

Safe Work Instruction - Tractor with Blower & Mechanical edger attachment

DO NOT use this plant* or complete this task unless you have been inducted in its safe use and operation by an Authorised Experienced Operator

This SWI may not cover all possible hazards and risks and should be referred to as a control measure in the risk assessment process.
Additional training may be required for high risk plant/work. Site and task may change required PPE.

PERSONAL PROTECTIVE EQUIPMENT



Eye protection must be worn



High visibility clothing must worn



Hearing protection must be worn



Foot protection must be worn



P2 face mask must be worn when airborne dust or fumes are created



Walk-a-Round



POTENTIAL HAZARD AND RISKS

- ❗ Cutting, Stabbing or Puncturing**
Injury from unexpected movement of plant
Injury from contact with moving parts
- ❗ Exposure to Dust/Fumes**
Exposure to Dust
Exposure to other emissions released by the plant
- ❗ Other**
Hearing damage from excessive noise
Injury due to plant malfunction or misuse
Injury due to operating of plant in unsuitable weather conditions
Contact with hot or cold parts of plants
- ❗ Entanglement**
Entanglement in moving parts
- ❗ Electrical Shock or Burn**
Electrical shock or burn from plant contact with live electrical conductors
- ❗ Crushing**
Crushing due to plant tipping or rolling over
Crushing due to material falling off plant
- ❗ Slip, Trips, Falls**
Slip, trip or fall from entering/exiting plant

PRE-OPERATIONAL SAFETY CHECKS



- ✓ Complete a site-specific risk assessment.
- ✓ Be certain condition of worksite is stable and capable of supporting plant during operation.
- ✓ Complete appropriate pre-operational plant checklist.
- ✓ Ensure that you are familiar with plant operations and controls and know how to stop tractor, engine and implements quickly in an emergency.
- ✓ Ensure that guards are fitted, secured and functional in accordance with manufacturer's guidelines.
- ✓ Use only attachments that meet specifications listed in the Operational Manual.

- ✓ Establish an exclusion zone around work area.
- ✓ Ensure you are trained and competent and if driving on public roads, appropriately licensed.
- ✓ If tractor is used on public roads, ensure it is registered.
- ✓ Before starting tractor;
 - ensure all levers are in their neutral positions,
 - parking brake is engaged &
 - clutch and Power Take-Off (PTO) are disengaged.
- ✓ Seat belt must be worn.

OPERATING PROCEDURES

- ✓ Operator must remain in tractor seat during operation.
- ✓ Keep clear of moving plant parts.
- ✓ When loading and unloading plant from trailer;
 - ensure that PTO is fully raised.
 - refer to SWI44 – Loading and Unloading Plant from Trailer.
 - refer to SWI42 – Load Restraint
- ✓ Fully raise **Mechanical Edger** and **Blower** before reversing.

- ✓ Only engage PTO when **Blower** is in the lowered position.
- ✓ Operate plant to conditions of work area &:
 - be aware of changes in weather conditions that may affect plant operator's safety,
 - be aware of wet/soft and loose edges.
 - at all times watch where you are going. Be alert at row end, near trees and other obstructions. Be aware of overhead branches.
- ✓ Operate plant on slopes according to manufacturer's guidelines.
- ✓ Ensure no person or animal is endangered when operating plant.
- ✓ Drive at a speed slow enough to keep control over unexpected hazards. Do not exceed maximum safe operation speed of **Mechanical Edger** which is **8kph**.
- ✓ Avoid sudden starts. Slow down when turning, when on uneven ground and before stopping.
- ✓ When driving plant on and off path ensure that PTO and **Mechanical Edger** are fully raised.
- ✓ Before making adjustments, bring plant to a complete standstill and isolate.
- ✓ When adjusting **Edger** distance, take weight of the extension to take the load off the pin to remove it.
- ✓ Perform full visual check of **Mechanical Edger** every hour of operation. Check for possible damage such as Cutting Disc, Depth Control Drum, Hydraulic Oil Leaks, damage to Hydraulic Hoses, loose components, etc.
- ✓ Be aware of sharp edges on cutting disk of **Mechanical Edger**. Wear suitable hand protection and use Edger Disc Protector when replacing cutting disk.
- ✓ Disconnect hydraulic circuits from tractor when adjusting to prevent inadvertent operation of **Mechanical Edger**.
- ✓ Use 3 points of contact when entering and exiting plant.

ENDING OPERATIONS

- ✓ When stopping tractor:
 - park on even ground and disengage PTO and lower all attachments.
 - place all control levers in their neutral positions, apply parking brake, turn off engine and remove keys from ignition.
 - ensure tractor has come to a complete stop before dismounting.
- ✓ Avoid parking on steep slopes, where possible park on a firm and level surface; if not possible, park across a slope with wheels chocked.
- ✓ After switching off **Blower**, the machine still runs. Don't go near rotating parts until machine has come to a complete stop. Perform maintenance and repair activities only on a stationary machine.
- ✓ Stop, look and listen for any movement after PTO is switched off before approaching the PTO

connection, PTO shaft, power input connection and all parts of a connected implement.

- ✓ Remove any foreign materials from in and around engine attachment and parts.
- ✓ Allow plant to cool before performing any maintenance, refuelling or cleaning.
- ✓ Refuel plant at least 3 metres from combustibles.
- ✓ Ensure plant is in good working order and stored in the appropriate location.

DO NOT

- ✗ Do not use if plant is faulty. Attach a DO NOT OPERATE tag and report fault to your supervisor.
- ✗ Do not start engine by shorting across starter terminals or bypassing the safety start switch. Machinery may start in gear and move if normal starting circuitry is bypassed.
- ✗ Do not operate **Blower** if persons, animals or vehicles are within the air currents area.
- ✗ Do not use mobile phone while operating plant.
- ✗ Do not leave plant running unattended.
- ✗ Do not leave keys in machinery whilst unattended.
- ✗ Do not start or operate levers from anywhere other than the seat.
- ✗ Do not attempt to turn with differential locked.
- ✗ Do not allow any passengers to ride on tractor or attachments.
- ✗ Do not mount or dismount plant whilst engine is in gear or moving.
- ✗ Do not modify or alter **Mechanical Edger** or **Blower**, any of their components or any functions.
- ✗ Do not rely on hydraulic lifting system on **Mechanical Edger** when it is necessary to work under **Edger**.
- ✗ Do not use any part of your body to check for leaks. Hydraulic fluid at high pressure can penetrate skin.
- ✗ Do not stand between tractor or trailed vehicle unless parking brake is applied.
- ✗ Do not operate or idle engine in a non-ventilated area.

***Plant in this SWI refers to any machinery, equipment, appliance, container, implement and tool.**