

From: David Ennes <djennes@ucanr.edu>

To: 'Grace Lennon' <galennon8@aol.com>

Cc: Rebecca Sisco <rsisco@ucdavis.edu>; Stephen Flanagan <srflanagan@ucdavis.edu>; Ken Samoil <samoil@aesop.rutgers.edu>

Subject: 11342.14-CA59 Buprofezin Fig QC Review Findings Responses

Date: Fri, Dec 12, 2014 1:05 pm

Attachments: QC_FDB_Review-figs.docx (24K)

Grace: Attached are my responses to your QC review findings.

Thanks,

David

PART 3; PAGE 14A

gal
12-12-14

Buprofezin/Fig (Dried)/11342.14-CA59

Dear David:

I have been contracted by the IR-4 Program Western Region Coordinator, Rebecca Sisco, to conduct field data book reviews from a quality control point of view rather than a QA perspective. I have completed my initial review of the study listed below and have the following questions/concerns that need to be addressed before the review process is completed.

Buprofezin: Magnitude of the Residue on Fig (11342.14-CA59)

1) The following entries need to be corrected according to the GLPS. Write overs (AWs); spelling errors (SPs) and missing data are noted in red.

a) Part 4, Page 1 – The test substance is referenced in the protocol, COA and packing slip as Applaud 70 DF. On this page and the following pages (Part 4, pages 26, 27 and 32, Part 6, pages 9, 10, 26 and 27), it is referenced as Applaud DF. Please allow me to change this name to reflect the 70 DF. [PLEASE ALLOW ME TO MAKE THIS SAME CORRECTION IN FDB 11342.12-CA60.] *Corrected. gzl*
DJE 12-12-14 Yes please do this for both notebooks

b) Part 5, Page 20 – The estimated tree height is noted as ~10 ft on this page. Whereas, in Part 6, Page 2, 9, 10, 26 and 27 state that the height is ~12 ft. Please explain this discrepancy.

DJE 12-12-14 When the plots were set up in April the tree height was 10 ft (Part 5 page 20). When the applications were done in July the trees were taller. Perhaps add a note that explains this in Part 5. *Added this note to part 5. gzl*

c) Part 6, Page 13 – The measured wind speed looks like it was entered as “0.01.0”. Please allow me to add a “-“ to have it stated as “0.0-1.0”.

DJE 12-12-14 Yes please correct. *Clarified entry. gzl*

d) Part 6, Pages 24 & 25 – Please allow me to add TRT 02 to page 24 and TRT 03 to page 25.

DJE 12-12-14 Yes please do this. *Added this info. gzl*

e) Part 6, Page 26 – The amount of ts listed on this page is 115.042 gr. Whereas, on page 24, it is entered as 115.041. For consistency, please state which one should be changed.

added a note to page 24.
DJE 12-12-14 The amount on part 24 is correct. On page 26 this is the amount that was actually weighed out. Please add a note to page 26 explaining this.

f) Part 7, Pages 15 & 18 – the calculation for **Extrapolated completed dried down weight** seems to be expressed incorrectly. The way this calculation is entered it looks like the gr wet wt of large sample should be divided even the value is in the denominator. If written as a ratio instead of a calculation this would be correct. Please allow me to change the “X” to an “=” sign.

DJE 12-12-14 In this equation trying to solve for the unknown weight. I do not think replacing the x with an = sign makes any better sense. I would leave as is. *OK*

If there are additional corrections you would like made that I have not pointed out in this review, please bring them to my attention and I will make those changes in the notebook.

PART 3; PAGE 14B

gzl 12-12-14

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.	
Calculations for Bupropion Fig 11342.14- CAS9 TRT02				B3C3* DS		63J 463.69				13+J3	K3/ 3785	(J3/K3)*100		((M3*F3)/E3) *43560	N33785	(O3*H3)/ L3		(Q3*P3)/100		((R3-S3)/ S3)*100	
App 1	60	24	1	1440	33.54	117.013	0.257971	17956.25	22.5	17978.75	4.75	0.13%	196.12	198980.4	52.57078	2.855101	70	1.999	2.0125	-1	
App 2	60	24	1	1440	33.82	115.042	0.253626	17956.25	22.5	17978.75	4.75	0.13%	198.86	203444.7	53.75026	2.869987	70	2.009	2.0125	0	
					Latron B appl rate	mils 22.5	mils 17978.75	mils/100gal 473.68421	%v/v 0.125148												

The Tree fruit/nuts application section of the Latron B label states "1pt -1qt/100 gal". One pint (473.125)/100 gal was chosen for these applications. The amount used used in apps 1-2 fell within these parameters. The correct amount was used.

Good
9/12/12-14

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.
Calculations for Buprotexin/Fig11342.14-CA09 TRT03				B3*C3* D3			G3/ 453.59			I3+J3	K3/ 3785	(J3/K3)*100		((M3*F3)/E3) *45560	N3/3785	(O3*H3)/ L3		(G3*P3)/100		((R3-S3)/ S3)*100
App 1	120	24	1	2880	67.57	679.395	1.497817	20791.5	26	20817.5	5.5	0.12%	196.12	200433.9	52.9548	14.4212	70	10.095	10.0625	0
App 2	120	24	1	2880	68.02	664.172	1.464256	20791.5	26	20817.5	5.5	0.12%	198.86	204587.7	54.05222	14.39024	70	10.073	10.0625	0
					Latron B	mls	mls	mls/100gal	%v/v											
					Label rate	25	20817.5	472.72727	0.124895											

The Tree fruit/nuts application section of the Latron B label states "1pt-1qt/100 gal". One pint (473.125)/100 gal was chosen for these applications. The amount used used in apps 1-2 fell within these parameters. The correct amount was used.

Good 12-14

PART 3; PAGE 14E