Employee Name: _	 Lab PI:
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## DEPARTMENTS OF PLANT PATHOLOGY, ENTOMOLOGY & NEMATOLOGY LAB REFRESHER SAFETY TRAINING FOR EMPLOYEES

The Departments of Plant Pathology & Nematology, pursuant to State Law, has instituted an **Injury and Illness Prevention Program** [ **IIPP** ]. This program is designed to help mitigate health related problems associated with the work place. In general, it is the Department's responsibility to provide information and resources so that you, the employee, can perform your job in a safe manner. (see E. H. & S. SafetyNet #33 and others listed below)

Your responsibility is to:

- 1. Participate in safety training sessions (see your "right-to-know" SafetyNet #40).
- 2. Study, learn, and understand the hazards associated with your job and the appropriate health and safety precautions, protective equipment, and emergency measures for your workplace.
- 3. Follow all rules, safety guidelines and established safe work practices.
- 4. Report unsafe work practices or conditions to your supervisor or Department Safety Coordinator.
- 5. Offer suggestions and/or comments to improve and maintain a safe work environment.

This check list <u>must</u> be completed with your supervisor as you take a "walk through" of your work area. Make certain that you have identified the following safety features and that you have been introduced to following general safe lab practices. Lab orientation will be followed by training on safety procedures that you will need for your specific job.

## I. EMERGENCY PROCEDURES

□Acce	ss & Egress – Evacuation Procedures. Location of exits noted.
	Importance in maintaining clear exits, doors and aisle ways.
	Train to lab specific <i>Emergency Action Plan</i> .
	Primary and secondary assembly areas noted
	Evacuation of disabled explained (if applicable)
	Train location and activation of fire alarm pull station
□Fire €	extinguishers. Location(s) noted.
	gency Eye Wash and Showers. Location(s) and operation. (SafetyNet #66)
	eral Earthquake Safety, Bomb Threat, Active Shooter, and Disaster Procedures
	Earthquake: Shelter in place, watch for falling objects
	UC Davis Police Department Warn Me,
	o Cell phone registration recommended
□Chen	nical spill kits. Location(s) noted. SafetyNet #13 posted in the lab. SafetyNet #127 (if
applic	cable).
	Procedures regarding response to an accidental spill should be described.
	Neutralization of strong acid or strong base
	Mercury (SafetyNet #16)
□First	aid kit. Location noted, components described and use explained.
□Emer	gency Response
	Obtain medical care – Call 911
	Phone location noted and dialing instructions covered
	Emergency Response Guide use explained and location noted
	Report injury or symptoms of illness to supervisor within 24 hours.
	Report all serious work related injuries or illnesses to EH&S within 8 hours
	<ul> <li>Explain serious injury or illness (loss of body part, surgery, hospitalization &gt; 24 hours,</li> </ul>
	death)

□Safet	y Documents
expla	Safety Data Sheets (formerly material safety data sheets, MSDS), importance and sections ined. Employees must read and understand all sections of Safety Data Sheets (MSDS) before
	ng with any chemicals  Location within the lab or website - <a href="http://www.ucmsds.com/?X">http://www.ucmsds.com/?X</a>
	Location and training of the Chemical Hygiene Plan, including Training Materials and Safety Forms.
	<ul> <li>Employee must read and understand Chemical Lab Safety Manual</li> <li>Explain the importance and confirm deadlines for completing UC Laboratory Safety Fundamentals course, Initial Laboratory Safety training, Refresher Laboratory Safety training, Greenhouse and Field Safety training, Heat Illness Prevention training, any Specialized Safety training necessary (biosafety cabinet, safe driver, radioactive materials, cryogenic liquids, etc.)</li> </ul>
	<ul> <li>Consult <u>UCD safety training matrix</u> to determine appropriate coursework</li> </ul>
	■ Employee must read, understand, and sign Injury and Illness Prevention Plan & Emergency Action Plan
No.TE	Standard Operating Procedures (protocols) for all hazardous procedures performed in lab, Chemical Standard Operating Procedures for all hazardous chemicals in lab  o Location noted, importance, applicable signatures, and procedures explained
NOTE: nev is complet	v employees cannot work in lab, greenhouse, or field until all applicable safety training e
II. STANDA	ARD OPERATING PROCEDURES FOR LABORATORIES
	duction to the work area, safety features and safe working practices.
	Personal protective equipment (PPE) location or assignment of appropriate equipment. (see
	general chemical lab safety manual or SafetyNet #19)  o Lab coat, safety glasses, and gloves must be worn when working with or within 3 meters
	of someone working with any hazardous chemicals  Lab Coat types and uses explained (flame resistant, barrier, standard)
	<ul> <li>Lab Coat types and uses explained (flame resistant, barrier, standard)</li> <li>Safety eyewear types and uses explained (face shield, eye goggles, safety glasses)</li> </ul>
	<ul> <li>Gloves how to do on and off, types and uses explained, online glove selection guide (safety net #50)</li> </ul>
	<ul> <li>Other PPE's location noted and uses explained (autoclave gloves, leather gloves, knee pads, aprons, etc.)</li> </ul>
	Fume hoods, location noted controls and equipment explained (SafetyNet #35, UC Laboratory Safety Fundamentals, Fume Hood Safety training)
	Laminar Flow Hoods
	<ul> <li>Clean/Sterile Benches, locations noted instructions for use provided</li> <li>Biosafety Cabinets, specialized training certification required</li> </ul>
II. STAND <i>A</i>	ARD OPERATING PROCEDURES FOR LABORATORIES
□Intro	duction to the work area, safety features and safe working practices.
	Chemical storage & handling [including transport]. (SafetyNet#33, #42)  ☐ Flammables
	☐ Corrosives and contact hazardous chemicals (Phenol, SafetyNet #22)
	☐ Reactive and incompatible chemicals (SafetyNet #4)
	☐ Campus-regulated <i>Chemical Carcinogen Plan</i> – chemical & SOP specific.
	<ul> <li>□ Reproductive toxins, highly toxic chemicals and chemicals of unknown toxicity</li> <li>□ Explain proper containment, handling and labeling of chemicals; emphasize the need to</li> </ul>
	label solutions properly (full chemical name, manufacturer, known hazards, date prepared) Hazardous waste. Procedures outlined and explained. Autoclaving and double containment
	explained. Labeling procedures explained (school, department, lab PI, room #, contact phone #)

		y and Nematology do not use the r outoclave bags are allowed for disp	
	from plant material	diociave bags are allowed for disp	osai oi mazardous waste
	Chemical Waste, Sharps a	nd Broken Glass containers (SafetyN	ets #3, 43, 110).
	□Location(s) of receptact Other laboratory hazards. L		
_	☐ Syrings & Needles (Sa		
	☐ Potential electrical haz		
		ice, ultra-low freezers (SafetyNet #58)	1
	☐ Autoclaves (SafetyNet		,
	☐ Compressed Gas Cylir		
	☐ Ultraviolet Radiation (S	` ,	
□Intro	duction to personal hygier	ne practices and behavior.	
	Smoking is prohibited on all	I UC campuses across California	
	Wash hands before leaving		
		consumption and storage is allowed a	
		ork place – <b>closed toe &amp; closed hee</b>	I shoes, long pants, no
	sandals, no bare midriffs,		
	The removal of one glove to common areas	o open doors, operate elevators, etc.	is recommended in all
		of keeping neat, clean and organized	work stations.
	Back safety (lifting hazards)		
		zards. Never stand/climb on chairs	
	Other laboratory hazards. L		
III. HEAT IL	LNESS PREVENTION, GR	EENHOUSE, AND FIELD SAFETY T	RAINING
		sed to temperatures of 85°F and hi	
		g. This is likely to include greenhouse	es, agricultural fields and the
	Armstrong field station. A s	•	
		ices.ucdavis.edu/tr/lmsL/hip	
		y training. Offered periodically from R	on Lane at Environmental
	Horticulture, watch for emai	il notifications of when and where	
I have some	plated the appual refractor (	Safaty Training and have been inform	ad of the above actativ
consideration		Safety Training and have been inform	ed of the above safety
Signature o	f Employee	Printed Name	Date
Signature o	f Lab Safety Contact / PI	Printed Name	Date
✓ Place a	copy in your Laboratory S	Safety & Training Manual to docu	ment training

## I HAVE READ AND UNDERSTOOD THIS SAFETY DOCUMENT

Горіс:	Date:	
1.		