



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

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

|                                                                                                                                                    |                             |                                 |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------------------------|
| Operator                                                                                                                                           | Spray Hub Plan Tier Sprayer |                                 |
| Description of rig                                                                                                                                 | Gold Acres G6               |                                 |
| Location, Date                                                                                                                                     |                             | Oct-25                          |
| Product or products                                                                                                                                | Summer 2,4-D                |                                 |
| Target pest(s)                                                                                                                                     |                             |                                 |
| Droplet size recommendation per label or agronomist                                                                                                | XC-VC                       |                                 |
| Water rate l/ha (minimum recommended)                                                                                                              | 80                          | L/ha                            |
| Determine:                                                                                                                                         |                             |                                 |
| Minimum speed you wish to                                                                                                                          | 10.2                        | km/hr                           |
| Constant speed you wish to                                                                                                                         | 25                          | km/hr                           |
| Maximum speed you wish to                                                                                                                          | 26.7                        | km/hr                           |
| Boom nozzle spacing (W) in metres                                                                                                                  | 0.5                         | metre                           |
| Total boom width                                                                                                                                   | 36.5                        | metre                           |
| No. of nozzles on boom                                                                                                                             | 73.5                        | nozzles                         |
| <b>Litres per minute per nozzle</b> = km/hr x W (nozzle spacing in metres) x litres/ha ÷ 600<br><div style="text-align: right;">L/min/nozzle</div> |                             |                                 |
| Minimum                                                                                                                                            | Constant                    | Maximum                         |
| 0.68                                                                                                                                               | 1.67                        | 1.78                            |
| Refer to nozzle chart record selections<br>Nozzle Siz Pressure<br>• •<br>• •<br>• •                                                                |                             |                                 |
| Nozzle code selected                                                                                                                               |                             | SELECT SELECT                   |
|                                                                                                                                                    |                             | SELECT TTI11001 TTI11002 YELLOW |
| Droplet Size                                                                                                                                       |                             |                                 |
| Pressure range                                                                                                                                     |                             |                                 |



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

| Combination of Nozzles |                         |                         |
|------------------------|-------------------------|-------------------------|
| 3TS                    | Nozzle 1 Quantity<br>73 | Nozzle 2 Quantity<br>74 |
| Dual Line              | Line A                  | Line B                  |
| Spray quality          |                         |                         |

W = nozzle spacing (in metres)  
for broadcast sprayingor W = spray width (in metres) for single  
nozzle brand spraying or boomless  
sprayingor W = row spacing (in metres) divided by  
the number of nozzles per row for  
directed spraying

|                                | Tier 1  |          |         | Tier 2  |          |         | Tier 3  |          |         |
|--------------------------------|---------|----------|---------|---------|----------|---------|---------|----------|---------|
|                                | Minimum | Constant | Maximum | Minimum | Constant | Maximum | Minimum | Constant | Maximum |
| Spray quality as per ISO 25358 | XC      | VC       | VC      | XC      | VC       | VC      | XC      | XC       | VC      |
| Pressure as per nozzle chart   | 4       | 5        | 6       | 4       | 5        | 6       | 3       | 4        | 5       |
| Litres per minute/nozzle       | 0.68    | 0.76     | 0.83    | 0.91    | 1.02     | 1.12    | 1.38    | 1.59     | 1.78    |
| Duty cycle %                   |         |          |         |         |          |         |         |          |         |

**Kilometres/hour**

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

|            |       |       |       |       |       |      |       |       |       |
|------------|-------|-------|-------|-------|-------|------|-------|-------|-------|
| Speed km/h | 10.20 | 11.40 | 12.45 | 13.65 | 15.30 | 16.8 | 20.70 | 23.85 | 26.70 |
|------------|-------|-------|-------|-------|-------|------|-------|-------|-------|

**Litres/hectare**

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

|                |    |    |    |    |    |    |    |    |    |
|----------------|----|----|----|----|----|----|----|----|----|
| Litres/hectare | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
|----------------|----|----|----|----|----|----|----|----|----|

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

Pressure 1 bar = 100 kpa = 14.5psi

| Panel Settings                           | Tier 1 |       |       | Tier 2 |       |       | Tier 3 |         |        |
|------------------------------------------|--------|-------|-------|--------|-------|-------|--------|---------|--------|
| Total litres per minute all nozzles      | 49.64  | 55.48 | 60.59 | 67.34  | 75.48 | 82.88 | 101.43 | 116.865 | 130.83 |
| Litres/minute/nozzle x number of nozzles |        |       |       |        |       |       |        |         |        |
| Speed km/h                               | 10.20  | 11.40 | 12.45 | 13.65  | 15.30 | 16.8  | 20.7   | 23.85   | 26.7   |
| Pressure in bar                          | 4      | 5     | 6     | 4      | 5     | 6     | 3      | 4       | 5      |
| Spray quality as per ISO 25358           | XC     | VC    | VC    | XC     | VC    | VC    | XC     | XC      | VC     |