



Spray plan completed by: \_\_\_\_\_

**Sprayer Set Up Record / Sprayer Operation Procedure**

|                                                                                              |                                        |          |
|----------------------------------------------------------------------------------------------|----------------------------------------|----------|
| Operator                                                                                     | Spray Hub Plan Case 44540              |          |
| Description of rig                                                                           | Case 4450                              |          |
| Location, Date                                                                               |                                        | Nov-25   |
| Product or products                                                                          | Summer                                 |          |
| Target pest(s)                                                                               |                                        |          |
| Droplet size recommendation per label or agronomist                                          | VC                                     |          |
| Water rate l/ha (minimum recommended)                                                        | 70                                     | L/ha     |
| Determine average speed you wish to travel                                                   | 27                                     | km/hr    |
| Spray zone awareness hazards of a sensitive nature/buffer zone                               |                                        |          |
| Boom nozzle spacing (W) in metres                                                            | 0.508                                  | metre    |
| Total boom width                                                                             | 36.5                                   | metre    |
| No. of nozzles on boom                                                                       | 72                                     | nozzles  |
| <b>Litres per minute per nozzle</b> = km/hr x W (nozzle spacing in metres) x litres/ha ÷ 600 |                                        |          |
|                                                                                              | L/min/nozzle                           |          |
| 1.6002                                                                                       | Refer to nozzle chart record selection |          |
|                                                                                              | Nozzle Size                            | Pressure |
|                                                                                              | •                                      | •        |
|                                                                                              | •                                      | •        |
|                                                                                              | •                                      | •        |
| Nozzle code selected                                                                         | TTI60-11004 RED                        |          |
|                                                                                              | SELECT                                 |          |
| Droplet Size                                                                                 |                                        |          |
| Pressure range                                                                               |                                        |          |

Step 1



Adapter Wilger to Tee Jet



Total No. of Nozzles \_\_\_\_\_

| Combination of Nozzles |          |          |
|------------------------|----------|----------|
| Twin cap               | Nozzle 1 | Nozzle 2 |
| Dual Line              | Line A   | Line B   |
| Spray quality          |          |          |

W = nozzle spacing (in metres) for broadcast spraying

or

W = spray width (in metres) for single nozzle brand spraying or boomless spraying

or

W = row spacing (in metres) divided by the number of nozzles per row for directed spraying

**Minimum****Constant****Maximum**

|                                |      |      |      |      |      |      |
|--------------------------------|------|------|------|------|------|------|
| Spray quality as per ISO 25358 | VC   |      | VC   |      | VC   |      |
| Pressure as per nozzle chart   | 4    |      | 4    |      | 4    |      |
| Litres per minute/nozzle       | 0.91 | 1.09 | 1.27 | 1.46 | 1.64 | 1.82 |
| Duty cycle %                   | 50%  | 60%  | 70%  | 80%  | 90%  | 100% |

Step 2

**Kilometres/hour**

= Litres per minute per nozzle x 600 ÷ litres sprayed hectare ÷ width (nozzle spacing in metres)

|            |           |           |             |             |             |             |
|------------|-----------|-----------|-------------|-------------|-------------|-------------|
| Speed km/h | 15.354331 | 18.425197 | 21.49606299 | 24.56692913 | 27.63779528 | 30.70866142 |
|------------|-----------|-----------|-------------|-------------|-------------|-------------|

**Litres/hectare**

= Litres per minute per nozzle x 600 ÷ width (nozzle spacing in metres) ÷ kilometres per hour

|                  |    |    |    |    |    |    |
|------------------|----|----|----|----|----|----|
| Litres / hectare | 70 | 70 | 70 | 70 | 70 | 70 |
|------------------|----|----|----|----|----|----|

**Final Check****Sprayer Operation Rules**

Pressure 1 bar = 100 kpa = 14.5psi

**Panel Settings****Minimum / Buffer Zone****Constant****Maximum**

|                                            |           |           |             |             |             |             |
|--------------------------------------------|-----------|-----------|-------------|-------------|-------------|-------------|
| <b>Total litres per minute all nozzles</b> |           |           |             |             |             |             |
| Litres/minute/nozzle x number of nozzles   | 65.52     | 78.624    | 91.728      | 104.832     | 117.936     | 131.04      |
| Speed km/h                                 | 15.354331 | 18.425197 | 21.49606299 | 24.56692913 | 27.63779528 | 30.70866142 |
| Pressure in bar                            | 4         |           | 4           |             | 4           |             |
| Spray quality as per ISO 25358             | VC        |           | VC          |             | VC          |             |