

Boom Sprayer Applicator 5N1797 CALIBRATION CALCULATION SHEET

ONLY FILL IN THE RED BOXES

THE GREEN BOXES AUTO CALCULATES

NOTE:

Sprayer Application Rate = Volume Rate L/Ha or Kg/Ha

Pesticide Dose Rate = Pesticide Application Rate L/Ha or Kg/Ha

NB:

NEVER CHANGE INFO IN THE YELLOW BOXES

Pass mouse over red boxes to bring up useful notes to help you

Make a note of the actual sprayer name and nozzle and date of calibration process

Calculate your Forward Speed formula: $360 \div \text{Time in seconds over 100 metre run}$

| | | | | | |
|-----|------------|----------------|---|-----|-------|
| | | TIME TO TRAVEL | | | SPEED |
| | | 100M | | | IN |
| 360 | DIVIDED BY | 60 | = | 6.0 | KPH |
| | | SECONDS | | | |

1. To Calculate The Recommended Forward Speed

| | | | | | | | | |
|-----|---|-------------------|------------|----------------|------------|------------------|---|-------------------|
| | | NOZZLE OUTPUT | | NOZZLE SPACING | | APPLICATION RATE | | RECOMMENDED SPEED |
| | | IN | | IN | | IN | | IN |
| 600 | X | 2.0 | DIVIDED BY | 0.5 | DIVIDED BY | 300 | = | 8.0 |
| | | LITRES PER MINUTE | | METRES | | LITRES/HECTARE | | KPH |

2. Sprayer Application Rate per Hectare

This tells how much you will put out per hectare input your speed and nozzle output

| | | | | | | | | |
|-----|---|-------------------|------------|-------|------------|----------------|---|---------------------|
| | | NOZZLE OUTPUT | | SPEED | | NOZZLE SPACING | | SPRAYER APPLICATION |
| | | IN | | IN | | IN | | RATE PER HECTARE |
| 600 | X | 2.0 | DIVIDED BY | 8.0 | DIVIDED BY | 0.5 | = | 300 |
| | | LITRES PER MINUTE | | KPH | | METRES | | LITRES/HECTARE |

3. How much Pesticide do I require per Tank

| | | | | | | |
|----------------|---|---------------|------------|------------------|---|-----------|
| | | TANK CAPACITY | | APPLICATION RATE | | PESTICIDE |
| | | IN | | IN | | PER TANK |
| 3.0 | X | 400 | DIVIDED BY | 300 | = | 4.0 |
| LITRES/HECTARE | | LITRES | | LITRES/HECTARE | | LITRES |

4: Nozzle Output (This Calculates nozzle output you require for your speed)

| | | | | | | |
|----------------|---|-------|---|----------------|------------|---------------|
| | | SPEED | | NOZZLE SPACING | | NOZZLE OUTPUT |
| | | IN | | IN | | IN |
| 300 | X | 8.0 | X | 0.5 | DIVIDED BY | 600 |
| LITRES/HECTARE | | KPH | | METRES | | LITRES/MIN |