IR-4 Western Region Training Webinar: May 4th 11:00 am – 12:00 pm Pacific Time



Western Region Training Webinar: May 4th

- Differences between IR-4 and Canadian Trials
- eQA Migration to NC State
- Lab Notification of Sample Shipment
- Application Types and Equipment
- Sprayer Safety
- Feedback from QC



2 MH

Avast Ye Protocol Followers!

- The "Pirate Code" is more of a suggestion; IR-4's "Protocols" are not.
- IR-4 protocols list requirements that if not followed result in deviations



MH



RDFN and FDB Comparison

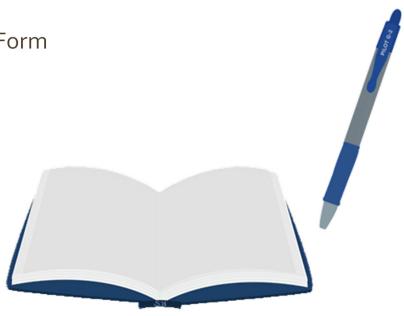
Northeast Region Field Coordinator's Office Marylee Ross (<u>mross@umd.edu</u>) & Megan James (<u>mjames14@umd.edu</u>)

WSR Training Webinar - May 4, 2021

Overview



- Review Terminology
- Protocol & FDB Delivery Process
- GLP Acceptance Form & Trial Tracking Form
- Raw Data Summary
- RDFN Cover Page
- Order of Book
- Weighing Test Substance
- Adjuvant Expiration
- Calculations & Calibrations
- Application Records



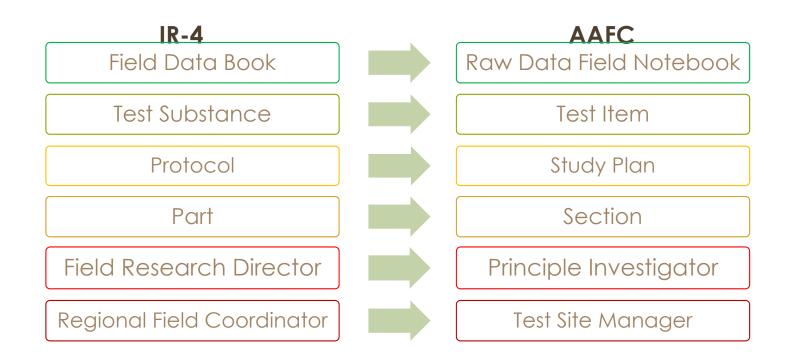


"Any work conducted in the USA will be conducted according to EPA Good Laboratory Practice standards, 40 CFR part 160, which are acceptable to OECD standards."

- Section 5, AAFC Pesticide Residue Study Plan

Terminology





Protocol & FDB Delivery



IR-4

RFC physically sends:

- GLP Acceptance Letter
- Signed Protocol
- Blank Field Data Book
- Self Addressed Blue Card

HQ physically sends:

Protocol Changes

AAFC

- Study Director electronically sends:
- Trial Tracking Form
- Signed Study Plan (with GLP Acceptance Form – Appendix A)
- Raw Data Field Notebook
- Study Plan Amendments

GLP Acceptance & Tracking



IR-4 GLP Acceptance Form



500 College Road East, Suite 201W Princeton, NJ 08540 732.932.9575 fax 609.514.2612

FROM: SUBJECT: Chemical/Crop PR# XXXXX

Field ID No: XXXXX.21-MDXXX

Thank you for agreeing to participate in the IR-4 Minor Use Research Program. We have assigned the above unique Field Identification Number for your phase of the study. Please use it on all correspondence, the IR-4 Raw Databook and other forms associated with this research. Please review your phase of the research protocol. <u>Mote, this</u> protocol may be different from prior versions. Please provide estimated research dates for the Master Timetable and sign the GLP Certification below.

First Application of Test Pesticide: Residue Samples Collected: Samples Transferred to Analytical Laboratory. Field Databook Completed by Field Research Director.

Protocol. The field research will be conducted in accordance with this protocol which reflects EPA's Good Laboratory Practice Standards. Timere acknowledge that written Standard Operating Procedures that have been properly approved by IR-4 management are available. Additionally, I will cooperate with the independent Quality Assurance Unit in scheduling needed inspections and documenting corrective actions taken.

Field Research Director (Date)

Return the original signed copy of this letter to your Regional/ARS Field Research Coordinator. If you have any tions contact your Regional/ARS Field Research Coordinator or me (732) 932-9575 ext 4637 or the study director.

Regional/ARS Field Research Coordinator IR-4 Quality Assurance Unit (Field)

IR-4 asks for tentative dates on **GLP** Acceptance Form, AAFC does not.

AAFC GLP Acceptance Form

AAFC PESTICIDE RESIDUE STUDY PLAN OXATHIAPIPROLIN + MANDIPROPAMID: MAGNITUDE OF THE RESIDUE ON CARROT STUDY #: AAFC21-003R

APPENDIX A

GLP Acceptance Form

Trial ID #: AAFC21-003	R	
and any amendments un 1997). Work conducted i standards, 40 CFR part standards. In addition, I	esearch for this trial will be conducteder the OECD GLP Principle of Goon the USA will be conducted according to the USA will be conducted according to the USA will be conducted according to the USA will be used to the USA	od Laboratory Practices (revision ing to EPA Good Laboratory Prac 989, which are acceptable to OE rance Personnel in scheduling
Principal Investigator:		
Printed Name	Signature	Date
Acknowledged by Test S	ite Manager:	
Printed Name	Signature	Date
The following Individual	or Company will be responsible for th	he Quality Assurance for this trial
Name of Quality Assurar	ice (Print)	

Form Completion and Return Instructions: At a minimum, the PI is to sign this form prior to performing any experimental work. Once the form has been completed, a copy of the form should be sent to the individual identified below, and copied to the Study Director. The original form should be retained in the RDFN or lab raw data

GLP Admin
AAFC Minor Use Pesticides Program
Building 57, Central Experimental Farm
960 Carling Avenue
Ottawa, ON, Canada
K1A 0C6
Email: aafc.glpadmin-adminbpl.aac@canada.ca

GLP Acceptance & Tracking

- IR-4 does not have a trial tracking form.
- Trial Tracking Form is to be continually updated and sent to SD and QA upon completion of GLP events.
- Original trial tracking form stays with the book.

TRIAL TRACKING FORM

Trial ID:

INSTRUCTIONS: This form is used to keep the Study Director (SD) and Quality Assurance (QA) informed of anticipated and completion dates for the listed activities. Scan and email this form to the SD and QA when all anticipated activities have been scheduled. Scheduled dates can be changed in the future if needed, but should be communicated to the SD and QA if significant changes occur (more than one week). After the first application is completed, scan and email this form to the SD, or simply email the SD within 48 hours to inform that the activity was completed. The same should be done once all the samples have been collected.

Study Director Name: _

Activity		Anticipated date	Initials & date	Completion date	Initials & date
Test Item received					
Trial site established					
	1				
	2	2			
Test Item	3				
applied (App. #)	4				
	5		80		
	6		2 - MAIO 2011 TOMBER 1911 - 17 - 17 TOMBER 1911 - 17 TOMB		
8	1				**
	2				
	3	55	4	6	
Harvest(s)	4		Ÿ		
	5				
	6				
Samples shipped to Lab					
RDFN shippe to QA	ed				



Raw Data Summary



AAFC RAW DATA FIELD NOTEBOOK

GENERAL INSTRUCTIONS INSTRUCTIONS FOR THE COMPLETION OF THE AAFC RDFN

Unon receipt of this Raw Data Field Notebook (RDFN), please read these instructions and mplete the appropriate section on the Chain of Custody form

This RDFN is designed for use in collecting data in the course of completing a field trial sponsored by AAFC that must be conducted in compliance with OECD's Good Laboratory Practice Guidelines. Inserts such as bills of lading need to have trial ID number and page numbers. This RDFN is an authentic record of your work.

- One copy of each form has been provided. However, some forms will require completion on various dates (e.g., application records must be completed for each application date), or there will not be enough non-ymate the appropriate number of photocopies of the formers.
- 2. FIELD DATA SUMMARY: In addition to the RDFN, an electronic summary must be completed for each trial. AAFC will provide Principal Investigators with a field data summary template. The electronic version of the summary should be drafted using the latest template available (not the trial year version, if older trial) and forwarded to the Study Director. SDs are responsible for drafting the summaries for trials conducted in the US. The summary will be idited by QA only once, at time of final report audit.
- Some diffarrequency.
 When this occurs, a verified true copy of the completed form can be made and inserted in other AAFC RDFNs. A verified true copy is made by marking on the copied page; "FHIS IS A TRUE COPY OF ORIGINAL", noting the location of the original, and then initialling and dating it.
- Stuples and paper clips should not be used on pages in the RDFN. Photographs and small
 pieces of paper with data that are included in the RDFN should be taped to a standard-sized,
 blank piece of paper, initialled and dated.
- 5. Follow all directions on how to complete the RDFN carefully. When completing forms, fill in all the requested information. If a particular form or section of the form is not used, make a in all the requested information. It a particular circum or section of the form is not used, mark in lime-out (diagonal line through the page of section), then initial and date the fine-out and and set in lime-out and add a single section at the circum of the circum or circum verified true copy of temperature recording device printout).
- 6. All entries must be clear understandable, legible, and made with pen in indelible ink All entries must be cierar, understandande, (egible, and made with pen in notebuble ink. Changes to the raw data can only be made by drawing a single line through the original entry so as not to obscure it. The date, initials and reasons for change (brief description or Error Code) must accompany any change. Acceptable Error Codes include:

 AW— Accidental Write-over TE—Transcription Error PE = Pagination Error

A Field Data Summary is mentioned in the instructions. IR-4 FRDs are not required to do this.

2. FIELD DATA SUMMARY: In addition to the RDFN, an electronic summary must be completed for each trial. AAFC will provide Principal Investigators with a field data summary template. The electronic version of the summary should be drafted using the latest template available (not the trial year version, if older trial) and forwarded to the Study Director. SDs are responsible for drafting the summaries for trials conducted in the US. The summary will be audited by QA only once, at time of final report audit.

RDFN Coverpage

- IR-4 does not have this page.
- Instructions on how to complete this page can be found on Page 2 of the instructions, item #10.

Agriculture and Agri-Food Canada Pest Management Centre Minor Use Pesticides Program

Raw Data Field Notebook for the

(Test Item)	
In / On	

Study Number:	Trial Initiation Date:	
Trial ID:	(Actual date on which the 1" study specific data are collected (Usually plot layout)	
Trial Location:	Trial Completion Date:	
Crop Zone:	(Usually actual sample shipment)	

R-4

Version 2021 Title page

Order of Book



FDB Parts

- 1. GLP Compliance
- 2. Personnel
- 3. Notes & Communication
- 4. Test Substance
- 5. Trial Site
- 6. Application
- 7. Sample Collection
- 8. Sample Shipping
- 9. Weather & Irrigation
- 10. Protocol & Changes

RDFN Sections

- Study Plan, Amendments & Deviations
- 2. GLP Compliance
- 3. Communications & Activities Log
- 4. Test Item
- 5. Trial/Plot Site Information
- 6. Application
- 7. Harvest & Sampling
- 8. Shipping
- 9. Meteorological Data

Weighing Test Substance



o collected on this form is considered study spe			
me of the test product found on the container la luding concentration & formulation e.g. Eradicator 2 S		st Item Nam	e (a.i.):
or Batch Number (As it appears on the TI container l	abel): Us	ique ID Cod	le assigned (if used) :
piration Date:	Sc	urce of Expi	ration Date: (e.g. C of A):
arier and Bill of Lading #			before the anticipated last
	ap If	olication date es, contact th	e? Yes: No: (constant) e Study Director immediately.
mber of Weight(s) (including of	ontainer):	Balance II	D:
ntainers:		GI P-mair	ntained and used? (check one) Yes: 1
of Test Item and container(s):			Test one Test
, yellow ugam			
ndition of Container(s):			
,, good; bags broken)			
tificate of Analysis Included with Shipment?			If the GLP status of the Test Iter
: No: (check one)			at time of receipt cannot
t Item identified as "GLP" at the time of Recei	pt?		determined; contact the Study
S: No: (check one)			Director. Date contacted:
es, Source of GLP identification :			Date Comacted.
C of A; container)			
nin of Custody included?	MSDS	ncluded?	2 D Jane 2
: No: (check one)	Yes:	No: (c	heck one)
quired Storage Conditions (e.g., from the C of A,	Source	f storage co	nditions:
DS, or Label):			
	RDFN	opy of the so	urce document for storage conditions in
rage Location:	KUFN		
ditional Notes: (e.g. if the test item was held tempo	rarily in an	other location	prior to transfer to the storage location
nd above describe the circumstances, length of time	and approxi	mate tempera	ture conditions):
, ,		-	
e TI received and placed in temperature-monit rage:	ored Re	ceived by:	
e TI logged in inventory (i.e.: date paperwork verifi	ed Lo	gged-in by:	

TRIAL ID No .:

AAFC RAW DATA FIELD NOTEBOOK

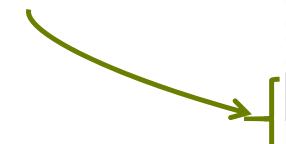
If yes, contact the Study Director immediately.			
Number of	Weight(s) (including container):	Balance ID:	
Containers:			
		GLP-maintained and used? (check one) Yes: No:	
Description of Test Item	nd container(s):		

The RDFN requires that the test substance be weighed upon receipt in the original container.

Weighing Test Substance



The RDFN requires that the test substance and container be weighed once applications are complete.



UNLESS STATED OTHERWISE, ALL TEST ITEM AMOUNTS WEIGHED PRIOR TO THE APPLICATION DAY ARE STORED IN THE SAME AREA AS THE MAIN CONTAINER.

Trial ID number	Appl. number or Purpose	Balance ID or Instrument used to measure (e.g. pipette, syringe,)	Container TI measured into (e.g., 50 mL flask; 250 mL Naigene bottle, spray tank,)	Amount measured	Initials/ Date
	100				
			-		
			<u> </u>		
	8 8	,			
		Sum of test item ren	noved for all uses:		
1	If liquid TI, tot	al weight (g) of TI ren	noved for all uses:3		
Weight (g) of TI p	lus container af	ter all applications hav	e been completed:		

² A transit container is defined as a secondary labelled container containing a premeasured amount of test item for application.

Weighing Test Substance



AAFC RAW DATA FIELD NOTEBOOK	TRIAL ID No.:
.C. DISPOSITION OF TEST ITEM	
	em, contact the SD for approval. Test Item may be disposed of stenance chemical on crops for which it is already registered in social of test item.
est Item ID:	Lot No.:
approval for disposition of test item obtaine	d from Study Director:
es: No: If Yes, date obtained:_	
f no, where is test item held: Remains in GL	.P storage (check): Other (describe below)
Date of Test Item Disposal:	
Description of Test Item disposal (check): Tr	ransferred to maintenance pesticide storage? Yes: No:
If no; Returned to Registra	. , , = =
II ilo, Returned to Rom	
Total Quantity Ren	oved For All Uses (e.g. applications)*
Weights of To	est Item Plus Container
At Receipt (From RDFN Section 4A):	At Disposal (From RDFN Section 4B):
difference Between Receipt and Disposal Calculated Amount of TI Removed):	Actual Amount of TI removed (sum from RDFN Section 4B):
	2.004 00 314011000000000000000000000000000
Include Units	
	actual and calculated amount removed, notes regard
	actual and calculated amount removed, notes regarding posal
	actual and calculated amount removed, notes regards apposal
	actual and calculated amount removed, notes rezaulingspotal
	actual and calculated amount removed, notes rezauli epotal
	actual and calculated amount removed, notes re2244 epotal
ents (e.g. reason for discrepancy between etc.): etcontainers, etc.):	actual and calculated amount removed, notes regarding appoint
	actual and calculated amount removed, notes reparative apposal

Total Quantity Removed For All Uses (e.g. applications)*

Weights of Test Item Plus Container			
At Receipt (From RDFN Section 4A):	At Disposal (From RDFN Section 4B):		
Difference Between Receipt and Disposal (Calculated Amount of TI Removed):	Actual Amount of TI removed (sum from RDFN Section 4B):		

* Include Units

The RDFN also requires that the weight of the test substance and container be verified at disposal.

Adjuvant Expiration



4.D. IDENTIFICATION AND RECEIPT OF SPRAY ADJUVANTS
INSTRUCTIONS: Complete one section of the form for each spray adjuvant used in the trial.
NOTE: Only use spray adjuvants (or type) identified in the study plan. Any spray adjuvants not identified in the study plan require prior approval by the Study Director before they can be used. Insert a copy of the spray adjuvant label after the page.
UNIQUE ID:
NAME OF THE SPRAY ADJUVANT ON CONTAINER LABEL:
PURCHASE DATE:
DATE OF RECEIPT:RECEIVED BY:
TYPE OF SPRAY ADJUVANT (e.g. non-ionic surfactant):
RAPON (travatiable):
EXPIRATION DATE (if available'):
USE BY DATE :
Anno-
CONTAINER DESCRIPTION (e.g., glass bottles):
CONDITION ON ARRIVAL (e.g., good; bags broken, etc.):
STORAGE CONDITIONS (also indicate source e.g. label):
SIGNATURE: DATE:
ARE THE FOLLOWING ITEMS GLP COMPLIANT? 1 Yes No
Adjuvant receipt information (usually the purchase date)
Name and guarantee of the adjuvant (found on the label)
Recommended adjuvant storage conditions (found on SDS or label)
Expiration date of adjuvant ³

SIGNATUR	DATE:	
If no expiration date was provided by the	supplier, record N/A. The adjuvants should not b	e used more than 3 year
after date of purchase or recention A "U	re by date" may be assigned (line below) but my	et not be no longer than

EXPIRATION DATE (if available): _		
USE BY DATE :	7	

The RDFN specifies an expiration date and a "Use By" date. They are defined below in a footnote.

'If no expiration date was provided by the supplier, record N/A. The adjuvants should not be used more than 3 years

Please note: IR-4 allows an assigned expiration date of up to 5 years from receipt. The RDFN's "Use By" date only permits 3 years.

If one or more items from the list is not compliant then the Adjuvant Data should be noted as "Not GLP" on the GLP compliance statement page (2.A).

[&]quot;If no expiration date was available (i.e. was marked N/A in the section above) but the adjuvant is used within 3 year

Insert a Copy of the Spray Adjuvant Label after this

after date of purchase or reception. A "Use by date" may be assigned (line below), but must not be no longer than three years from the purchase/receipt date.

^{&#}x27;If one or more items from the list is not compliant then the Adjuvant Data should be noted as "Not GLP" on the GLP compliance statement page (2,A).

³If no expiration date was available (i.e. was marked N/A in the section above) but the adjuvant is used within 3 years of purchase date, then it should be checked here as compliant (yes).

Calculations

 It is acceptable for IR-4 FRD's to lineout the RDFN calculation pages and use their calculation pages as they would in a FDB. AAFC RAW DATA FIELD NOTEBOOK TRIAL ID No .: AAFC RAW DATA FIELD NOTEBOOK TRIAL ID No .: 6.C. TEST ITEM CALCULATIONS 6.E. PASS TIME CALCULATION INSTRUCTIONS: Determine the amount of Test Item (TI)/Product required for application. Use this form of substitute an alternate equivalent. Treatment number: For broadcast applications (soil and foliar), the treated area is normally equal to the plot size and is dependent upon the No nozzles used to adequately cover the area to be treated (= No. of nozzles x nozzle spacing x row length x No. of passes; e.g. nozzles x 50 cm x 20 m x 1 pass = 40 m²). [Total Width to inscribe below is (=No. of nozzles x nozzle spacing x No. of passes) Calibration date: Application number: _ For foliar directed, drench or banded applications, the plot size is used to calculate the required test item and is usually dep (Complete a separate form for each application) upon the row width (= row spacing (e.g., centre to centre) x No. of rows x row length; e.g., 3 m x 1 row x 15 m = 45 m?). exception to this is when rows in the research plot are wider (or narrower) than on typical commercial farms; in that case u exception to this is when flows in the tense to present poor are to calculate plant on system continents in the tense maximum row width used for that crop in your area to calculate help lot size.] Find Width to increase below it is row spa (e.g., combe to centre) is No. of row. The fact that sper ground between the crop rows may not be contacted by the spray in factored into the rate calculation at the entire per-area rate is divected, denoted or bunded into the specified drageted a TOTAL TARGET PASS TIME FOR CALIBRATION For banded herbicide applications, the treated area is usually smaller than the entire plot area and is dependent upon the su cover (- band width x No. of bands x row length, e.g., 25 cm wide band x 6 bands (a band on each side of the 3 crop rows me (2 - band width x local Width to inscribe below it (- band width x No. of bends. The band width is measured at the target su Number of seconds per plot: 1000 ml/L since the height of the nozzle influences the width.] AAFC RAW DATA FIELD NOTEBOOK TRIAL ID No .: Treated Area of Plot Size (Follow instructions above) 6.J. APPLICATION RATE CONFIRMATION (Complete a separate form for each application) INSTRUCTIONS: USE THIS FORM OR SUBSTITUTE ALTERNATE EQUIVALENT. Calculate the actual amount of Test Item (TI) /Product applied to treated plots from the total pass time and discharge rate. Confirm that the application is within the acceptable limits of the target application amount in the Spray Vol. ____ L/ha X Treated Area (of Plot Size) Treatment number: Application number: A Use a multiplying factor to calculate extra volume for primi Volume of spray applied to plot: Sec/pass Test Item (TI) Required: L applied idual pass time g or ml of TI/ha ÷ L Mixed Vol. B X (check unit) Amount of Test Item (product) applied: ⁸ This value may be rounded to facilitate measurement of the _ L applied X _____ g or _ ml of TI measured ÷ ____ L mix volume = ___ Adjuvant Required: Percentage accuracy of test item (product) applied: or the individual pass time if more than one g or ml of test item applied ÷ ha = g or ml of TI/ha applied (check unit) ha = (check unit) ml of TI/ha applied Measurements Summary (include units): g or ml test item/ha target (check unit) Adjuvant: Date: Carrier volume: Mix volume:

Actual Active Ingredient (a.i.) applied (choose the applicable calculation option below; use the nominal concentration in calculation):

___ g a.i. /L ÷ 1000 =

ha (plot size) =

% a.i. ÷ 100 = _____ g a.i./ha applied

ml of test item/ha applied X

L applied (of spray mixture) ÷

WAS ACTUAL APPLICATION RATE WITHIN -5% TO +10% OF STUDY PLAN RATE?

(Check one) Yes: _____ No: ____ IF No, Contact the Study Director immediately.

g of test item/ha applied X

Signature:

Calculation Verification signature:



Output Calibrations



INSTRUCT acceptable of that are with the calibrat	hin + 5% of each ion calculation. If a new calibration Applic	this form winimum of other. Not	when a com three conse te in this sit scheck, the The origina	cutive accep uation only results of th al calibration Calibration	ptable chec the values se original on on data, or	ks or 3 out from the 3 consecutive a true copy time:	of the last acceptable calibration	4 sequential checks runs will be used for n must be used.	INSTRUCTIONS: Complete this form acceptable calibration is a minimum of that are within + 5% of each other. No the calibration calculation. If this is a v Otherwise, a new calibration is needed.	three consecutiv te in this situatio echeck, the resul	e acceptable n only the va ts of the origi	checks or 3 lues from th inal consecu	out of the la e 3 acceptab tive calibrai	st 4 sequential che le runs will be use tion must be used.	
Catch Run		1	2	3	4	5	6	Total Average							
Pressure (p		-	-	-	-			(of 3 runs used)							
	(seconds)**														
	Nozzle 1														
[Nozzle 2]							
	Nozzle 3								Avg. Nozzie volume (mi)	1	1	1	1	1 1	
	Nozzle 4							-							
	Nozzle 5 Nozzle 6							-	Average x 0.95 (ml)						
ume ml)	Nozzle 0 Nozzle 7							+			-	100	-	-	
,	Nozzle 8								Average x 1.05 (ml)						
1	Nozzle 9							1	433 1 (43.1) 70/		_		_		
1	Nozzle 10								All nozzles within ± 5%					194	
	Nozzle 11								102/00/2010 10 The Francis of the State of the Control of the Cont		•			30	
	Nozzle 12														
tal Boon															
	Volume (ml)														
	0.95 (ml)														
rerage x	within ± 5%														
scharge	Within ± 5%														
Circle the	run numbers u ade where the cal							re water etc.):	NOTE: A single recheck is valid	ONLY for a c	amplete cal	ibration u	sing the id	lentical equipm	ent and w
									conducted within 24 hours. Inclu						
	echeck of dischar	rge calibrat	ion? (Check	one)		Yes:	No:		7						
D.	ingle recheck is	time													

Speed Calibrations



AAFC RAW D	ATA FIELD NO	DTEBOOK	TRIAL ID	No.:		
6.F. GROUNI	D SPEED CAL	IBRATION				
	S: Complete separ terrain similar to t	ate forms for each com se application.	plete calibration	or calibration rechec	k. Calibration must	
Treatment nu	mber:	77	_			
	umber: wate form for each	Calibration (late:			
Approximate time	e:	_Calibrated by:		Recorded by:		
Person	ractor ID:		_ Calibration di	stance (units):		
Target time (sec):		- 5 % = Min	- 5 % = Min. Time = Target Time X 0.95 =sec			
		+10 % = Ma	x Time = Target	Time X 1.10 =	sec	
D ##	Pass Time			Tachometer	Within -5% to +10% of	

Run #*	Pass Time (sec)	Gear	Range	Reading (RPM)	to +10% o Target time (yes/no)
1					
2					
3					
4					
5					
6					
7					

*Minimum – three acceptable consecutive runs or3 out of the last 4 sequential runs that are acceptable.

110cs. (Include such information as where the cattoration took place).

Was this a recheck of speed calibration? (Check one) Yes: _____No:

NOTE: A single recheck is valid ONLY if a complete calibration using the identical equipment was conducted within 2

Signature:

Target time (sec):	5 % = Min. Time = Target Time X 0.95 =	sec
	+10 % = Max Time = Target Time X 1 10 =	sec

The RDFN prompts for % Deviation calculations.

NOTE: A single recheck is valid ONLY if a complete calibration using the identical equipment was conducted within 24 hours. Include true copy of the complete calibration conducted in the notebook.

Be aware, their guidance for "rechecks" is also different.

Application Records



<u></u>	-
Batch/Lot Number:	Time of last agitation:
Appearance of solution before	Time applied:
application (e.g., homogenous):	Applied by:

The RDFN requests a specific time for agitation.

They also prompt for a description of the appearance of the tank mixture, "if practical".

AAFC RAW DATA FIELD NOTEBOOK

TRIAL ID No .:

(Complete a	separate form for each	application)	ег Ар	рисанов на	ate:		
Test Item:			Time mixed	i;			
and the second	Vumber:		Time of last	t agitation:			
	of solution before (e.g., homogenous):	_	Time applied: Applied by:				
Zquep							
Was the san	ne equipment used fo forms 6A & 6B for ap	r a previous applicatio	n? Yes: No new 6A & 6B	o: forms must be	included for this application.		
Tank Min	Carrier:		200	Test Item:			
(units)	Adjuvant:		Total Volume				
Adjuvant name:			Adjuvant Rate		: (%):		
Nozzle dist	ance from target (unit	3):	Pressure (units):				
Incorporatio Method/ed		ment:					
n	Depth (units):	of Test Item in Faviament ID: M		Time:			
Tempera	ture of Test Item in transit				Maximum:°		
1999 NOTE	Type:	Source:		rument type us neasure the car			
Carrier	pH:		Ten	Temp. (units):			
	Equipment ID:		Equ	Equipment ID:			
Location of	where boom was prin	med:					
	where any remaining scharged or disposed:	tank					
Transpor	ting and mixing	of TI for use in pl	at: (Check off	which apply. Ij	f other, describe below):		
	The Test Item was hel	ld securely in			during transport to field site.		
		ed near the treated plot at			n direction (e.g.: NE, etc).		
		ed at the chemical storage					
1 1	Test item was mixed i	n the lab in fumehood an	d transported in i	ts tank in the ba	ick of the vehicle.		

Application Records



Treatment number:	ORDS (Complete a separate form for each application)
Application number:	Application date:
Crop growth stage (e.g., seedling, co	tyledon, 1st leaf, mature, BBCH):
Crop height (units):	
Crop condition (Check one): Normal	: Stressed: Other (e,g, damaged):
Plant surface moisture (Check one):	Wet: Moist: Dry: NA:
Soil moistues Check	one): Wet: Moist: Diy
Average wind speed: (preferably during application)	km/h:MPH: Equipment ID:
Wind speed was measured (Check of	one): Prior: During: After: the application.
_	occur during the application? Yes: No: st speed? km/h; and contact the Study Director.
Wind direction from the (e.g., W,	S, NW, or No wind):
Wind direction from the (e.g., W,	S, NW, or No wind):
Wind direction from the (e.g., W, Measured air tempor.	
Wind direction from the (e.g., W, Measured air tempor.	S, NW, or No wind): C of Four (Check one) Equipment ID:
Wind direction from the (e.g., W, Measured ar temporal Measured % relative humidity:	S, NW, or No wind):
Wind direction from the (e.g., W, Measured air temperature) Measured % relative humidity: Estimated % cloud cover: Soil/growing media temperature:	S, NW, or No wind): C. F. Equipment ID: Check one) Equipment ID: C: F: Equipment ID:
Wind direction from the (e.g., W, Measured ar temp Measured % relative humidity: Estimated % cloud cover: Soil/growing media temperature: Depth of measurement of soil tem Notes (include any unusual climatic continual c	S, NW, or No wind): C' oE Four (Check one) Equipment ID: C': oF: Equipment ID: (Check one) perature: cm: in: (Check one) militions or events (e.g. damaging hall, frost, tropical storm, forest fire
Wind direction from the (e.g., W, Measured ar temp Measured % relative humidity: Estimated % cloud cover: Soil/growing media temperature: Depth of measurement of soil tem Notes (include any unusual climatic continual c	S, NW, or No wind):
Wind direction from the (e.g., W, Measured ar temp Measured % relative humidity: Estimated % cloud cover: Soil/growing media temperature: Depth of measurement of soil tem Notes (include any unusual climatic continual c	S, NW, or No wind): C' oE Four (Check one) Equipment ID: C': oF: Equipment ID: (Check one) perature: cm: in: (Check one) militions or events (e.g. damaging hall, frost, tropical storm, forest fire

Average wind speed:(preferably during application)	km/h: MPH:(Check one)	Equipment ID:_	
Wind speed was measured (Check o	ne): Prior: Duri	ing:After:	the application.
Did a gust of wind over 10 km/h o	ccur during the appli	ication? Yes: No:	_
If yes, what was the maximum gus	st speed?km	/h; and contact the S	tudy Director.
Wind direction from the (e.g., W, S	S, NW, or No wind):		

The RDFN requests more specific information regarding the wind at application.



"Any work conducted in the USA will be conducted according to EPA Good Laboratory Practice standards, 40 CFR part 160, which are acceptable to OECD standards."

- Section 5, AAFC Pesticide Residue Study Plan



Thanks to our Canadian Partners for their contributions!



eQA Update

May 4, 2021

Pest Management Solutions for Specialty Crops and Specialty Uses

eQA transition to NC State

- The move to the NC State server went well
- This move has caused a change in logging into the eQA system
- To login with an NC State credentials:
 - Use wolftech\(your NC State Unity ID) and password
 - > If you forget your password, please do not reset it in eQA



eQA transition to NC State

- To login as a member of IR-4 without NC State credentials:
 - ➤ No longer need to include "cits\"
 - > Use your current login (ex: jsmith)
 - First time you log in use your current password and will be prompted to change your password
 - > There is a "forget password" option located below the login if you have forgotten your password
- Please contact Debbie Carpenter or Johanna Mazlo if you have any issues



Thank you





Notifying the Analytical Lab of Sample Shipment

- Protocol Section 19. Residue Sample Handling and Shipment
 - Method of shipment determines when lab needs to be notified
- Document notification made to the sample destination by email, fax, phone log, field data book communication note, etc.

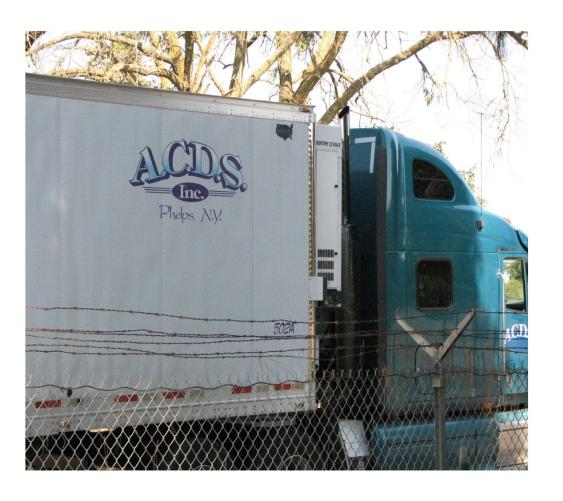
SN



Overnight Carriers such as Federal Express Or Airborne

Contact designated person from the analytical lab **prior** to sample shipment for any specific shipping instructions.

30 05/04/21 SN



Freezer Truck

Acceptable to contact the lab prior to or on the day of shipment, before or after samples have been loaded on the truck.

OR

2020 and early 2021 protocols: Contact lab on the day before or the day of shipment, before or after the samples have been loaded on the truck.

SN 05/04/21

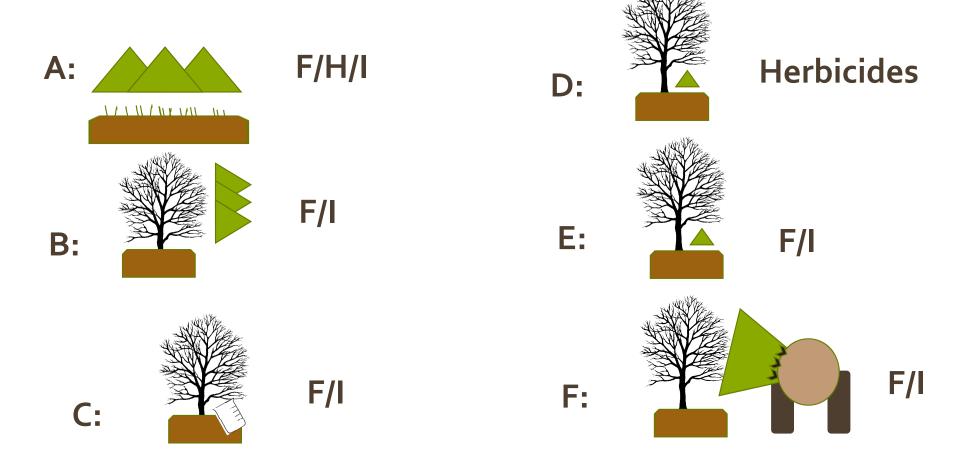


Hand-delivered

Timing of notification not specified in the protocol, but common sense to contact lab prior to delivering the samples.

SN SN

Application Types and Equipment



SF

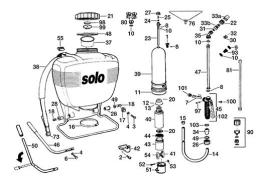
Sprayer Safety: Thoughts from Seasoned Veterans...aka The Old Guys

- Pressurized sprayer
 - Be careful of distractions
 - Michael grad school
 - Stephen's example
- Maintenance
 - Hoses and couplers
 - Test system with water first
- Cleaning and Disposal
 - With PPE; Michael gloves
 - Appropriate disposal area
- Bystander exposure
 - Airblast sprayer
 - Michael citrus orchard
 - Stephen cycling
- Other stories what did we learn?









MH & SF

Feedback from QC Reviewers

Stacked Plots

 Make sure permission from all study directors involved is documented and included in Part 3 (even if allowed by protocol)



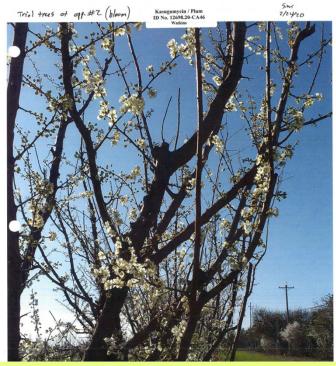
MPT

QC Feedback

• Crop Stage

• If protocol specifies a particular crop stage at application or harvest, record the details in the FDB

	Treatment	Target Rate of active ingredient	Target Rate of formulated product*	Application Type****	Spray Volume Range**
Trt#	Untreated	Not Applicable	Not Applicable	Not Applicable	Not Applicable
01	KASUGAMYCIN	0.084 lb ai/acre	1,893 ml/acre + adjuvant***	Foliar Directed	50 to 150 GPA
			(64 fl oz Kasumin 2L/A) ubstance will be used in calc		- 10
	· (1)	went label in the Field Da	conducted by the same Field ta Book.		
adjuv	de a copy of the adju ote that the treated	went label in the Field Da	ta Book. ations is calculated as row		



6 MPT

QC Feedback

Spray Contact with Plants

- If the protocol specifies whether the spray is not to contact the plants or a specific overlap with the base of the plants
- Include verification of this in the application description

	FIELD ID NO: Meeks									
	II	R-4 FIELD DA	TA BOOK							
PART 6. APPLICATI	ON RECORDS									
I. PASS TIMES FOR API	PLICATION NUMB	ER								
APPLICATION DATE	8 7.19		EPARATE FURM FU							
RECORD PASS TIME AN application equipment thro	ND PASS DIRECTIO	N - Complete the tab	ble by providing the ti	me required to mak	e each pass of the					
орунсанон едириен на с		IENT QZ		REATMENT						
PASS NUMBER	TIME	DIRECTION	PASS NUMBER	TIME	DIRECTION					
Wast 1 Site	35.50	5 7 1	1	1	/					
East 2 Side	32.90	N >5	2	2 W/						
3		/	3	1/						
4		/	4	1'/						
5	9	W/	5	0,						
6	1	/	6	/						
7	9/		7	/						
8	40/		8							
9			9/							
10			19							
- 11			/11							
12	/		12							
TOTAL PASS TIME	68.40 re	u	1							
	1.)	-10 mo	, ks	DATE: 8	-7-19					
ABOVE DATA ENTERE PROVIDE A BRIEF NAR		V OF THE APPLIC	ATION AND IDENT							
(F. o. "Test substance was	applied to the treater	d test plot in two pas	ses; one pass down e	ach side of the row.						
applied to the soil, in a 3 f	band out from the t	ree, with the spray b	oom 24 inches above	yre soil.	1161					
Ten gul	stance a	ras appl	20 10 10	Marie	exer-					
plat en	1 Alexander	JEE WAY	717 1930	liace and	traul's					
side of	in to	ti in	140" han	of the vinge	ord fleer					
1800n /	was held	1 × 18" as	love vinya	rd floor	for best					
cover	ag.	19 WM								
	SAT	100								
APPLICATION WAS M/	ADE BY:	1197	-							
NARRATIVE ENTERED	111	Of Moet	4	DATE:	8-7-19					
	P	ART 6 PAGE (0		Trial Yo	ear 2019					

MPT

Thank You for Attending!

- Please send ideas for future training or questions to wrfield@ucdavis.edu
- GLP training certificates will be sent to all attending
 - If multiple people connected on one computer, send chat or email with all names + emails
- 2021 Webinars: August, November

