

HAZARD ASSESSMENT

Use the hierarchy of controls to document the hazards and the corresponding control measure(s) involved in each step of the procedure.

Consider *elimination or substitution* of hazards, if possible.

Engineering Control(s): items used to isolate the hazard from the user (i.e. fume hood, biosafety cabinet).

Administrative Control(s): policies/programs to limit the exposure to the hazard (i.e. authorizations, designated areas, time restrictions, training).

Required PPE: indicate PPE including specific material requirements if applicable (i.e. flame resistant lab coat, type of respirator or cartridge).

Name: EXAMPLE Date: EXAMPLE

Building & Room: EHSSB 1000

Name of Procedure: GREENHOUSE TASKS IN EHSSB 1000

Task	Hazard(s)	Engineering Control(s)	Administrative Control(s)	Required PPE
Watering research plants	Repetitive work, Heat stress, Trips, Slips and Falls	Work in well-lit area	All required EH&S safety training for greenhouse users, Site specific training, Always work in teams of 2	Rain boots/ Waterproof and slip resistant footwear
Preparing sand bench for planting seeds	Standing for extended period, Awkward postures, Heat stress, Back pain due to heavy lifting, Sand, and other particles in eyes	Work in well-ventilated area	All required EH&S safety training for greenhouse users, Site specific training, EH&S Ergonomics training use proper lifting techniques. Stay hydrated	Safety glasses
Tissue collection for DNA extraction with razor blades	Repetitive work, Heat stress, Cuts due to sharp objects	None	All required EH&S safety training for greenhouse users, Site specific training, EH&S Blood Borne Pathogens training. Stay hydrated	Cut-resistant gloves
Adding potting mix to pots	Repetitive work, Back pain due to heavy lifting, Soil, and other particles in eyes	Work in well-ventilated area	All required EH&S safety training for greenhouse users, Site specific training. EH&S Ergonomics training use proper lifting techniques	Gloves, Safety glasses
Spraying Ethephon to plants as a Plant Growth Retardant (PGR)	Toxic, Skin irritant	Work in well-ventilated area, Ensure access to eyewash station and a safety shower	All required EH&S safety training for greenhouse users, Site specific training, Read the Ethephon SDS before spraying	Lab coat, Tight sealing safety goggles, Gloves, Long pants, Fully enclosed shoes, Respirator if exposure limits are exceeded

TRAINING RECORD

Print Name	Signature	Trained By	Date