FIELD ID NO:	

PART 6. APPLICATION RECORDS-GREENHOUSE TRIALS

A. EQUIPMENT			
INSTRUCTIONS: Complete a separate form for each piece	ce of test substance a	pplication equipment used	d in the trial.
EQUIPMENT USED FOR APPLICATION NUMBER(S	S)		
EQUIPMENT IDENTIFIER ¹		fying name or code	
APPLICATION EQUIPMENT TYPE (Check one) WAI OTHER (Describe)			
PROPELLANT (Check one) CO ₂ CON OTHER (Describe)			
TYPE OF APPLICATION (Check one)			
FOLIAR BROADCAST FOLIAR DIRECTED_ OTHER (Describe)			(SOIL)
NUMBER OF PASSES THAT ARE NEEDED TO TREA			 -
NUMBER OF NOZZLES OR HOPPER OUTLETS USED)		
MESH SIZE USED IN THE STRAINERS		BETWEEN NOZZLES ER OUTLETS	
NOZZLE BRAND/TYPE/SIZE (e.g. T-Jet 8004, even flat	fan)		
TREATED AREA ²			
² Calculated width of nozzle discharge pattern (CV For a broadcast application, CWNDP = (# of noz nozzles X swath per nozzle. If application is folian sprayed or treated; treated row width may differ parrower than local commercial practices. In this local commercial row width, and an explanation contact the Study Director if guidance is needed.	zzles X nozzle spacin r directed enter treat from actual row widt is circumstance, the a should be included o	g). For a banded applica ed row width X # of rows th when the actual row wid application rate should be	tion, CWNDP = # of X length of plot dth is wider or calculated using a
DOES AREA USED FOR APPLICATION RATE CALCS	S. = PLOT AREA (fr	rom Parts 5C/5D)? YES_	NO
(For foliar directed and soil directed applications, check "Y the actual row width on the research plot. This prompt is in IF NO, PLEASE EXPLAIN:	ntended to help data	reviewers calculate the ra	
A DOVE DATA ENTEDED DV.		DATE	
ABOVE DATA ENTERED BY:			
PART 6 PA		ırıaı	Year 2022
Total number of pages in this section at initial pa			
COMPLETE IF APPROPRIATE: "THIS IS A TRUE COPY	Y OF THE ORIGINAL		

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3) Application pattern in	let placement in relation to crop n relation to crop r hopper outlet a unique number		
1) Relative location and	d items in the sketch or image: I size of the target crop		
	eparate form for each piece of test substance apport totograph or other image of application equipmen		Sketch a
EQUIPMENT USED FOR APP	PLICATION NUMBER(S)		
B. DIAGRAM OF APPLICATI	ION EQUIPMENT		

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PART 6. APPLICATION RECORDS-GREENHOUSE TRIALS

C. DISCHARGE CALIBRATION FOR APPLICATION NUMBER ____

INSTRUCTIONS: Use this form when conducting full (3-run) calibrations or rechecks. If conducting a recheck, please provide calculations to verify that the output is within $\pm -5\%$ of the most recent full calibration.

If you are conducting a 3-run target check, please use the target check form provided on the IR-4 website.

EQUIPMENT IDENTIFII	ER						
DISCHARGE CALIBRA	ΓΙΟΝ Ι	DATE	TIME		PERFORM	ED BY	(INITIALS
LOCATION WHERE TH	E CAL	LIBRATION WA	AS PERFORMED _				
INSTRUMENT USED TO) MEA	ASURE WATER	(e.g. 100 ml gradua	ted cylinder	·)		
BRIEFLY DESCRIBE PR	COCEI	OURE USED TO	CHECK DISCHAR	GE CALIB	RATION_		
PRESSURE (psi)			UNIT	S (e.g. ml,	grams)		
Output Run Num	ber	1	2	3			
Nozzle/Hopper	1					Is this	a recheck?
Outlet Number	2					**	
Along Boom	3						S
(If more than 6 nozzles, use the alternate form	4					No)
Part-6C. Large Boom	5						
provided on the website.)	6					Total	
Total Boom Vol	ume				A		
Mean per nozzle or o	utlet				В		
Time (seco	nds)				С		
Discharge	Rate				Ave	erage	
					Discharge Rate* D Nozzle Volume *(A or B)/C=D		
*Indicate whether discharge i	rate is c	alculated for: Tota	l Boom Volume	Mean Nozzl	e Volume	*	F(A or B)/C=D
Is the discharge rate of o					YES	_ NO	NA
Are individual nozzle or	utputs	within 5% of t	he mean during ea	ch run?	YES	_ NO	NA
If this is a recheck, are 1	esults	within 5% of o	original output?		YES	_ NO	NA
ABOVE DATA ENTERE	D BY:					DAT	E:
		PA	RT 6 PAGE			Tria	l Year 2022
COMPLETE IF APPROPRI THE ORIGINAL IS IN IR-4				RIGINAL" _ INITIALS		DATE	

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D. SPEED CA	LIBRATION I	FOR APPLIC A	ATION NUMBI	ER(S)			
	NS: Complete a uipment is requ		for additional tir	nes when a comp	lete calibration or	calibration-	recheck of
EQUIPMENT	IDENTIFIER_						
SPEED CALIF	BRATION DAT	ΓE	TIME	PERFOR	MED BY	(IN	ITIALS)
TERRAIN OF	CALIBRATIO	N TRACK (e.g	g., tilled field)				
LOCATION W	WHERE THE C	ALIBRATION	WAS PERFOR	MED			
BRIEFLY DES	SCRIBE PROC	EDURE USED	FOR SPEED C	ALIBRATION _			
GEAR	RPM		LENGTH OF T	EST TRACK (in	clude units)		
setting used in was tested to d additional runs	the speed calib etermine speed s. If this is a re (one run) is re	ration. Indicat (e.g. speed of a check, calculate quired wheneve	e the distance (in application equip e the result is with e r an output rec l	n feet or meters) o oment tested for 10 thin 5% of the ori	Cappropriate, note of the track on whice of the track on whice of the track on whice of the track of the trac	ch the applic opts have be Show all ca	cation equipment en provided for 2 elculations. A
RUN#	1	2	3	TOTAL	AVERAGE		T OR ORIGINAL BRATION TIME
TIME (sec)							
CALCULATIO	ONS:						
IF YES, WERI		TTHIN 5% OF	BRATION? ORIGINAL CA must be in this f		(Check one) YE		NO NO
full speed calib WAS THIS A	oration must be CHECK OF A	conducted, and TARGET SPE	the mean of the	three runs must b	e mean of three runs e within 5% of the (Check one) YE	target speed	d.
ABOVE DATA	ENTERED BY	:				DATE:	
			PART 6 PAG	E		Trial Ye	ar 2022
COMPLETE IF		: "THIS IS	A TRUE COPY O	F THE ORIGINAL INITIAL		ATE	

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ABOVE DATA ENTERED BY:	DATE:
PROTOCOL SPECIFIED SPRAY VOLUME (from Part 15, in gallons per acre or Enter "NA" if a spray volume is not applicable.	· liters per hectare):
CALCULATIONS:	
TROCEDURE/TORNIOLA.	
PROCEDURE/FORMULA:	
same equipment, and have performed a recheck to confirm the result of the full can from the application equipment. Briefly describe the procedure, including formula calibration. Show all calculations and units. Equations used in electronic (complet transcribed or printed out and attached here.	libration. Determine the rate of delivery as used to determine delivery rate
E. DELIVERY RATE CALIBRATION FOR APPLICATION NUMBER(S)	
PART 6. APPLICATION RECORDS-GREENHOUSE TRIALS	

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F. VOLUME. MIXING AND DILUTION CALCULATIONS FOR APPLICATION NUMBER(S	F.
--	----

INSTRUCTIONS: Complete a separate form for each application, unless there are no changes in multiple applications. Show all calculations, formulas, and results below, and define units of measure. Equations used in electronic (computer software) calculations in this trial must be transcribed or printed out and attached here.

ALCULATIONS ENTERED BY:		DATE:
		I STORAGE AREA TO LOCATION OF TAN urried during transport to greenhouse site" or
IXING (E.g.: "Test substance held se Tank mix prepared within walking dist	ecurely in an insulated cooler hand-co tance of the chemical storage building	urried during transport to greenhouse site" or
IXING (E.g.: "Test substance held se Tank mix prepared within walking dist	ecurely in an insulated cooler hand-co tance of the chemical storage building	urried during transport to greenhouse site" or ")
IXING (E.g.: "Test substance held se Tank mix prepared within walking dist	ecurely in an insulated cooler hand-co tance of the chemical storage building	urried during transport to greenhouse site" or ")

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PART 6. APPLICATION RECORDS-GREENHOUSE TRIALS

G. APPLICATION INFORMATION FOR **APPLICATION NUMBER** ____ APPLICATION DATE_ INSTRUCTIONS: Complete a separate form for each application date and for each treatment on one application date (use the *Treatment Number as indicated in the protocol).* TRT Number NUMBER OF DAYS SINCE TIME OF ADDITIONAL PREVIOUS APPLICATION AGITATION (if applicable) TEST SUBSTANCE e.g. "10:00" or "continuous" or "just prior BATCH/LOT NUMBER to application" TIME MIXED/BY WHOM1 TIME APPLIED/BY WHOM1 **EOUIPMENT IDENTIFIER** APPLICATION TYPE³ (e.g., foliar broadcast, soil directed) MEASURING EQUIPMENT with INCREMENTS* TANK MIX AMOUNTS CARRIER (starting volume of water) **VOLUME of WATER REMOVED** from starting volume (if applicable) TEST SUBSTANCE (formulated product) **ADJUVANT** TOTAL VOLUME OF TANK MIX *e.g. 1000 mL grad. cylinder/10 mL incr. ORDER IN WHICH ITEMS WERE NOZZLE DISTANCE from TARGET ADDED TO SPRAY MIXTURE* W=Water, TS=Test Substance, PSI AT BOOM A=Adjuvant *e.g. 1-W, 2-TS, 3-A, 4-W CARRIER SOURCE/TYPE CARRIER pH/TEMPERATURE EQUIPMENT used to MEASURE pH 1 The identity of the person that performed this task may be entered by the person entering the rest of the data on this page. Initials are acceptable for identification. ² If application type for this application is different than what is indicated in Part 6A, then a new 6A must be completed. WERE THE TREATED PLANTS MOVED TO ANOTHER ROOM OR PROTECTED AREA FOR SPRAYING? YES____ NO____ IF YES, IDENTIFY LOCATION: __ ABOVE DATA ENTERED BY: _____ DATE: ____

FIELD ID NO:	
--------------	--

Enter data DAMP_	in this column	ı
Enter data	in this column	l .
DAMP_	DDV	
	_ DRY	NA
	o F	oC_
OPEN	_ CLOSED_	NA
	°F	oc_
	INCHES	cm
I	DATE D IDENTIFY	OPEN CLOSED_

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ABOVE DATA ENTERED BY: _______DATE: _____

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PART 6. APPLICATION RECORDS-GREENHOUSE TRIALS

PASS NUMBER TIME DIRECTION PASS NUMBER 1 1 1 2 2 2 3 3 3 4 4 4 5 5 5 6 6 6 7 7 8 8 8 8 9 9 9 10 10 11 11 11 11 12 12 12	REATMENT				
1 1 2 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 10 10 11 11	TIME	TREATMENT			
2 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 10 10 11 11	THVIL	DIRECTION			
3 3 4 4 5 5 6 6 7 7 8 8 9 9 10 10 11 11					
4 4 5 5 6 6 7 7 8 8 9 9 10 10 11 11					
5 5 6 6 7 7 8 8 9 9 10 10 11 11					
6 6 7 7 7 8 8 8 9 9 10 10 11 11					
7 7 8 8 8 9 9 10 10 11 11					
8 8 9 9 10 10 11 11					
9 9 10 10 11 11					
10 10 11 11					
11 11					
12					
12					
TOTAL PASS TIME					
ABOVE DATA ENTERED BY:	DATE:				
PROVIDE A BRIEF NARRATIVE SUMMARY OF THE APPLICATION AND IDENTII					
(E.g. "Test substance was applied to the treated plot in two passes; one pass down each side. Each pass was applied to the potted plants with the boom held vertically so that the s					
If YES, then contact the Study Director as soon as possible.	NO				
APPLICATION WAS MADE BY: NARRATIVE ENTERED BY					

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PART 6. APPLICATION RECORDS-GREENHOUSE TRIALS
J. POST APPLICATION RATE CONFIRMATION FOR APPLICATION NUMBER
APPLICATION DATE
CALCULATION OF ACTUAL APPLICATION RATE AND SPRAY VOLUME - Show all calculations and label all units. If a target rate was used for the pre-application calculations, the data from the calibration (average of 3 outputs) must be used for calculating the application rate. Convert this amount to the amount applied per acre (or hectare), and determine deviation from target application in the protocol, rounded to the nearest whole percent.
EXAMPLE FORMULAS: The formulas below may be used to calculate the amount of test substance (TS) applied per acre as required in Part 6I. Other formulas may be used instead; however, it is not sufficient to merely compare the actual pass times to the "practice" pass times. 1) Total Pass Time x Discharge Rate = Volume of Tank Mix applied to Plot 2) Volume of Tank Mix applied to Plot x Amount of TS in Tank Mix = Amount of TS applied to Plot
Total Volume of Tank Mix 3) Amount of TS applied to Plot v 43 560 sq ft per core — Amount of TS applied per core
3) Amount of TS applied to Plot x <u>43,560 sq ft per acre</u> = Amount of TS applied per acre Plot area treated in sq ft
4) Volume of Tank Mix applied to Plot x $\frac{1 \text{ gallon}}{3785 \text{ ml}}$ x $\frac{43,560 \text{ sq ft per acre}}{1000 \text{ Plot area treated in sq ft}} = Spray Volume in gallons per acre (GPA)$
%DEVIATION FROM THE PROTOCOL RATE SHOULD BE ROUNDED LIKE THIS: -5% OR THIS: +10% ************************************
DISCHARGE RATE (ml/sec or g/sec):
ACTUAL AREA TREATED (swath width or treated row or bed width x # of passes x length of plot): Note: Use bed width for plots with multi-row beds.

WAS ACTUAL APPLICATION RATE WITHIN -5% TO +	-10% OF PROTOCOL RATE?
(Check one) YES NO	IF NO, Contact the Study Director immediately.
WAS ACTUAL SPRAY VOLUME WITHIN THE PROTO	
(Check one) YES NO NA	IF NO, Contact the Study Director immediately.
ABOVE DATA ENTERED BY:	DATE:
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K. POST TREATMENT RECORDS FOR APPLICATION NUM	MBER	
APPLICATION DATE		
Was There Any Visible Phytotoxicity? (Check one) YES	NO	
If YES, fill in the box below* (or 6P if required by the protocol) at Provide a detailed description and if possible email pictures.	nd contact the Study Director.	
Is a phytotoxicity rating required in the protocol? (Check one) YES NO	
If YES, fill in the box below* (or 6P if required by the protocol).		
Date Crop Was Observed:		
*Alternatively, a separate sheet with a description of the phytotoxi	city may be inserted at the back	k of Part 6.
DESCRIPTION OF PHYTOTOXICITY SYMPTOMS:		
PHYTOTOXIO	CITY DESCRIBED BY:	(Initials/date)
DATE STUDY DIRECTOR WAS CONTACTED:	CONTACTED BY:	(Initials/date)
included in Part 9 <u>unless otherwise indicated on this page</u> . If irrig substance, or if the test substance is applied by irrigation, then "NONE BEFORE HARVEST" or "NONE BEFORE SAMPLI	that event should be recorde	ed below.
TYPE OF IRRIGATION (e.g. overhead, trickle, flood)		
DATE OF FIRST IRRIGATION AF	TER THIS APPLICATION	
TIME AFTER APPLICATION THAT PLOTS WERE EXPOSED	TO FIRST IRRIGATION	DAYS
(Check DAYS or HOURS) (Enter #hours if first irrigation was <u>on</u>	the date of application.)	HOUDG
		HOURS
	AMOUNT OF WATER Check INCHES, mm, or mL)	INCHES mm mL
IRRIGATION INFORMATION RECORDED BY(Initials/date)		INCHES mm
<u> </u>	Check INCHES, mm, or mL)	INCHES mm mL
IRRIGATION INFORMATION RECORDED BY(Initials/date)	Check INCHES, mm, or mL)	INCHES mm mL
IRRIGATION INFORMATION RECORDED BY(Initials/date)	Part 9, explain:	INCHES mm mL

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PART 6. APPLICATION RECORDS

TAKI). A	FILICATION RECORDS
L. DIFFI	ERE	ENTIATION OF MULTIPLE TRIALS CONDUCTED IN CLOSE PROXIMITY*
Are yo	u co	onducting more than one trial in this study? YES NO
		field research director in this study conducting ain 30 kilometers (18.6 miles) of your trial(s)? YES NO
If "NO	" is	checked twice, then no other input is needed except for signing and dating at the bottom of each page.
		s checked at least once, then an independently prepared tank-mix must be used in each trial, except in which this is not applicable such as studies with granular formulations.
In ord	er t	o differentiate these trials, select one option from the list below.
that ha	ve t	re trials in this study cannot be differentiated by the same options, then you should check all options been used, and explain below which options are differentiating between which trials.
why th fruit. V	ese Vari	t crop varieties are being used as a differentiation option, then enter below information that explains varieties were chosen. Examples: Variety A produces large fruit, whereas Variety B produces small ety A produces fruit with a smooth skin, whereas Variety B produces fruit with a rough skin. Variety by foliage that shields the commodity, whereas Variety B has light foliage that exposes the commodity
If option below.		are used that are listed in the protocol but are not listed in the table below, then enter descriptions
person	or	nducted in different calendar years are exempt from these requirements. (If separate trials by the same within 30 km are conducted in late fall/early winter, then the differentiation options should be used to possibility of data rejection by a regulatory agency.)
	the	options used to differentiate the trials that you are conducting in this study:
Option	$\sqrt{}$	Description
A B		Trial sites must be separated by at least 30 km (18.6 miles) [measured as straight line distance]
С		Planting date (for annual crops) or first application date in each trial is separated by at least 30 days Different crop variety (different size or shape at maturity, rough vs. smooth surface, different amount of foliage shielding the commodity, different rate of growth)—confirm with Study Director if this option will be chosen
		of other trials in this study to which these options are being applied: w any additional information that will improve the understanding of the options that have been chosen:

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M. APPLICATION EQUIPMENT MAINTENANCE AND REPAIR LOG

INSTRUCTIONS: Complete this form or attach true copies of maintenance logs. Provide dates and a brief description of maintenance and repair work completed on the application equipment relevant to this trial. Date and initial all entries.

APPLICATION EQUI	PMENT II	DENTIFIE	ER		
EQUIPMENT USED I	FOR APPI	LICATIO	N NUMI	BERS	
INITIALS/DATE					
Initials and Date	Was Mair or Repair (Check or Yes	routine?	SOP#	Description	
	100	110	50111	Description	
¹ If non-routine,	include in	the descrip	otion the	nature of the defect, when discovered,	and the action taken.
			PART	6 PAGE	Trial Year 2022
COMPLETE IF APPROI				COPY OF THE ORIGINAL" INITIALS	DATE