

**Fertiliser Applicator Calibration: Calculator Field Sheet**

**TEST DETAILS**

|  |  |  |
| --- | --- | --- |
| **Date** |  |  |
| **Assessor** |  |  |
| **Site** |  |  |
| **Test Number** |  |  |
| **Client** |  |  |
| **Address 1** |  |  |
| **Address 2** |  |  |
| **Address 3** |  |  |

**VEHICLE DETAILS**

|  |  |  |
| --- | --- | --- |
| **Vehicle** |  |  |
| **Registration #** |  |  |
| **Engine speed** |  | rpm |
| **PTO speed** |  | rpm |
| **Travel Distance** |  | m |
| **Travel Time** |  | sec |
| **Travel Speed** |  | km/h |

**SPREADER DETAILS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Brand** |  | |  |
| **Model** |  | |  |
| **Spreader type** |  | |  |
| **Condition** |  | |  |
| **Age** |  | |  |
| **Discharge height** |  | | m |
| **Spinner Revs** |  | |  |
| **Door** |  | |  |
| **Vanes** |  | |  |
| **Bout width** |  | | m |
| **Spread Width** |  | | m |
| **Adjacent bouts** | Round+Round | To+Fro | |

**FERTILISER**

|  |  |  |  |
| --- | --- | --- | --- |
| **Fertiliser Type** | Nitrogen | Non-Nitrogen | |
| **Fertiliser** |  | |  |
| **Target Rate** |  | | kg/ha |
| **Fertiliser Density** |  | | kg/L |
| **Sieve Size (mm)** | % of Particles | | |
| **Pan** |  | | |
| **0.5** |  | | |
| **1.0** |  | | |
| **1.9** |  | | |
| **2.9** |  | | |
| **3.7** |  | | |
| **4.7** |  | | |
| **5.8** |  | | |
| **7** |  | | |
| **Sum** |  | | |
| **Size Guide Number** | | | |
| **Uniformity Index** | | | |

**RATE CALCULATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **Target fert/m run** | Target rate x bout width  10,000 | | kg/m |
| **Fertiliser caught** |  | | kg |
| **Time catching** |  | | sec |
| **Fertiliser Flow rate** | Fertiliser Caught  Time Catching | | kg/min |
| **Target travel speed** | Fert Flow Rate  Target/m run | X 60 1000 | km/h |

**MISCELLANEOUS**

|  |  |  |
| --- | --- | --- |
| **Wind Speed** |  | m/s |
| **Wind Angle to Travel** |  | deg |
| **Tray Size** |  | m2 |
| **Tray Spacing** |  | m |
|  |  |  |

**CATCH DETAILS Run Number:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Tray** | | **Dist from Centre** | **Weight** |
| LEFT | -20 |  |  |
| -19 |  |  |
| -18 |  |  |
| -17 |  |  |
| -16 |  |  |
| -15 |  |  |
| -14 |  |  |
| -13 |  |  |
| -12 |  |  |
| -11 |  |  |
| -10 |  |  |
| -9 |  |  |
| -8 |  |  |
| -7 |  |  |
| -6 |  |  |
| -5 |  |  |
| -4 |  |  |
| -3 |  |  |
| -2 |  |  |
| -1 |  |  |
|  | 0 |  |  |
| RIGHT | 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |
| 7 |  |  |
| 8 |  |  |
| 9 |  |  |
| 10 |  |  |
| 11 |  |  |
| 12 |  |  |
| 13 |  |  |
| 14 |  |  |
| 15 |  |  |
| 16 |  |  |
| 17 |  |  |
| 18 |  |  |
| 19 |  |  |
| 20 |  |  |

**CATCH DETAILS Run Number:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Tray** | | **Dist from Centre** | **Weight** |
| LEFT | -20 |  |  |
| -19 |  |  |
| -18 |  |  |
| -17 |  |  |
| -16 |  |  |
| -15 |  |  |
| -14 |  |  |
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| -3 |  |  |
| -2 |  |  |
| -1 |  |  |
|  | 0 |  |  |
| RIGHT | 1 |  |  |
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| 17 |  |  |
| 18 |  |  |
| 19 |  |  |
| 20 |  |  |