



# HCPSL

Herbert Cane Productivity Services Ltd.

181 Fairford Road  
 P.O. Box 135  
 Ingham Qld 4850  
 Website: www.hcpsl.com  
 Email: admin@hcpsl.com.au

Phone: 07 4776 1808  
 07 4776 5660  
 Fax: 07 4776 1811  
 ACN: 100 551 826

## CALIBRATION OF A HERBICIDE SPRAYER

Date of Calibration:.....

### Steps of calibration

1. Select your tractors' gear and engine RPM for your preferred application speed. Record the details below:

- A) Tractor ID: .....
- B) Gear: .....
- C) Engine RPM: ..... Pressure: .....
- E) Record your time to travel 100 metres. (Check at least twice.)  
 Seconds: .....

2. Collect output of the **nozzle/s or each dropper or Irvin leg in Litres** for the time recorded in 1-E). (Stationary calibration)

Nozzle 1	Nozzle 2	Nozzle 3	Nozzle 4	Nozzle 5	Nozzle 6		
L	L	L	L	L	L	Total	L
Nozzle 7	Nozzle 8	Nozzle 9	Nozzle 10	Nozzle 11	Nozzle 12		
L	L	L	L	L	L	<b>Total of all nozzles</b>	<b>L</b>

3. Determine the treated area: in **Square Metres(M<sup>2</sup>)**

<b>Total boom Width sprayed M</b>		<b>100 M</b>		<b>M<sup>2</sup></b>
	X	100 M	=	

4. Calculate the application rate of water/ha

<b>Total Output of nozzles</b>		<b>Spray Area</b>		<b>Spray Rate</b>
<b>L</b>	÷	<b>M<sup>2</sup></b>	x 10000 =	L/Ha

5. Calculate how much herbicide to add to your spray tank

<b>Tank Volume</b>		<b>Spray Rate</b>		<b>Product Rate</b>		<b>Herbicide in Tank</b>
L	÷	L/Ha	x	L/Ha	=	L

**Disclaimer:** Except as required by law and only to the extent so required, none of HCPSL, its directors, officers or agents makes any representation or warranty, express or implied, as to, or shall in any way be liable (including liability in negligence) directly or indirectly for any loss, damages, costs, expenses or reliance arising out of or in connection with, the accuracy, currency, completeness or balance of (or otherwise), or any errors in or omissions from, any test results, recommendations statements or other information provided to you.