







# Mal's Hire and Mechanical

## SAFETY, RISK AND HAZARD ASSESSMENT

<b>Plant Name</b>	Red Roo Rotary Hoe		
<b>Operator Competency</b>	Plant licence not required  Please refer to the User Guide and Operators Manual for detailed operating instructions		
<b>Personal Protective Equipment</b>	The following <b>MUST</b> be worn when operating this machine:		
 <b>FOOT PROTECTION MUST BE WORN</b>	 <b>EYE &amp; HEARING PROTECTION MUST BE WORN</b>	 <b>HAND PROTECTION MUST BE WORN</b>	 <b>PROTECTIVE CLOTHING MUST BE WORN</b>



## 1 Risk Matrix

### 1.1 Step 1 – Likelihood

Determine the likelihood that the event could occur using the scale below:

Likelihood	Criteria
5. Frequent	Expected to occur on a regular basis and many times
4. Occasional	May occur occasionally or in many circumstances
3. Unlikely	Unlikely to occur but possible when certain circumstances prevail
2. Remote	Not anticipated but may occur if certain abnormal circumstances prevail
1. Rare	Conceivable, but has not been known to arise previously

### 1.2 Step 2 – Consequence

Determine what the expected outcome (consequence) could be should the event occur using the scale below:

Consequence	Category	Criteria
5. Catastrophic	Health and Safety	Multiple permanent disability injuries and/or multiple fatalities
	Infrastructure, services and the environment	Impact to infrastructure, services and the environmental that is unable to be rectified.
4. Major	Health and Safety	Injury or illness requiring medical treatment with lost time of <7 days, permanent disability injury, and/or fatality
	Infrastructure, services and the environment	Impact to infrastructure, services and the environmental that requires third-party involvement and/ or <7 days for rectification
3. Significant	Health and Safety	Injury or illness requiring medical treatment with lost time of >7 days
	Infrastructure, services and the environment	Impact to infrastructure, services and the environmental that requires third-party involvement and/ or >7 days for rectification
2. Minor	Health and Safety	Injury or illness requiring on-site first aid treatment
	Infrastructure, services and the environment	Some impact to infrastructure, services or the environment but easily rectified
1. Minimal	Health and Safety	Injury or illness requiring no treatment or first aid treatment only
	Infrastructure, services and the environment	Little to no impact to infrastructure, services or the environment



### 1.3 Determine overall risk score

		Consequences				
Likelihood	5. Frequent	Low	Moderate	High	Extreme	Extreme
	4. Occasional	Low	Low	Moderate	High	Extreme
	3. Unlikely	Negligible	Low	Moderate	High	High
	2. Remote	Negligible	Negligible	Low	Moderate	High
	1. Rare	Negligible	Negligible	Negligible	Low	Moderate
		1. Minimal	2. Minor	3. Significant	4. Major	5. Catastrophic

## 2 Potential Hazards

Potential Hazard	Risk Level	Control Measures
Striking injury obtained by spectator	Moderate	<ul style="list-style-type: none"> <li>Always ensure spectators are outside of the exclusion/work zone</li> <li>Only competent people to operate the machine</li> <li>Ensure all machine alarms are working and in order</li> <li>Always operate the machine in line with the operator's manual</li> </ul>
Injury from contact with moving parts	Moderate	<ul style="list-style-type: none"> <li>Ensure hands, feet and loose clothing are kept clear from moving parts at all times</li> <li>Do not remove any guards or covers</li> <li>Do not reach into tiller while running. Always turn off machine, allow it to come to a complete stop and remove keys prior to removing any jammed materials.</li> </ul>
Injury from contact with below ground services	Moderate	<ul style="list-style-type: none"> <li>Always check below ground for underground services such as cables, pipes, culverts etc</li> </ul>
Burn hazard	Low	<ul style="list-style-type: none"> <li>Always wear protective clothing during operation</li> <li>Avoid contact with hot components</li> <li>Allow engine to cool before attempting any maintenance</li> </ul>
Injury due to operating in an unsafe or in a manner not in line with the operators manual	Low	<ul style="list-style-type: none"> <li>Always read the operators manual prior to operating this machine and follow operating instructions</li> </ul>
Injury or illness due to exposure to exhaust or fuel fumes	Low	<ul style="list-style-type: none"> <li>Do not operate this machine in a confined space</li> <li>Only operate in well-ventilated areas</li> <li>Avoid coming into contact with fuel</li> </ul>
Machine/ Vehicle/ Pedestrian interaction	Low	<ul style="list-style-type: none"> <li>Always check your work area for other vehicle, machine and pedestrians prior to operating</li> <li>Demarcate area if there are potential interaction hazards or, ensure you have a spotter</li> </ul>



Potential Hazard	Risk Level	Control Measures
Hearing damage	Low	<ul style="list-style-type: none"><li>Hearing protection must be worn when operating this machine</li></ul>
Manual Handling	Low	<ul style="list-style-type: none"><li>Lift equipment with mechanical aid</li><li>If mechanical aid unavailable, always ensure this equipment is lifted by more than 1 person – using safe lifting techniques</li></ul>

### 3 Operating Instructions

Please refer to the User Guide and Operators Manual for detailed operating instructions for this machine.

***The safety information contained in this assessment is general information only and should not be relied upon as a substitute for professional advice or tuition, which the hirer should seek before operating.***