



Pesticide Exposure Prevention

University Facilities

Internal Procedure: July 1, 2013

Effective date: July 1, 2013

Last Modified: April 2013

Approved by: Bob Wells

1.0 Pesticide Exposure Prevention

- 1.1** The University will comply with the EPA Worker Protection Standard (WPS) 40 CFR part 170 in all aspects. This standard addresses training, personal protective equipment, safety procedures, and medical monitoring to reduce or eliminate exposure to pesticides. The WPS covers pesticides that are used in the production of agricultural plants on farms, forests, nurseries, and greenhouses. The WPS addresses procedures that are necessary for responding to exposure-related emergencies. Exposure to certain pesticides may lead to serious illness.
- 1.2** In order to prevent exposure, safe work practices, training and personal protective equipment are necessary. The use of certain pesticides, including organophosphate chemicals, require medical monitoring.
- 1.3** Employees whose use of pesticide is not covered under the Worker Protection Standard will be required to meet conditions as specified in OSHA's Hazard Communication Standard and Personal Protective Equipment Standard. Please contact EHS for questions regarding the WPS.
- 1.4** Departments have the following responsibility:
 - 1.4.1** Make certain that employees are adequately trained.
 - 1.4.2** Assure that the necessary personal protective equipment is available for using application, equipment cleaning, or spill cleanups for each pesticide use.
 - 1.4.3** Assure that employees and students receive required medical surveillance as describes below. Note: (This is at the student's expense and they can choose their own physician). Employees must use approved Clemson medical provider.
 - 1.4.4** When possible, choose a pesticide with the lowest toxicity rating (e.g. a pesticide with a 'Caution' label rather than a 'Danger' label).

- 1.4.5** Make efforts to limit the exposure time of employees who apply, mix or handle designated pesticides to less than 7 days in any 30-day period.
 - 1.4.6** Where necessary, maintain pesticide application schedule and post for the required time period.
 - 1.4.7** Adhere to other areas of the WPS, including REIS – Restricted Entry Intervals, oral warnings, pesticide application notification and posted safety information.
 - 1.4.8** Follow WPS requirements in the event of a pesticide poisoning or exposure, which includes provisions for transportation to a medical facility and providing medical personnel with information on the pesticide and circumstances of the injury/exposure.
- 1.5** Medical Surveillance is required for the following chemicals and conditions of use:
- 1.5.1** Employees who handle organophosphate or carbamate pesticides for more than 7 days per month and have a “Danger” or “Warning,” (Category one and two) label.
 - 1.5.2** Baselines and follow-up exams are required for employees who work with designated pesticides. Employees who work with these compounds less often or use closed mixing and loading systems may require less frequent testing. Baseline values are verified every two years. Follow-up exams will be upon direction of the physician.