



## Western Region 2016 Training Webinars

**Welcome to the 2016**

**Western Region Training Webinars**

*Hosted by the Western Region IR-4 Program*

**FOR AUDIO:**

Call in: 866-740-1260

Participant code: 7527634

**We will begin at 11 AM Pacific Time**



wrir4.ucdavis.edu

## Western Region Training: Webinars and Meetings

[Past Webinars and Training](#)

[More Information](#)

### 2016 Training: Webinars and Hands-On Meeting

Webinar Time: 11:00 AM – 12:30 PM (Pacific Time)

<i>Date</i>	<i>Topic(s)/Presenter or Discussion Leader</i>
<b>June 27, 2016</b>	Webinar: Peeling the Onion: Field, Notebooks & QA Refinements– <i>Field Office, QA and Lab</i>
<b>November 14, 2016</b>	Webinar: GLP History & Practice – <i>Field Office, QA and Lab</i>

## Peeling the Onion

- One layer at a time



## Peeling the Onion

- Field
- Quality Assurance
- Field Data Notebooks
- (and a few tidbits)

## Peeling the Onion: Field

- Field





- Write



SF

- It



- Down

TO MEASURE WATER (e.g., for an irrigation system) on

BRIEFLY DESCRIBE PROCEDURE USED TO CHECK DISCHARGE CALIBRATION  
*was utilized to collect water 3 X for 3 cm*  
*Each time the water was poured into a*

DISCHARGE CALIBRATION Record time applicator is allowed to discharge. Collect  
 Record this value in "RUN" Row 1 under the appropriate outlet. Calculate the total or  
 nozzles/hoppers. Entry prompts have been provided for 2 additional discharge calibra  
 averages of each nozzle/hopper outlet AND whether the recheck is within 5% (if appli

RUN	TIME (sec)	North Side High Med Low			South Side Low Med High			8
		1	2	3	4	5	6	
1	60	32	34	34		34	34	33
2	60	34	34	34		34	34	34
3	60	34	32	34		34	34	34
Total (required)	180	100	100	102		102	102	102
Average (optional)	60	33.33	33.33	34		34	34	34

CALCULATIONS: 33.33

$$\frac{202.33}{6} = 33.72$$

$$Low\# = 33.72 \times 0.95 = 32.035$$

$$High\# = 33.72 \times 1.05 = 35.406$$
 Alt#

Was this a recheck of discharge calibration or a target output?  
 If yes, were results within 5% of original calibration or target output?  
 An output consisting of an average of three runs or a target output may be a  
 amount of test substance to use. If this is a recheck (one run) then the resul  
 output result of the recheck is more than 5% different than the original calib  
 produce a new, full calibration. The original calibration data, or a true cop

ABOVE DATA ENTERED BY: Sh.D. Benge

PART 6 PAGE

COMPLETE IF APPROPRIATE: "THIS IS A TRUE COPY OF THE ORIG  
 THE ORIGINAL IS IN IR-4 FIELD DATA BOOK NO. 18



**NOW !!**

- Write
- It
- Down
- Now...



## Off Site Crop Destruct

Why is it important?

Necessity of keeping treated  
commodity out of trade  
channels

Not consumed by animal or  
human





**Burying  
Bananas  
at the  
University of  
Hawaii**





**Crushed  
Lemons  
at UC  
Riverside**



# Mowing grass at Washington State





## **Apple Mushing in Colorado**





**Crop Destruct  
Bin at Kearney**

**Include the date, and hopefully  
it's not 4 years later...**

PART 5. TRIAL SITE INFORMATION:

**I. CROP DESTRUCTION**

*INSTRUCTIONS: Describe how the remaining crop (after the completion of this field trial) has been destroyed or handled in such a way that it is not consumed as a human food or animal feed. Include the date(s) of destruction or handling activities. If the (leftover) treated crop was not destroyed because the pesticide use in this trial is registered in your state or territory or province, then that should be indicated here:*

Avocados were picked and put in a bin, then taken  
to the dump at SCREC. Crop destruction was done on  
6-4-15.

### Three Resources:

- 1) Protocol
- 2) CPDA-Website
- 3) If unsure...





## Council of Producers & Distributors of Agrotechnology

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The following list of products have been reviewed and approved by the CPDA Committee:

<a href="#">Adept</a>	<a href="#">Label</a>	<a href="#">SDS</a>
<a href="#">Affix</a>	<a href="#">Label</a>	<a href="#">SDS</a>
<a href="#">Agri-Dex</a>	<a href="#">Label</a>	<a href="#">MSDS</a>
<a href="#">Air Force</a>	<a href="#">Label</a>	<a href="#">MSDS</a>
<a href="#">Alliance</a>	<a href="#">Label</a>	<a href="#">MSDS</a>
<a href="#">AMSol Plus</a>	<a href="#">Label</a>	<a href="#">MSDS</a>
<a href="#">AMSurf Xtra</a>	<a href="#">Label</a>	<a href="#">MSDS</a>
<a href="#">Array</a>	<a href="#">Label</a>	<a href="#">MSDS</a>
<a href="#">Atmos</a>	<a href="#">Label</a>	<a href="#">MSDS</a>

If unsure...



## How to: Catch our own Errors?

Experience of sending a text/email:

- 1) Your gut feeling was off?
- 2) Too busy to re-read it?
- 3) Doing too many things at the same time?
- 4) Spell check did what?

All

## How to: Catch our own Errors?

“If you don’t have time to do it right,  
when will you have time to do it  
over?” –John Wooden

**All**

## How to: Catch our own Errors?

Some thoughts:

- 1) Too close to our own mistakes
- 2) Write it down, walk away, another set of eyes
- 3) Snap it with your phone & send it to us (RS, SF, MPT)

All





## Different Setups

Sole Operators	Hybrids	Teams
UCR-Nathan	UCD-Seth	WSU-Dan & Wilson
UI-Will	UCD-Guy	OSU-Gina & Peter
		KARE-David & Keri
		UH-Julie & James
		NMSU-Cary & Joseph

## 2 Steps, Turn Around, Look



RS

## Peeling the Onion: QA

- QA



# Test Substance Label Differences

- Every manufacturer test substance label will be different. Some will be missing specifics that you normally see on other labels.
- If information is missing, transfer it from the Certificate of Analysis or chain of custody to the container.
- The information can be placed on the container via an additional label or sticker.
- It is not necessary to initial and date any hand written additions to the label or container.

# Container Labels

The FRD is responsible to make sure that TS containers contain all of the required specifics. Look closely to assure that the label has the following;

- Name
  - If unsure that you received the wrong TS call SD
- Batch or Lot Number
  - Be precise when writing individual digits
- Storage conditions
  - Temperature range or exact condition
- Expiration Date
  - Actual Date is needed, not “see COA”



# eQA Reminders

- Forgot your password...call or email Tammy (732-932-9595, ext. 4607; [white@aesop.rutgers.edu](mailto:white@aesop.rutgers.edu))
- No Findings...still need to click “FINISHED WITH RESPONSES”.
- If you use the word document attachment for your responses, you must copy and paste your responses into the eQA text box.
  - But, you don’t have to attach the actual word document file using the browse function.
- “Submit” vs. “Save”
  - Click “Submit” when done adding responses in text box.
  - “Save” attaches the responses in the text box or attachments in the browse function to eQA.

# eQA Reminders

- Responses and attachments in eQA are not part of the study raw data. You must make corrections to the field data book pages and submit the hard-copies to HQ.
- When making corrections, use the pages with QC reviewer corrections.
  - In the Western Region
    - Pages are on the Western Region server.
    - Pre-addressed envelopes are available from Field Office to send pages to HQ (send email request to Becky if you need envelopes).
- Do not paginate the corrected/additional pages...Study Director will paginate.

# Coming soon to eQA...

## Field Raw Data Audit

Field Raw Data Audit Rev 1

Back To List | Save | Reset Fields | Show Activities / Workflow Status Page | Show Audit Trail Page | Print Page

One or more required fields are missing a value. See highlighted fields below.

[1. Cover Sheet](#) [2. Field Raw Data Checklist](#) [3. QA Findings/Recommendations](#) [4. Response to QA Findings](#) [5. SD/TFM Approval Page](#)

[Go To Bottom](#)

Response to QA Findings


Form Group: Field Raw Data Audit Rev 1  
Packet ID: FRDA-000340d  
Audit Type Chem/Crop/PR#(ID): FRDA Example/12345.16-CA01  
Location: West Field UCD  
Date: 6/16/2016 6:23:20 PM  
Closed: ☐

**Field Research Director**

QA findings for FRD. Please respond. Initial and Date each response.:

FRD shall answer the following question upon finishing with responses, if **YES** a date must be entered in the next field

FRD - Have you attached corrected/additional pages: ☐ Yes ☐ No

FRD - When did you mail the original un-paginated pages to HQ QA:  

**Study Director**

Findings for Study Director. Please respond if applicable. Initial and Date each response.:

**Attachments**

Attachments:  [Browse...](#)

[1. Cover Sheet](#) [2. Field Raw Data Checklist](#) [3. QA Findings/Recommendations](#) [4. Response to QA Findings](#) [5. SD/TFM Approval Page](#)

- Have you attached corrected/additional pages?
- If “YES” – when did you mail them?
- You will not be able to “FINISH WITH RESPONSES” until you have entered a date.

## Deviations

Deviations and the  
all too human  
reluctance thereof...

To deviate or not to  
deviate, that is the  
question...



Shake it off .....



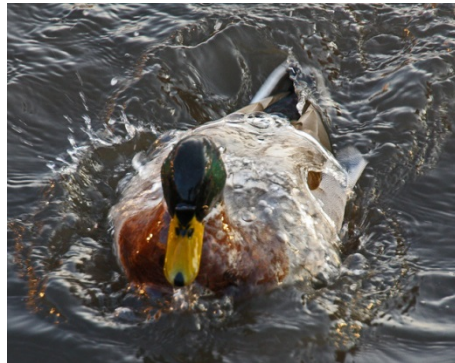
RS

## Deviations

Let it go....



Water off a duck's  
back....



## Deviations – Not all “bad”

Some show great thinking and understanding of the work. 

Application delayed due to wind or rain.

Sampling changes due to quantity, weather conditions, commercial harvest schedules.

All MUST be communicated to the Study Director and documented...

....GOOD 😊 or BAD ☹.

## Deviations – they can't be avoided

It's part of the whole documentation process.  
As long as we are human, they will happen.

*I DON'T WANT TO WRITE A  
DEVIATION! I HATE  
DEVIATIONS! I'D RATHER DO  
ANYTHING THAN WRITE A  
DEVIATION!*





## Deviations

Deal with it



Move on



and



RS



## Peeling the Onion: FDNs

- Field Data Notebooks

RECEIVED  
DEC 17 2014  
WR IR-4

IR-4  
FIELD DATA BOOK

TITLE: CYFLUMETOFEN MAGNITUDE OF THE  
RESIDUE ON PEPPER (GREENHOUSE)

PR# 11451

Cyflumetofen/Pepper (GH)  
ID No. 11451.15-CA93  
Ennes

**Non-Bell**

RECEIVED  
FEB 29 2016  
WR IR-4

**SPONSOR**  
IR-4 Project Headquarters  
500 College Road East, Suite 201 W  
Princeton, NJ 08540  
(732) 932-9575, FAX# (609) 514-2612





















**STUDY DIRECTOR**  
Dr. Keith W. Dorschner  
(732) 932-9575, x4615  
dorschner@aesop.rutgers.edu




## IR-4 Field Data Notebook Pages - Specifically Part 6.L.1, 6.L.2. and 6.M.

 Rebecca Sisco

 This message was sent with High importance.

Sent: Mon 4/25/2016 2:10 PM


To:  Bob Viales;  Cary Hamilton (chami@nmsu.edu);  Clark Oman;  Dan Groenendale;  David Ennes;  
 Feistfour (feistfour@gmail.com);  Gina P. Koskela;  Guy B Kyser;  James Kam;  Joe DeFrancesco;  John Harvey;  
 Joseph Goodrich (chainsaw@nmsu.edu);  Julie Coughlin;  Kathy Feist (kathleenfeist@gmail.com);  Keri M Skiles;  
 Laura Van Der Staay;  Michelle Mitchell (coastalresearch@gmail.com);   Mika Pringle Tolson;  Mike Kawate;

Cc:  Martin Beran;  Sherita M Normington;  Jacqueline Hale

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Western Region FRDs:

Pertaining to the following IR-4 Notebook pages ONLY: Part 6.L.1. and Part 6.L.2 (Differentiation of Multiple Trials Conducted in close proximity) and Part 6.M. (Application Equipment Maintenance and Repair Log)

- 1) All notebooks MUST contain at least one copy of all the original field data notebook pages, unless you have modified, approved pages.
- 2) If you have approved modified pages for your notebook, they may be exchanged/substituted for the original field data notebook equivalent page. Stephen or Mika MUST approve all modified pages to standard field data notebook pages.
-  3) Duplicate BLANK pages of Part 6.L.1. and Part 6.L.2 (Differentiation of Multiple Trials Conducted in close proximity) and Part 6.M. (Application Equipment Maintenance and Repair Log) may be removed if you have not written on them and they are not pertinent to the trial.

Points of GLP compliance clarification:

- 1) Once you write on a page it becomes raw data and therefore MUST be retained.
- 2) If you have different equipment for different applications the maintenance and repair log(s) must reflect multiple pieces of equipment for multiple applications. If this is addressed on Page 6.M. (or its equivalent) duplicate BLANK pages of Part 6.M. may be removed if you have not written on them and all required information on Page 6.M. appears in the notebook on another page(s).
- 3) The intention of a "line out" is to indicate, "I have read this page and the data requested here are not pertinent to this study, or are recorded elsewhere in the notebook", it is therefore not a mindless act☺.
- 4) In future notebooks from the Western Region office, we will provide Part 6.L.1. and Part 6.L.2 (Differentiation of Multiple Trials Conducted in close proximity) for the first application only.

I hope this helps clarify those "extra page conundrums" but if not and you have questions, please ask.

Isoxaben / Caneberry

ID No. 10248.15-OR371

Koskela

FIELD ID NO: \_\_\_\_\_

## IR-4 FIELD DATA BOOK

### PART 6. APPLICATION RECORDS

#### L.1. DIFFERENTIATION OF MULTIPLE TRIALS CONDUCTED IN CLOSE PROXIMITY\*

ARE YOU CONDUCTING MORE THAN ONE TRIAL IN THIS STUDY? YES ☒ NO ☐

IS ANOTHER FIELD RESEARCH DIRECTOR IN THIS STUDY  
CONDUCTING A TRIAL WITHIN 20 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.

If "YES" is checked at least once, then an independently prepared tank-mix must be used in each trial, except in studies in which this is not applicable such as studies with granular formulations.

**In order to differentiate these trials, select one option from Set 1 OR two options from Set 2.**

If 3 or more trials in this study cannot be differentiated by the same options, then you should check all options that have been used, and explain below which options are differentiating between which trials.

If different crop varieties are being used as a differentiation option, then enter below information that explains why these varieties were chosen. Examples: Variety A produces large fruit, whereas Variety B produces small fruit. Variety A produces fruit with a smooth skin, whereas Variety B produces fruit with a rough skin. Varieties A and B are the two most commonly grown cultivars in this state.

If options are used that are listed in the protocol but are not listed in the table in Part 6.L.2, then enter descriptions of those options below.

Enter below any additional information that will improve the understanding of the options that have been chosen.

\*Trials conducted in different calendar years are exempt from these requirements. (If separate trials by the same person or within 20 miles are conducted in late fall/early winter, then the differentiation options should be used to reduce the possibility of data rejection by a regulatory agency.)

**Trial IDs of other trials in this study to which these options are being applied:**

10248.15-OR371; OR 372; OR 373

Additional information:

	<u>1C</u>	<u>1A</u>	<u>2A</u>
<u>10248.15-OR371</u>	<u>-raspberry</u>	<u>MUREC*</u>	<u>43 gpa</u>
<u>OR 372</u>	<u>-blackberry</u>	<u>MUREC*</u>	<u>23 gpa</u>
<u>OR 373</u>	<u>-blackberry</u>	<u>Corvallis, OR</u>	<u>33 gpa</u>

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Cc: Martin Beran; Sherita M Normington; Jacqueline Hale

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## Peeling the Onion: FDNs, 6A & 6B

**IF:** You're assigned a multi-application trial, it will have Parts 6A & 6B included for each application:

**IF:** You use the same equipment ***in exactly*** the same way for all the applications then do 2 things.

1) Describe the equipment used for the first app

& 2) Specifically state that this arrangement was then used for all applications

**Note:** IF the first diagram covers all the app, then you can Remove the subsequent Parts 6A & 6B from the notebook, or line them out.

# Part 6A & B: Equipment Description, Multiple Applications:

EQUIPMENT USED FOR APPLICATION NUMBER(S) 1, 2 5/5/17/15

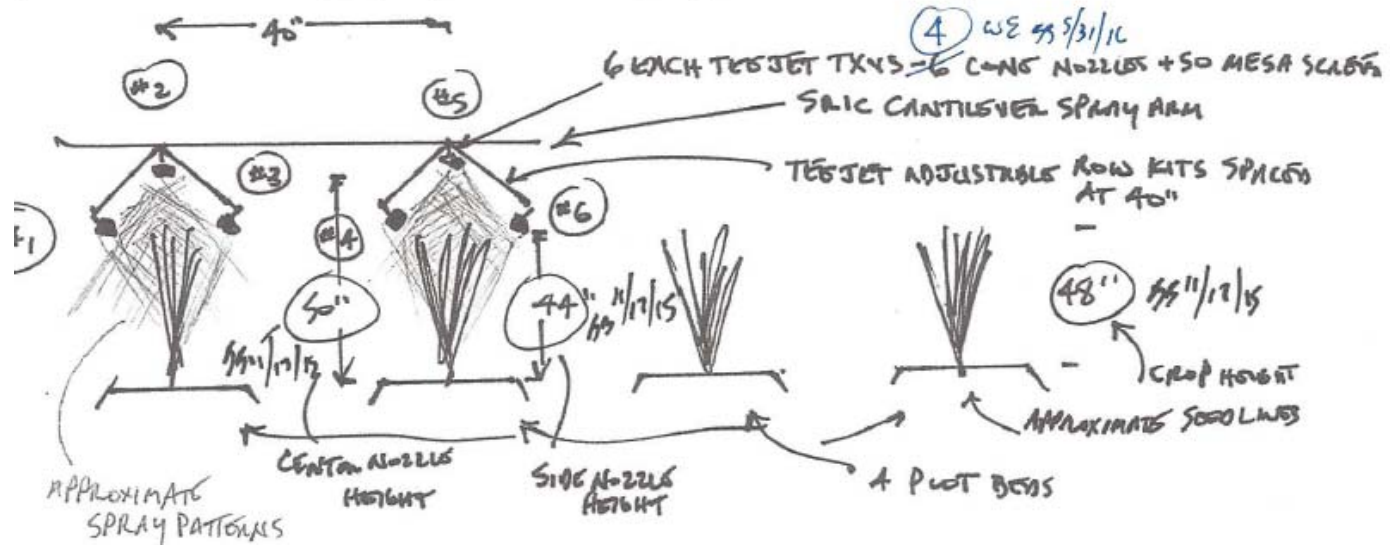
INSTRUCTIONS: Complete a separate form for each piece of test substance application equipment used in the trial. Sketch a diagram and/or provide clear photograph of application equipment. Include the relative location and size of the target crop and the nozzle/hopper outlet placement and application pattern in relation to crop, in the sketch or photograph. In addition, on the sketch or photograph assign each nozzle or hopper outlet a unique number.

Drawing Not to Scale

PLOT Area Description:	
Number of Beds = <u>4</u>	TRT. 01 Plot Length = <u>100'</u>
Bed Spacing = <u>40"</u>	TRT. 02 Plot Length = <u>120'</u>
Plant Lines per Bedtop = <u>1</u>	TRT. 03 Plot Length = <u>        </u>
Number of passes = <u>2</u>	TRT. 04 Plot Length = <u>        </u>
	TRT. 05 Plot Length = <u>        </u>
TRT01: Plot Area = <u>13.333' FT. X 100' FT. X</u> <u>4.6</u> <u>beds</u> = <u>1333</u> <u>SQ.FT.</u> <u>5/5/17/15</u>	

TRT02: 13.333' X 120' X 1 Plot = 1599.9 sq, ROUNDED TO 1600 sq

**IF:** Equipment changes, copy the original diagram and add information.



# OR: Use different diagrams to describe different applications, i.e. be thorough & complete

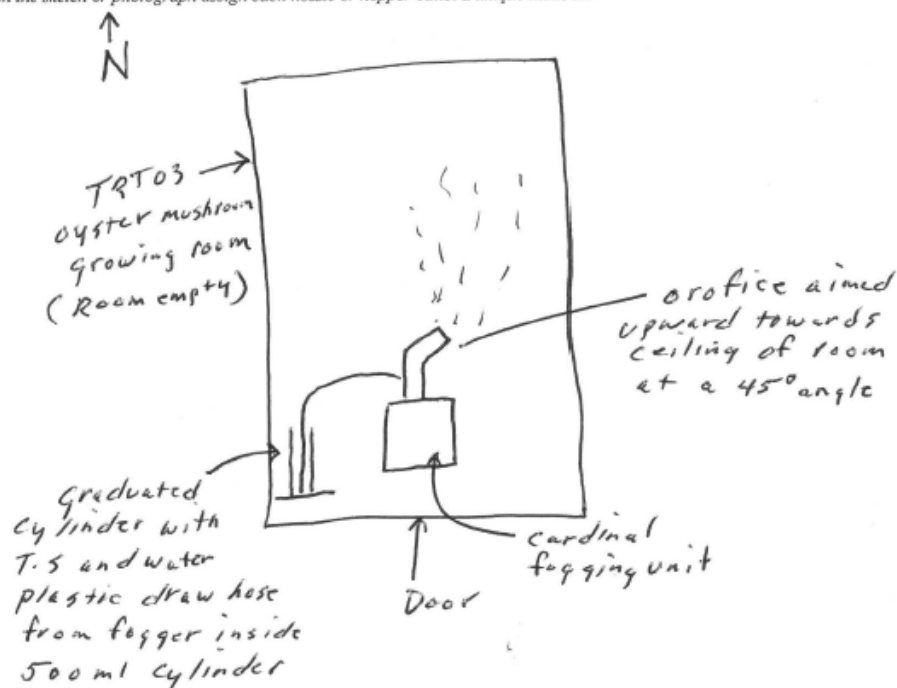
## 1st App      Subsequent Apps

### PART 6. APPLICATION RECORDS

#### B. DIAGRAM OF APPLICATION EQUIPMENT

EQUIPMENT USED FOR APPLICATION NUMBER(S) 1

INSTRUCTIONS: Complete a separate form for **each piece** of test substance application equipment used in the trial. Sketch a diagram and/or provide clear photograph of application equipment. Include the relative location and size of the target crop and the nozzle/hopper outlet placement and application pattern in relation to crop, in the sketch or photograph. In addition, on the sketch or photograph assign each nozzle or hopper outlet a unique number.



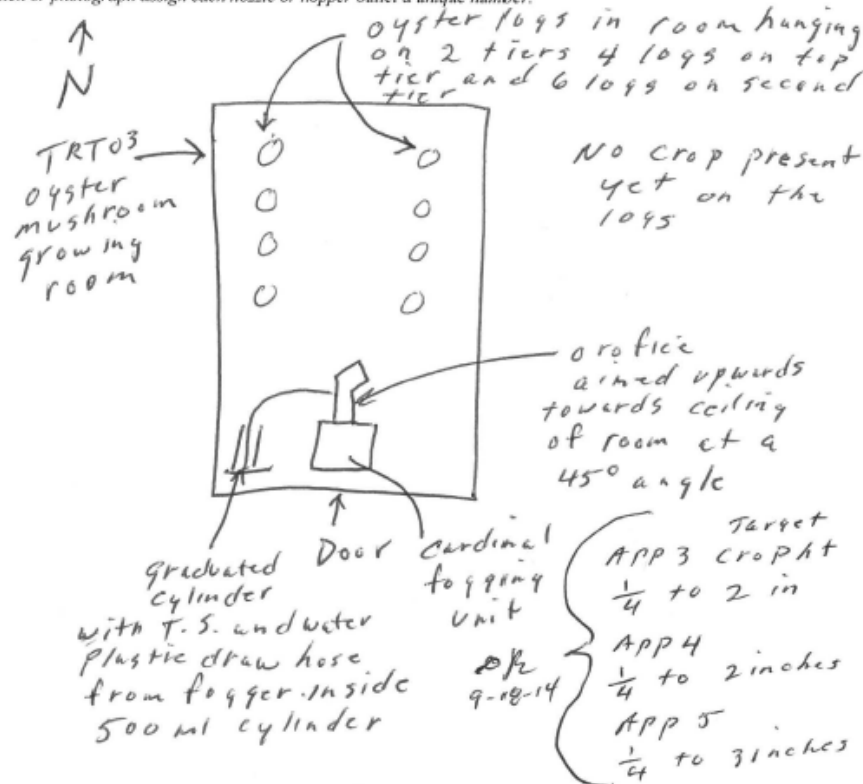
ABOVE DATA ENTERED BY: David Limer DATE: 7-24-14

### PART 6. APPLICATION RECORDS

#### B. DIAGRAM OF APPLICATION EQUIPMENT

EQUIPMENT USED FOR APPLICATION NUMBER(S) 2, 3, 4, 5 *ok 9-18-14*

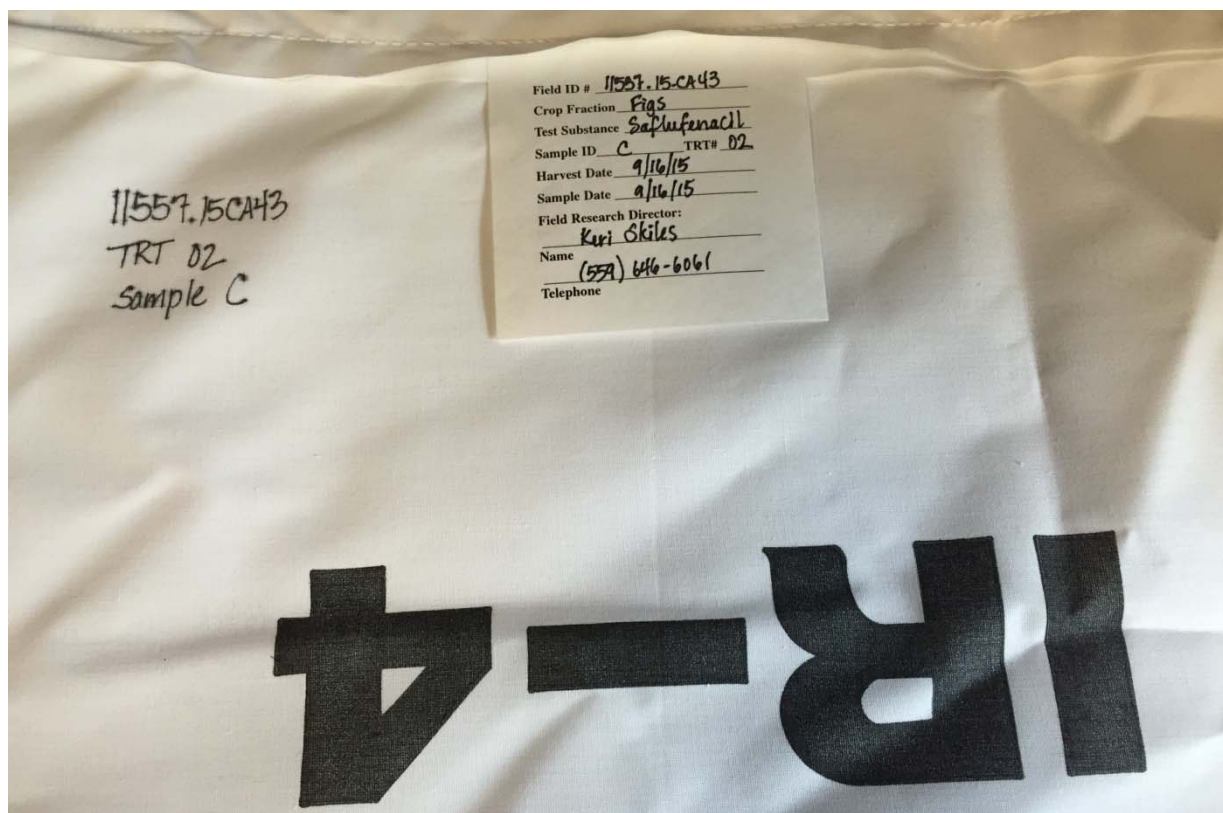
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ABOVE DATA ENTERED BY: David Limer DATE: 7-25-14

## Peeling the Onion: Sample Bags

- Backup Sample Labels: FieldID, TRT, Sample ID



**Uniquely identify  
the sample if label  
is lost**

**Write Outside?  
Staple Inside?  
Up to FRD...**

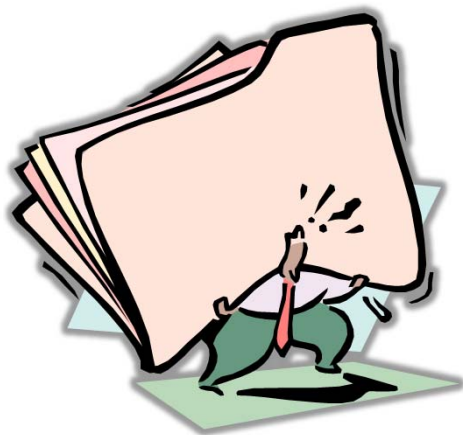
**Loose inside has  
caused lab  
problems**

**All**



## Peeling the Onion: Extra Pages

- Abridged versus Unabridged, which sections?

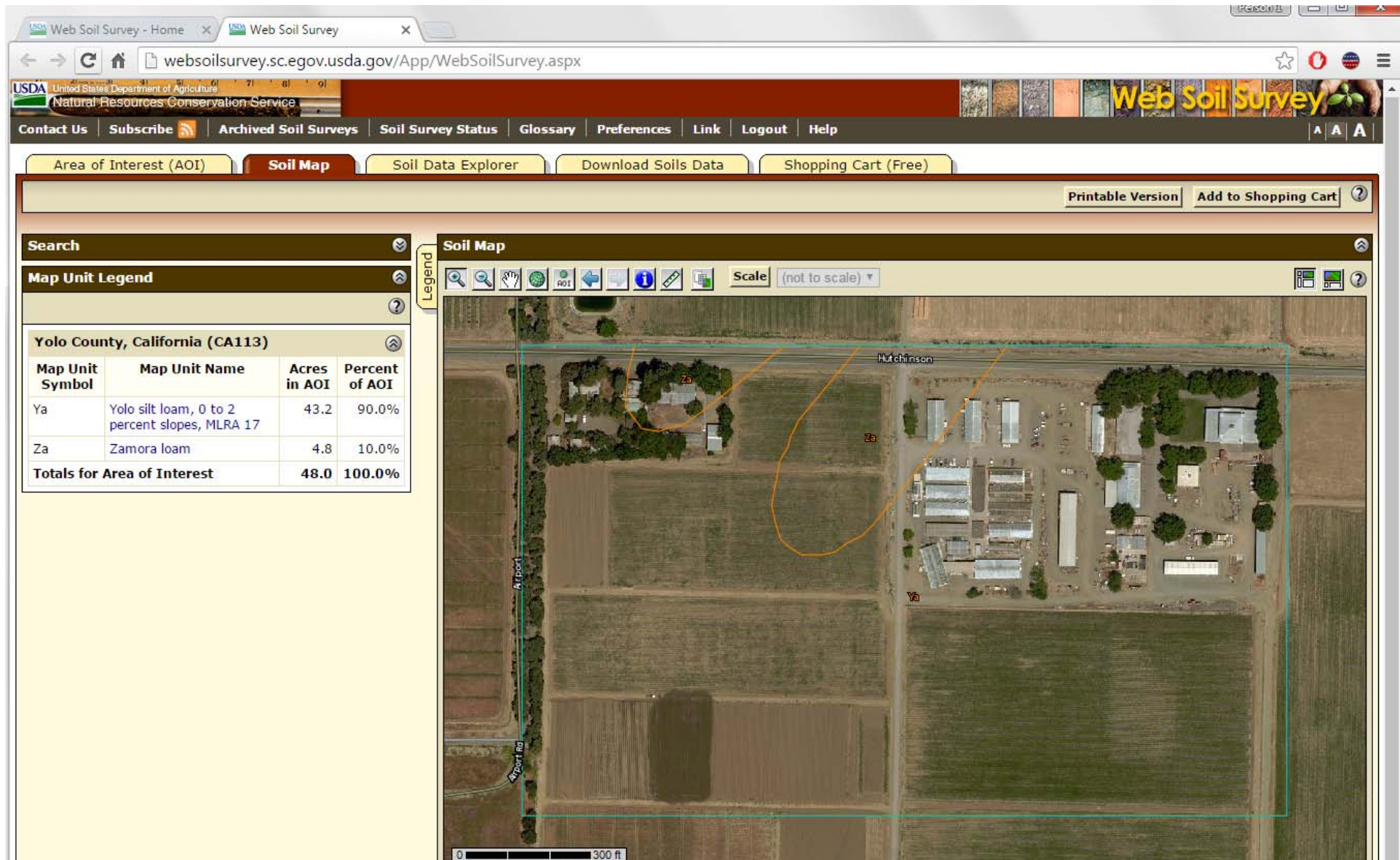


### Common Areas of bloat:

- Product label
- Web Soil Survey
- Email Threads

**ALL?**

- Web Soil Survey Example: Soil Map & AOI



## Report — Chemical Soil Properties



### Yolo County, California



Map symbol and soil name	Depth	Cation-exchange capacity	Effective cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	<i>In</i>	<i>meq/100g</i>	<i>meq/100g</i>	<i>pH</i>	<i>Pct</i>	<i>Pct</i>	<i>mmhos/cm</i>	
Ya—Yolo silt loam, 0 to 2 percent slopes, MLRA 17								
Yolo	0-2	14-20	—	6.1-7.8	0	0	0.2-1.0	0
	2-8	13-22	—	6.1-7.8	0	0	0.2-0.5	0
	8-19	13-21	—	6.1-7.8	0	0	0.2-0.5	0
	19-26	13-21	—	6.1-7.8	0	0	0.2-0.5	0
	26-33	13-19	—	6.6-8.4	0	0	0.2-0.5	0
	33-41	12-19	—	6.6-8.4	0	0	0.2-0.5	0
	41-58	12-24	—	6.6-8.4	0	0	0.2-0.5	0
	58-65	12-18	—	6.6-8.4	0-1	0	0.2-0.5	0
Za—Zamora loam								
Zamora	0-10	11-19	—	6.1-7.3	0	0	0	0
	10-40	15-20	—	6.6-7.8	0	0	0	0
	40-51	6.0-14	—	6.6-8.4	0	0	0.0-2.0	0
	51-60	6.0-14	—	6.6-8.4	0	0	0.0-2.0	0

# Report — Particle Size and Coarse Fragments



## Yolo County, California



Map symbol and soil name	Horizon	Depth	Sand	Silt	Clay	Total fragments	Fragments 2-74 mm	Fragments 75-249 mm	Fragments 250-599 mm	Fragments >=600 mm
		<i>In</i>	<i>L-RV-H Pct</i>	<i>L-RV-H Pct</i>	<i>L-RV-H Pct</i>	<i>RV Pct</i>	<i>RV Pct</i>	<i>RV Pct</i>	<i>RV Pct</i>	<i>RV Pct</i>
Ya—Yolo silt loam, 0 to 2 percent slopes, MLRA 17										
Yolo	Ap1	0-2	5- 7- 32	50-68- 77	18-25- 27	—	—	—	—	—
	Ap2	2-8	5- 7- 55	27-67- 77	18-26- 30	—	—	—	—	—
	A1	8-19	5- 7- 55	27-67- 77	18-26- 30	—	—	—	—	—
	A2	19-26	5- 7- 55	27-67- 77	18-26- 30	—	—	—	—	—
	C1	26-33	5- 7- 32	50-68- 77	18-25- 27	—	—	—	—	—
	C2	33-41	5- 7- 32	50-70- 77	18-23- 27	—	—	—	—	—
	Ab	41-58	5- 7- 25	44-63- 77	18-30- 35	—	—	—	—	—
	C'3	58-65	5- 7- 30	45-70- 77	18-23- 27	—	—	—	—	—
Za—Zamora loam										
Zamora	H1	0-10	-37-	-43-	15-20- 25	—	—	—	—	—
	H2	10-40	-27-	-42-	27-31- 35	—	—	—	—	—
	H3	40-51	-41-	-42-	10-18- 25	5	5	—	—	—
	H4	51-60	-41-	-42-	10-18- 25	28	28	—	—	—

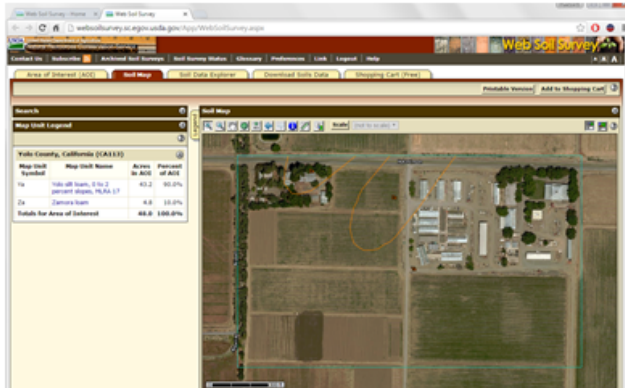
**Yolo County, California**


Map symbol and soil name	Horizon Name	Depth (inches)	Organic matter low (Pct)	Organic matter RV (Pct)	Organic matter high (Pct)
Yolo	Ap1	0-2	2.0	2.4	3.0
	Ap2	2-8	1.5	2.1	2.5
	A1	8-19	1.0	1.8	2.0
	A2	19-26	0.8	1.6	1.8
	C1	26-33	0.7	1.3	1.5
	C2	33-41	0.5	1.1	1.2
	Ab	41-58	0.5	1.4	1.5
	C'3	58-65	0.3	0.6	0.8
Za—Zamora loam					
Zamora	H1	0-10	2.0	3.0	4.0
	H2	10-40	0.5	0.8	1.0
	H3	40-51	0.0	0.3	0.5
	H4	51-60	0.0	0.3	0.5

- Combine the 4 Images into 2 Page Word document:

Yolo-WSS.docx - Microsoft Word

File Home Insert Page Layout References Mailings Review View Acrobat



Report - Chemical Soil Properties

Yolo County, California

Map symbol and soil name	Depth	Cation exchange capacity	Effective cation-exchange capacity	Soil reaction	Calcium carbonate	Gypsum	Salinity	Sodium adsorption ratio
	In	meq/100g	meq/100g	pH	Pct	Pct	mmhos/cm	
Ya-Yolo silt loam, 0 to 2 percent slopes, MLRA 17								
Yolo	0-2	14-20	—	6.1-7.8	0	0	0.2-1.0	0
	2-8	13-22	—	6.1-7.8	0	0	0.2-0.5	0
	8-19	13-21	—	6.1-7.8	0	0	0.2-0.5	0
	19-26	13-21	—	6.1-7.8	0	0	0.2-0.5	0
	26-33	13-19	—	6.6-8.4	0	0	0.2-0.5	0
	33-41	12-19	—	6.6-8.4	0	0	0.2-0.5	0
	41-58	12-24	—	6.6-8.4	0	0	0.2-0.5	0
	58-65	12-18	—	6.6-8.4	0-1	0	0.2-0.5	0
Za-Zamora loam								
Zamora	0-10	11-19	—	6.1-7.3	0	0	0	0
	10-40	15-20	—	6.6-7.8	0	0	0	0
	40-51	6.0-14	—	6.6-8.4	0	0	0.0-2.0	0
	51-60	6.0-14	—	6.6-8.4	0	0	0.0-2.0	0

Source: USDA-NRCS: Web Soil Survey

Report - Particle Size and Coarse Fragments

Yolo County, California

Map symbol and soil name	Horizon	Depth	Sand	Silt	Clay	Total fragments	Fragments 2-74 mm	Fragments 75-249 mm	Fragments 250-599 mm	Fragments >=600 mm
		In	L-RV-H Pct	L-RV-H Pct	L-RV-H Pct	RV Pct	RV Pct	RV Pct	RV Pct	RV Pct
Ya-Yolo silt loam, 0 to 2 percent slopes, MLRA 17										
Yolo	Ap1	0-2	5-7-32	50-68-77	18-25-27	—	—	—	—	—
	Ap2	2-8	5-7-32	27-67-77	18-26-30	—	—	—	—	—
	A1	8-19	5-7-32	27-67-77	18-26-30	—	—	—	—	—
	A2	19-26	5-7-32	27-67-77	18-26-30	—	—	—	—	—
	C1	26-33	5-7-32	50-68-77	18-25-27	—	—	—	—	—
	C2	33-41	5-7-32	50-70-77	18-23-27	—	—	—	—	—
	Ab	41-58	5-7-32	44-63-77	18-30-35	—	—	—	—	—
	C3	58-65	5-7-32	45-70-77	18-23-27	—	—	—	—	—
Za-Zamora loam										
Zamora	H1	0-10	-37-	-43-	15-20-25	—	—	—	—	—
	H2	10-40	-27-	-42-	27-31-35	—	—	—	—	—
	H3	40-51	-41-	-42-	10-18-25	5	5	—	—	—
	H4	51-60	-41-	-42-	10-18-25	28	28	—	—	—

Yolo County, California

Map symbol and soil name	Horizon Name	Depth (inches)	Organic matter low (Pct)	Organic matter RV (Pct)	Organic matter high (Pct)
Yolo	Ap1	0-2	2.0	2.4	3.0
	Ap2	2-8	1.5	2.1	2.5
	A1	8-19	1.0	1.8	2.0
	A2	19-26	0.8	1.6	1.8
	C1	26-33	0.7	1.3	1.5
	C2	33-41	0.5	1.1	1.2
	Ab	41-58	0.5	1.4	1.5
	C3	58-65	0.3	0.6	0.8
Za-Zamora loam					
Zamora	H1	0-10	2.0	3.0	4.0
	H2	10-40	0.5	0.8	1.0
	H3	40-51	0.0	0.3	0.5
	H4	51-60	0.0	0.3	0.5

Page: 2 of 2 Words: 5

63%



## Peeling the Onion: The “perfect” FDN

- The Perfect Notebook



# Peeling the Onion: The “perfect” FDN

Sometimes  
field work is  
just plain  
dirty work...

SAMPLE COLLECTION DATE: 5/20/15

SAMPLE ID*	CROP FRACTION	WEIGHT (INCLUDE UNITS)	APPROXIMATE TIME OF DAY OF COMPLETION OF SAMPLE COLLECTION	APPROXIMATE TIME OF DAY THAT SAMPLE WAS PLACED IN FREEZER	APPROXIMATE ELAPSED TIME TO FREEZER FROM SAMPLE COLLECTION	FREEZER ID	INITIALS & DATE
A	untreated leaf & stalk	25.75 LB	7:05 AM	2:45 PM	7 HR 50 MIN	DR12	RCV 5/20/15
B		26.25 LB	7:20 AM	2:45 PM	7 HR 35 MIN	DR12	
C		16.5 LB	8:15 AM	2:45 PM	6 HR 30 MIN	CHEST FREEZER	
D	LE	26.0 LB	8:25 AM	2:45 PM	6 HR 20 MIN		
E	16/16	29.25 LB	8:35 AM	2:45 PM	6 HR 10 MIN		
F		29.5 LB	8:45 AM	2:45 PM	6 HR.		
G		29.25 LB	7:30 AM	2:45 PM	7 HR 15 MIN		
H		29.50 LB	7:40 AM	2:45 PM	7 HR 5 MIN		
I		23.25 LB	7:50 AM	2:45 PM	6 HR 55 MIN		
J	✓	20.0 LB	8:00 AM	2:45 PM	6 HR 45 MIN		RCV 5/20/15
				RCV 5/20/15			

\* See Protocol Section 18 for assigned Sample ID code

Was a GLP-maintained scale used to determine weight of residue samples? YES ☐ NO ☒

**CROP DESTRUCT:** Please describe in Part 5I of this Field Data Book how the (leftover) treated crop has been destroyed or handled in such a way that it cannot be consumed as a human food or animal feed.

ABOVE DATA ENTERED BY: RCV

DATE: 5/20/15

# GLP Compliance

## Adjuvants

- Check the missing items **not** the items that are present.
- If you check any of the items listed, mark “NO” for GLP compliance.
- If you aren’t using an adjuvant, mark “N/A”.

FIELD ID NO: \_\_\_\_\_

### IR-4 FIELD DATA BOOK

#### PART 1. GOOD LABORATORY PRACTICE COMPLIANCE INFORMATION

##### B. GOOD LABORATORY PRACTICE STATEMENT

*INSTRUCTIONS: The Field Research Director should print his/her name, sign, and date the Good Laboratory Practice statement. Additionally, the GLP compliance status of data in this study should be documented.*

I, \_\_\_\_\_, served as "Field Research Director" for this research trial. I have reviewed the appropriate raw data and I attest that the data accurately reflect the conduct of and the observations made during this trial. All activities associated with this trial were conducted according to *Chapter 40, Code of Federal Regulations, Part 160* or OECD Good Laboratory Practices, except for those noted below (check appropriate GLP status column):

GLP Compliant			DATA CATEGORY
YES	NO	NA <sup>1</sup>	
	X		<b>FIELD PERSONNEL SHOULD NOT LINE OUT BLANK CELLS ON THIS PAGE</b>
			<u>Weather, irrigation, and soil characterization data</u> are not required by the protocol to be compliant with GLP's and are noted as non-compliant in the final report for the study.
			TEST SITE HISTORY (chemical applications prior to the trial year) (FDB Part 5)
			CULTURAL PRACTICES (dating back to harvest of the previous crop), MAINTENANCE FERTILIZERS AND PESTICIDES (current trial year) (FDB Part 5)
			In U.S. trials, GLP-compliant equipment must comply with 40 CFR 160, Subpart D, which includes 160.81 (b) (11). Adjuvants in U.S. trials must comply with 40 CFR 160.83.
	X		<b>ADJUVANT LABELING AND RECEIPT INFORMATION</b> (check missing items) Receipt of the adjuvant at the field facility (usually the purchase date): Identity and concentration of the adjuvant (on the adjuvant label): Recommended storage conditions (on the adjuvant label): Expiration date (if not on the label, then assigned by field personnel):
			ENVIRONMENTAL MONITORING DEVICES for test substance storage (FDB Part 4)
			GLOBAL POSITIONING DEVICE used to determine plot location (FDB Part 5)
			FLOW METERS and similar SPRAYER OUTPUT CALIBRATION EQUIPMENT used to <u>measure</u> water ( <b>excluding</b> marked, calibrated beakers, graduated cylinders or flasks suitable for scientific research) (FDB Part 6)
			pH METER or STRIP for measuring the acidity of the carrier (water) (FDB Part 6)
			RESIDUE SAMPLE WEIGHING EQUIPMENT (FDB Part 7)
			ENVIRONMENTAL MONITORING DEVICES for sample storage (FDB Part 7)
			List below additional <i>non</i> -compliant items (additional pages may be used for more items)

<sup>1</sup>"NA" should be checked for equipment that was not used in this trial and if adjuvants were not used.

\_\_\_\_\_  
SIGNATURE OF FIELD RESEARCH DIRECTOR

PART 1 PAGE \_\_\_\_

\_\_\_\_\_  
DATE

Trial Year 2016

# GLP Compliance

## YES

- Means you did use it and it was GLP compliant

## NO

- You did use it and it was **not** GLP compliant

## NA

- You did not use it in your trial

# GLP Compliance

**Think about your trial...**



- If you aren't using a flow meter, don't say "NO", mark "N/A" instead.
- If your aren't measuring carrier or water pH – don't mark "NO", mark "N/A" instead.



## IR-4 FIELD DATA BOOK

# GLP Compliance

Don't cross out the blank lines...

The QC reviewer or Study Director may need to add additional compliance issues.

### PART 1. GOOD LABORATORY PRACTICE COMPLIANCE INFORMATION

#### B. GOOD LABORATORY PRACTICE STATEMENT

INSTRUCTIONS: The Field Research Director should print his/her name, sign, and date the Good Laboratory Practice statement. Additionally, the GLP compliance status of data in this study should be documented.

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GLP Compliant			DATA CATEGORY
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In U.S. trials, GLP-compliant equipment must comply with 40 CFR 160, Subpart D, which includes 160.81 (b) (11). Adjuvants in U.S. trials must comply with 40 CFR 160.83.			
			ADJUVANT LABELING AND RECEIPT INFORMATION (check missing items): Receipt of the adjuvant at the field facility (usually the purchase date): _____ Identity and concentration of the adjuvant (on the adjuvant label): _____ Recommended storage conditions (on the adjuvant label): _____ Expiration date (if not on the label, then assigned by field personnel): _____
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			RESIDUE SAMPLE WEIGHING EQUIPMENT (FDB Part 7)
			ENVIRONMENTAL MONITORING DEVICES for sample storage (FDB Part 7)
List below additional <i>non</i> -compliant items (additional pages may be used for more items)			

<sup>1</sup>"NA" should be checked for equipment that was not used in this trial and if adjuvants were not used.

SIGNATURE OF FIELD RESEARCH DIRECTOR

DATE



**Questions?**

**Announcements?**

**Comments/Feedback?**



## 2017 National Training

Mark your calendars:

February 28-March 1, 2017

Orlando, Florida



## Western Region 2016 Training Webinars

**Thank you for attending**

Training documentation will be provided

Concerns, Questions, Feedback

Mika Tolson, Stephen Flanagan and Becky Sisco  
(530) 752-7635, 752-7634  
wrfield@ucdavis.edu



## Next Western Region 2016 Training Webinar

DATE: Monday, November 14th  
TIME: 11:00 am – 12:30 pm PDT  
AUDIENCE: All

***Topic: GLP History & Practice  
What started this mess😊***



## Western Region 2016 Training Webinars

### **Post-Meeting Survey**

1. Pops up when the webinar is finished
2. Please fill it out 😊
3. Your feedback is important to us and will help us improve future training webinars.