________
fume hood ___X__ glove box _____ other (describe) _______________________

6. Labeling: If pesticides from original containers are repackaged into secondary containers, then the secondary containers need to be properly labeled with the full name of the materials in the container, the concentration if a solution or mixture, the date and the name or initials of the person making the solution or repackaging the chemical, and the hazard word on the original pesticide (caution, warning, danger, or danger/poison).

   Secondary containers of this material will be labeled as follows:

   __________________________________________________________
   __________________________________________________________
   __________________________________________________________
   __________________________________________________________
   __________________________________________________________

7. Personal protective equipment: All personnel are required to wear the following personal protective equipment whenever handling this material (check all that apply):

   Safety goggles _____ Chemical safety goggles ___X__ Face shield _____
   Gloves (type/use):
   Incidental Contact: _____________________________
   Extended Contact: ______________________________
   Lab coat ________ Rubber apron _________ Tyvek clothing _____________
   Respirator (type) ________________ Other (describe) __________________

12.2
8. Waste disposal: The authorized person using this material is responsible for the safe collection, preparation and proper disposal of waste unless otherwise stated below. Waste shall be disposed of as soon as possible and in accordance with all laboratory and University procedures. Some pesticide active ingredients can be deactivated - through oxidation, UV radiation, autoclaving (some combination of heat and pressure), etc. The manufacturer can provide advice about deactivation. If deactivation is possible, record that procedure below. Where Containerized Soil Leaching Evaporation Degradation Systems (CSLEDs) exist at CALS facilities, it may be possible to dispose of used materials on the CSLEDs. Anyone wishing to do so should confirm that protocol with Mary-Lynn Cummings, CALS Asst. Director for Occupational and Environmental Health, 5-2557.

Specific instructions: Call EHS for disposal

9. Decontamination: Specific instructions: Call EHS for assistance.

10. Exposures: Emergency procedures to be followed (from MSDS):

Skin contact
symptoms:
furst aid:

Eye contact
symptoms:
first aid:

Inhalation
symptoms:
first aid:

Ingestion
symptoms:
first aid:

11. Spills: Spill cleanup materials to be used, location of materials, PPE to be used, disposal of cleanup materials, etc. Please be as complete as possible:

12. Phone numbers:
Cornell Campus Police 911 (accidents, spills)
Environmental Health and Safety 5-8200
Gannett Health Center 5-5155
13. Other: Special precautions, incompatible/reactive materials, usable shelf life, etc. Please be as specific as possible:

Prepared by: ______________________________

Date: ___________

Reviewed/Revised: _________________

A copy of the completed SOP must be filed with the Cornell Chemical Hygiene Officer at EH&S, 125 Humphreys Service Building.