

Pro Functional Check Protocol








Serial Number
Date
Location

This document lists checks to ensure RootWave Pro is functioning as expected following either transport to treatment location or following maintenance.

The machine will have been cleaned and checked following previous use.

Put on dielectric insulating knee boots and other appropriate protective equipment. Implement appropriate control measures. Set up system with Safety Earth and Treatment Return in ground and Treatment Lance on dry elevated surface.

Each 'action' should bring about the specific 'response' described. If anything appears incorrect then contact you RootWave supplier. The 'fault' light on the Power Module should not light during these checks; if it does then contact your RootWave supplier.

Step	Action	Response	Tick
4	Generator power input Turn on generator.	Power Module: 'Power' light steady green (all other lights are off). 	
5	System ready On the Power Module check the emergency stop is released and turn 'Isolator' to on.	Power Module: 'Power' 'System' and 'Ready' light steady green, 'Live' light flashes amber.  Treatment Lance: 'Reset' button flashes red. 	
6	Treatment lance set Pick up Treatment Lance and hold in a safe position. Press reset button.	Power module: 'Power' 'System' and 'Ready' light steady green, 'Live' light steady amber.  Treatment Lance: 'Reset' button steady green. 	
7	Emergency stop Press emergency stop on power module.	Power Module: 'Power' and 'System' light steady green, 'Ready' light off, 'Live' light off.  Treatment Lance: 'Reset' button light off. 	

RootWave Pro

Functional check protocol

<p>8</p>	<p>Activate lance Release emergency stop button, hold treatment lance in a safe position (no need to make contact with weed), reset treatment lance, activate treatment lance.</p>	<p>Power Module: 'Power', 'System' and 'Ready' lights green, 'Live' light steady amber. ● ● ● ●</p> <p>Treatment Lance: 'Reset' button steady green, shaft light steady red when triggers pressed. ○ ●</p>	
<p>9</p>	<p>Check safe stop Fully squeeze Treatment Lance rear trigger. Reset and repeat with front trigger.</p>	<p>Power Module: 'Power', 'System' and 'Ready' lights green, 'Live' light flashes amber. ● ● ● ✨</p> <p>Treatment Lance: 'Reset' button flashes red, shaft light is off. ⚙ ●</p>	

Checks carried out by:

Functional Check Sign-off: