



**UNC**  
ENVIRONMENT,  
HEALTH & SAFETY

# Job Safety Analysis

Safety Information for The University of North Carolina at Chapel Hill

## JOB SAFETY ANALYSIS TOPIC:

Pesticide Application Awareness



Title	Work Task	Hazards	Controls
Preplan the work	Gather proper tools (mixing bucket, sprayer)  Review SDS  Gather Proper PPE for the job and inspect it (safety glasses, gloves, Tyvek suit in certain situations)	Improper tools  No SDS review  Improper PPE inspection/selection	Using improper tools or parts can lead to unnecessary exposure. Proper tools make a job both easier and faster.  Reading the SDS reminds the user of hazards associated with the pesticide  Improper PPE use and inspection can lead to unnecessary hazards created by wrong PPE or faulty PPE. Make sure to use proper PPE for job at hand.
Before the job	Don necessary PPE (safety glasses, gloves)  Dilute Pesticides if required by product  Fill sprayer with pesticides	Improper Donning  Improper Mixing  Improper Fill Procedures	Improperly donning or not donning PPE can lead to an unnecessary exposure. Ensure all PPE is on correctly and passed inspection.  Follow manufacturers recommendation for proper dilution practices.

			Improper filling can lead to spills. Make sure to follow standard operating procedure when filling a sprayer. Funneling pesticide into tank can help prevent spills.
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Title	Work Task	Hazards	Controls
Spraying Pesticides	Continue to wear proper PPE Spray pesticides on proper areas	Improper PPE Overspray	Improper PPE can lead to unnecessary exposure, wear PPE throughout process  Only spray in areas necessary
Clean Up	Take sprayer back and store properly for later use  Doff PPE and store in safe dry location	Improper Storage  Improper Doffing Procedure	Improper storage can lead to lower lifespan of tools and PPE. Have a predetermined storage location for later use  Improper doffing can lead to unnecessary exposure. Make sure to doff properly and clean PPE as needed
Training	Employees must have hands on training in the proper use of this piece of equipment.	Supervisor is to fill out the turn in the form to UNC-CH 'Supervisor Led Training Form' and Environment, Health and Safety for documentation of proper training	
Created By	Cory Kirkland, Facilities Safety Officer  Mark Moon, Grounds		

<b>Referenced Material</b>	Pesticide manufacturer recommended practices		
<b>Contact Info</b>	<p>For more information about this JSA and other JSAs, contact:  <i>UNC-CH Department of Environment, Health and Safety</i>  1120 Estes Drive Extension, Chapel Hill NC 27599 CB# 1650  (919) 962-5507 ☎ <a href="http://ehs.unc.edu">http://ehs.unc.edu</a></p>		