FIELD ID NO: ____________

IR-4 FIELD DATA BOOK

PART 6. APPLICATION RECORDS (may be used for field and greenhouse trials)

C.1. DISCHARGE CALIBRATION FOR APPLICATION NUMBER ____

INSTRUCTIONS: Complete a copy of this form (PHOTOCOPY IF NECESSARY) for additional times when a complete calibration or calibration-recheck of application equipment is required.

EQUIPMENT IDENTIFIER___________________________________________________________________________

DISCHARGE CALIBRATION DATE__________________________ PERFORMED BY_________________ (INITIALS)

APPROXIMATE TIME OF DAY THAT THE CALIBRATION WAS PERFORMED______________________________

LOCATION WHERE THE CALIBRATION WAS PERFORMED______________________________________________

INSTRUMENT USED TO MEASURE WATER (e.g. 100 ml graduated cylinder)________________________________

BRIEFLY DESCRIBE PROCEDURE USED TO CHECK DISCHARGE CALIBRATION __________________________

____________________________________________________________________________________________________

____________________________________________________________________________________________________

____________________________________________________________________________________________________

____________________________________________________________________________________________________

____________________________________________________________________________________________________

Instructions for recording Discharge Calibrations (6.C.2): Record time that applicator discharges and units measured. Collect output from each nozzle or hopper. Record this value in “RUN” row below the appropriate outlet. Calculate the total and average discharge for all the nozzles/outlets. Entry prompts have been provided for three discharge calibration runs. For each run, calculate the total output of all nozzles/outlets, the mean output per nozzle or outlet, and the total boom discharge rate in ml or grams per second. Also confirm whether the output of each nozzle or outlet during a run is within 5% of the mean output. If a recheck or confirmation of a target output is being performed, determine whether the results are within 5% of the full calibration or target. Enter all calculations on 6.C.1, below.

CALIBRATION CALCULATIONS:

ABOVE DATA ENTERED BY: ____________________________________________________ DATE: __________

PART 6 PAGE ___          Trial Year 2020

COMPLETE IF APPROPRIATE: “THIS IS A TRUE COPY OF THE ORIGINAL”
THE ORIGINAL IS IN IR-4 FIELD DATA BOOK NO. ____________ INITIALS _________ DATE __________
**PART 6. APPLICATION RECORDS (may be used for field and greenhouse trials)**

**EQUIPMENT USED FOR APPLICATION NUMBER(S) ____________**

**C2. INSTRUCTIONS:** Complete a copy of this form (PHOTOCOPY IF NECESSARY) for additional times when a complete calibration or calibration-recheck of application equipment is required. Units measured (eg. mL, grams): __________________

<table>
<thead>
<tr>
<th>RUN</th>
<th>TIME (sec)</th>
<th>PSI</th>
<th>Nozzle/hopper outlet number on boom (as indicated in 6B)</th>
<th>A</th>
<th>B</th>
<th>C</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Total (required)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Average (optional)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Indicate whether discharge rate is calculated for: (Check one) Total Boom Volume___ Mean Nozzle Volume___

Was this a recheck of discharge calibration or a 3-run target check? (Check one) YES_____ NO_______
If yes, were results within 5% of original calibration or target output? YES_____ NO_______

If this is a 3-discharge calibration run or a 3-run target check, is each boom discharge rate (C) within 5% of the mean? YES_____ NO_____ NA_____ 

Are individual nozzle outputs within 5% of the mean during each run? YES_____ NO_____ NA_____ 

An output consisting of an average of three runs or a target output may be used when calculating the sprayer output and amount of test substance to use. If this is a 1-discharge recheck, then the results of the original calibration must be used. If the output result of the recheck is more than 5% different than the original calibration result, then two more runs are needed to produce a new, full calibration. The original calibration data, or a true copy, must be in this field data book.

**ABOVE DATA ENTERED BY:** ______________________________________________________ DATE: __________

**PART 6 PAGE ___**

**Trial Year 2020**

**COMPLETE IF APPROPRIATE: “THIS IS A TRUE COPY OF THE ORIGINAL”**

**THE ORIGINAL IS IN IR-4 FIELD DATA BOOK NO. ___________ INITIALS _______ DATE _______**