

## How To Calibrate A Knapsack Sprayer

1. Record time taken to spray 100m using water
2. Record amount of water sprayed into jug in 1 minute
3. Measure spray width with nozzle held at comfortable height

### 1. Record Information In Boxes

Seconds Taken To Walk 100m

.....

Flow Rate in Litres (L)

.....

Spray Width In Meters (m)

.....

### 2. Convert Walking Speed Into Kilometres Per Hour (km/h)

360

÷

Seconds Taken To Walk 100m

.....

=

Walking Speed In (km/h)

.....

### 3. Calculate Volume Sprayed Per Hectare

600

X

Flow Rate In Litres (L)

.....

÷

Spray Width In Meters (m)

.....

÷

Walking Speed (km/h)

.....

=

Volume Sprayed Per Hectare (l/ha)

.....

### 4. Calculate Area To Be Sprayed

Length In Meters (m)

.....

X

Width In Meters (m)

.....

=

1) Area In Square Meters (m<sup>2</sup>)

.....

### 5. Calculate Total Amount of Water for Area

Area In Square Meters (m<sup>2</sup>)

.....

÷

Size Of Hectare 10,000m<sup>2</sup>

10000

X

Volume Sprayed Per Hectare (l/ha)

.....

=

Total Amount of Water Needed

..... Litres

## 6. Calibrate Amount of Concentrate For Area

Area In Square Meters (m <sup>2</sup> ) .....	÷	Size Of Hectare 10,000m <sup>2</sup> <b>10000</b>	X	Concentrate Required For 1 Hectare (ha) .....	=	Total Amount Of Concentrate Needed ..... Litres
--	---	---	---	--	---	--

## 7. Calculate Amount Of Water Needed For Area

Total Amount of Water Needed For Area (L) ..... Litres	-	Amount Of Concentrate Needed For Area (L) ..... Litres	=	Amount Of Water Needed For Area (L) ..... Litres
---	---	---	---	---

To Convert To Millilitres Multiply By 1000 -----..... Litres (L) x 1000 = ..... Millilitres (ml)

To Convert To Acres Divide By 2.47

For more information on products and prices visit us at [www.agrigem.co.uk](http://www.agrigem.co.uk) or to speak to one of our BASIS qualified representatives please call us on 0845 2870768

Got a smart phone? Scan me!



Proprietor: Agrigem Ltd. Registered in England No. 8257545

Registered office: 4 Laing Close, Bardney, Lincoln, LN3 5XS

Vat Reg no: 154576686 Email: [sales@agrigem.co.uk](mailto:sales@agrigem.co.uk)