October 2019: Agenda

What we'll cover today:

- Preparing for a QA Visit
- Test substances and labels
- Rounding
- When Things Go Wrong
- Crop Destruct
- Application overage: Reality Check
- Representative Samples



PREPARING FOR A QA VISIT

Sherita Normington Western Region Webinar October 15, 2019



SN

"By failing to prepare, you are preparing to fail" - Benjamin Franklin



What I will cover

- How I prepare
- What I expect of Field Research
 Directors
- Examples of what can go wrong when not prepared



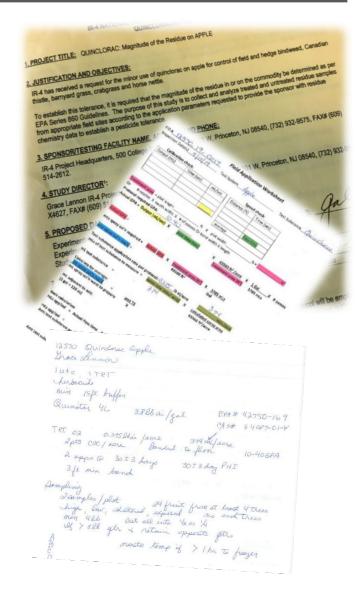
How QA prepares

- Notify FRD of targeted studies
- Set up inspection date, time and location with FRD
- Make travel arrangements



My preparation

- Print out protocol & all applicable amendments
- Print out field application worksheet
- Read protocol & amendments and note important points





Field Research Director Preparation

- Protocol/applicable amendments and read them!
 - Signed protocol may not be same as any drafts you may have read
 - Protocol requirements can change
 - Call the Study Director if you have questions and document anything that may apply to what I am watching



Note important protocol details

- Will Meeks has a cheat sheet to identify important parts of the protocol
- Highlight or write in margins

Trt#	Treatment	Target Rate	Target Rate		
01	Untreated	of active ingredient Not Applicable	of formulated products	Application	
2	BIFENTHRIN		Not Applicable	Type Not	Range**
-	Dir Ciri (TRIN	First application: 0.1 lb ai/acre	Ap. 1: 453.6 grams/acre + adjuvant***	Applicable	Not Applicable
		Applications 2 and 3	Ans 2/2.007 -	Foliar	50-100 GPA
the n	ininal concentration	ation of the formulated to tration).	est substance will be used in calculating appl	leation	
All an	gallons per acre		rate recommended by the adjuvant label unl ials conducted by the same Field Research D Data Book	ication rates (s	ee Section 13
an cap	sincauons shall	Include an adjuncant at	rate recommended by the adjuvant label unl ials conducted by the same Field Research D Data Book.		

	IR-4 Protocol Summary					
t	Chem/crop					
	ID#					
	Study Director					
	Trial Location					
ns	Application Type Application Rate					
	Application interval timing/phi					
	Application dates					
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FRD preparations

- Sign Part 2A of the Field Data Book
- Test substance GLP characterized
 - Properly labeled Name, Lot/Batch #, Expiration date, Storage conditions
 - Identity between protocol vs label vs
 Certificate of Analysis
 - Can you find it in your storage area?



FRD Preparations

- Adjuvant properly labeled identity, concentration, expiration date, storage
- Adjuvant label in FDB
- Plot map completed
- Plot markers in place
- Trial differentiation if needed
- SOPs available
- Do a dry-run



Checklist of items for the field

Julie Coughlin's Spray Checklist

The Project

SPRAY CHECKLIST - BANANA / RELY

SAFETY GEAR

Hat Gloves Tyvek Boots Sunglasses Sunscreen

SPRAY EQUIPMENT

CO2 backpack CO2 tank CO2 regulator Spray boom 3-liter spray bottles (2) 3-liter spray head Extra nozzles and screens Plastic beakers (4) Graduated cylinder (2000 mL, 1000 mL 500 mL, 250 mL, 100 mL, 50 mL) Funnel small Soap Paper Towels Rely 280 Unfoamer Ammonium Sulfate Water Container SS Beaker 2 rubbbermaid buckets Wrenches and Screwdriver Mixing Spoon

WEATHER EQUIPMENT. ETC.

pH paper Soil thermometer Wind meter Humidity/Temp. Recorder Metronome / Stopwatch

MISC.

Field data book SOP's Pen Digital Camera Plastic bag for trash Water Bottle Sharpie Pen WPS Posting sheet Cooler bag for ts Hobo Hobo Shuttle EPP-02 pipettor and tips

SAMPLING

2 coolers with blue ice 2 Hobos for coolers Sample Bags (labeled) Home depot buckets (2) Kitchen trash bags (4) Cutting Board and Knife (2) Tyvek suits for re-entry into TRT plot

Inspection Day

- Don't change the way you do things
- Be prepared for QA to verify your calculations and tank mix preparation...things may take longer
- Be prepared to complete parts of the field data book for the events I watched
- If you address findings during the inspection "No response needed"



Failing to prepare

- Plot is 6 grape vines instead of 14
- Wrong adjuvant being used
- Wrong volume of adjuvant being used
- Different applications have different rates
- Not enough test substance if something goes wrong
- No cutting board and knife to cut samples in 1/2s or 1/4s
- Didn't know output recheck needed



Prepare to succeed

- We all need to prepare to be successful
- Preparation helps for a smooth, stress-free inspection
- A little preparation up front saves time in the end
 - Extra documentation
 - Failed trials
 - Emails/phone calls
 - Protocol deviations



Uh Oh

When Things Go Wrong

- For Example
 - Test substance spills
 - Application equipment malfunctions
 - •Crop failures
 - Phytotoxicity
 - •Field researcher malfunctions...





Uh Oh

What To Do?

- Contact Study Director and Regional Field Coordinator
 Factually describe what happened
 - Not blaming
 - •Followup needed
 - Resources
 - More test substance, new trial, etc.
 - Documentation in logs/notebook/photos
 - Other next steps and recommendations

•Prevention Strategies



Next Training Session

National Education Conference

February 25-26, 2020 San Diego, CA

Next WR Training Webinar

DATE:Early Spring TBDTIME:11:00 am - 12:00 pm PDTAUDIENCE:All



Thank you for attending

Training documentation will be provided Concerns, Questions, Feedback

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