

Mika Pringle Tolson

From: Seth Watkins <swatkins@ucdavis.edu>
Sent: Wednesday, December 10, 2014 1:31 PM
To: Mika Pringle Tolson
Subject: RE: QC Review of Dinotefuran/Plum 11199.14-CA46
Attachments: Copy of 13 IR-4 prune.pdf; Copy of 13 IR-4 prune1.pdf; Dinotefuran_Plum_11199_14-CA46_Review(Watkins).docx

Mika,

QC responses and additional requested info attached.

Thanks,
Seth

From: Mika Pringle Tolson [<mailto:mptolson@ucdavis.edu>]
Sent: Tuesday, November 25, 2014 2:09 PM
To: Seth Watkins
Cc: dorschner@aesop.rutgers.edu; Rebecca Sisco; Stephen Flanagan
Subject: QC Review of Dinotefuran/Plum 11199.14-CA46

Hi Seth,

Nice job on these first notebooks! I am attaching my QC review of your Dinotefuran/Plum 11199.14-CA46 notebook along with the application verification. There are just a few items and some suggestions.

Please send your responses back to me within the next 2 weeks. Feel free to call me if you have any questions.

Once we've made the corrections, I will send you an email with the changed pages. You'll also receive an email from Jackie or Linley when the final notebook is scanned and has been sent on for QA review. The final scan will be available on our western region website, and you can download and use this copy when responding to the QA audit.

Wishing all a Happy Thanksgiving!
-Mika

Mika Pringle Tolson
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Part 3 Page 16A

MPT 12/11/14

November 25, 2014

Seth Watkins
Plant Sciences Department
University of California
1 Shields Avenue
Davis, CA 95616

Dinotefuran/Plum
11199.14-CA46

Dear Seth:

I am working with Becky Sisco to conduct field data book reviews from a quality control point of view. I have completed my review of the study listed below and have the following questions and concerns.

Please respond within two weeks of receiving this letter. I am authorized to make additions and corrections to the original raw data based on information you provide to me.

If you have any questions, please contact me. Thank you for your assistance in addressing these issues.

Sincerely,

Mika Tolson
Assistant Regional Field Coordinator
Western Region IR-4 Program
(530) 752-7635
mptolson@ucdavis.edu

Dinotefuran Magnitude of the Residue on Plum (11199.14-CA46)

1. **Overall this notebook is very neat and carefully done with good attention to the the information provided. I am including some suggestions to make your future notebooks even better.**

Communication Log: If emails are included in the notebook, no need to list them in the communication log, but please continue including phone conversations and other information not elsewhere in the book.

Test Substance Shipping Reference: If an SDS for the test substance is included, please add it to the notebook. Also consider adding the applicable pages from the product label (if available).

Other Logs/Soil Samples: Highlighting the lines that pertain to this trial is very helpful.

Printed Pictures/Maps: Reducing the image size so the margins are larger for page numbering and signatures, and adding text boxes in Word, or white stickers for the notations (plot locations, direction, etc.) will make the pages more readable.

Discharge Calibration: Dividing the total output by the total time is more accurate than dividing the average output by average time when calculating the average ml/sec discharge.

CIMIS Report: Marking the dates of applications and harvests on the printout is most helpful.

pt 3 Pg 16 B

MPT 12/11/14

2. **Part 4 Page 10 (Spray Additives):** May I check not available for the expiration date?
Yes. SW 12/1/2014 *Checked MPT 12/11/14*
3. **Part 5 Page 6 (Plot Plan Info):** May I add a note that CA46 and CA47 in this study were located in the same block of trees, but CA46 was harvested >1 month (6/19/14) before the first application in CA47 (7/23/14)?
OK to add. SW 12/1/2014 *Note added MPT 12/11/14*
4. **Part 5 Page 8 (Plot Map):** Thank you for a very neatly drawn map!
5. **Part 5 Page 10 (Soil Sample Results):** May I highlight Sample 15 pertaining to this trial?
Yes. SW 12/1/2014 *Highlighted MPT 12/11/14*
6. **Part 5 Page 13 (Test Site History):** Section 12 of the protocol requires site history for a minimum of 1 year and preferably 3 years prior to the production of the current crop. The first product listed is on 3/13/14. Were any products applied to the plot in the previous crop year (summer 2012-summer 2013)? If so, please provide a supplemental page and allow me to add it to the notebook. If not, may I add a note indicating no products were applied in that time period?
Supplemental page attached, please add. SW 12/9/2014 *Added Pt 5 Pg 13A MPT 12/11/14*
Is the site history for the previous 2 years (2010-11, and 2011-12) available? If so, please provide the pages and allow me to add them to the notebook.
History for 2010-11 and 2011-12 not available. SW 12/9/2014 *OK MPT 12/11/14*
7. **Part 5 Pages 15-16 (Cultural Practices and Maintenance Chemicals):** The first activity listed for this trial was on 3/13/14 (cultural practices) and 5/26/14 (maintenance chemicals). Were any cultural practices or maintenance fertilizers and pesticides (including adjuvants) applied to the plums from the harvest of the last crop (summer 2013) until the first activity listed? If so, please provide the lists on separate pages and allow me to add them to the notebook. If not, may I add a note to the pages?
Supplemental page attached for additional cultural practices. No additional maintenance chemicals were used. SW 12/10/2014 *Added Pt 5 Pg 15A MPT 12/11/14*
8. **Part 6 Page 2 (Equipment Diagram):** Nice diagram – simple and clear. Thank you!

May I add a note that nozzles on the left side of the airblast sprayer were used in both applications?
Yes. SW 12/1/2014 *Note added MPT 12/11/14*
9. **Part 6 Pages 11 and 23 (Post Treatment Records):** May I change the rain information to “none before harvest”?
Yes. SW 12/1/2014 *Note added MPT 12/11/14*
10. **Part 6 Page 12 (Multiple Trial Differentiation):** May I add a note in additional information that CA 46 variety was Santa Rosa plum and first application was 6/9/14, CA47 variety was French prune and first application was 7/23/14?
Yes. 12/1/2014 *Note added MPT 12/11/14*
11. *If you would like me to make additional corrections not included in this review, please bring them to my attention.*

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
	TRT Date	TRT Area Length (Feet)	Row / Bed Width (Feet)	# of Rows or Beds	Treated Area (Sq.Ft.)	Total Pass Time (Sec)	Weight of Form. Used (g)	Weight of Form. Used (lb)	Vol. of Carrier (mL)	Volume of Adjuvant (mL)	Total Mix. Vol. (mL)	Total Mix. Vol. (gal)	Adj %v/v	Boom Discharge Rate (mL/sec)	Calc. Del. Rate (mL/A)	Calc. Del. Rate (gal/A)	form / Acre (lb/A)	Conc. of Form (%)	Actual Rate (lb ai/A)	Protocol Rate (lb ai/A)	% Dev.
1																					
2	Calculations				B3*C3* D3			G3/ 453.59			I3+J3	K3/ 3785	(J3/K3)* 100		((M3*F3)/E 3)*43560	N3/3785	(O3*H3)/ L3		(Q3*P3)/ 100		((R3-S3)/ S3)*100
3	6/9/2014	36	15	1	540	17.68	34.2	0.0754	14995	4.7	15000	3.963	0.03%	230.86	329249	86.988	1.65499	20	0.331	0.304	9
4	6/16/2014	36	15	1	540	17.85	34.2	0.0754	14995	4.7	15000	3.963	0.03%	217.18	312717	82.62	1.5719	20	0.314	0.304	3
5																					
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11																					

Adjuvant used was Acti-Spred with label rate of 4 oz/100 gallons, or 0.03125% v/v ratio. Both applications were within label rates.

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