

IR-4 NEC 2017
NCR Breakout Session
(3/1/17 : 1- 3 pm)

Discussion Topics:

- 1) Use of smartphone for GPS coordinates of plot corners – Need to define Standardization process in SOP. There are a number of questions regarding accuracy. Most are in agreement that 15-20' accuracy is not sufficient. Some hand-held units are showing sub-meter accuracy and are useful, but comments indicate their cost to be several thousand dollars.
- 2) Calculation verification alternatives
 - a. Use back-calculation formula with assumption of attaining desired pass time to verify if rate will fall within protocol prior to making the application.
 - b. Sending calculations to study director or RFC – Timeliness of getting feedback would be an issue. Discussed that this may be a better option for relatively new FRD's.
 - c. ARM computer software – several researchers are using both ARM and hand calculations to check or verify that their calculations are correct. If you using ARM it must be described in a relative SOP
 - d. Error discussion – Errors in measurement of carrier (reading the meniscus), pass time etc. are issues, but not necessarily measurable (i.e. was the stopwatch clicked exactly as the boom entered the plot, etc.).
- 3) Field maps – need to be made at or before application. If an error was made during the first application and you have additional field plot space, contact the study director and ask for permission to move trial. Make sure that appropriate notation is made in the FDN as test substance use log, etc. will appear off.
- 4) Test Substance amounts sent – RFC will verify with the FRD's after protocol is signed to determine amount of t.s. needed for the trial. Be sure to respond so that a sufficient amount can be sent out (best to error somewhat on the high side so you don't run short). If you have multiple trials of the same protocol and multiple t.s. bottles are sent, assign one to each trial. There was discussion on t.s. use log and that there should only be one log for multiple trials. Therefore, if you have multiple trials you should only enter in one book and make a copy at the end of the trial and place in the other book. Some FRD's disagree in that there should be two forms (one in each book) and entries made into each book as long as each book has a complete log so that the FDN is up to date. Discussion resolved that a single log should be kept and that at the end of the trial a copy should be made inserted in the other book. Perhaps making a note in the book that is in-process that when the log is complete it will be copied and inserted in both books. Following our breakout session, this topic was addressed with IR-4 HQ QA (Tammy Barkalow) who indicated that entering all t.s. removal into both books was completely acceptable.
- 5) Options for controlling pests – Trying to avoid trial losses (especially when it comes to vertebrate pests). Racoons, jackrabbits, sandhill cranes, birds – all present difficult challenges. Try to head off issues before they arise. In some occasions, study directors may ok the use of non-registered compounds known to have efficacy if they won't disrupt the residue analysis.

- 6) Facility files – what gets archived at HQ and how often. Discussion that placing as much in the FDN and then sending off to HQ for archiving anything else annually is the best alternative. SOP's – send in original for archiving to HQ each year.
- 7) Maintenance log – Question arose if it is ok to only write maintenance and GLP calibrations (not including calibrations for non-GLP applications made with the equipment). Consensus was that this was ok.
- 8) Training – Should there be a NCR training? It has been a while and it would be good for a regional training or combining again with another region. Some discussion about coupling with the beginning or end of the NCR prioritization process. Discussion also arose that the 3rd week of August may be poor timing for this meeting (conflicts with some classes beginning, etc.). Possible Monday morning of GLP training prior to the IR-4 NCR Liaison summer meeting scheduled August 21 – 22, 2017. Conducting training at MSU Hort Farm may be an option if Bernie Zandstra, MSU agrees.

Submitted by Dan Heider, U of Wisconsin

Attendees: Dan Heider, U of Wis; Scott Chapman, U of Wis; Brian Jenks, NDSU; Kirk Howatt, NDSU; Derek Killilea, NDSU; Graig Reicks, SDSU; Doug Doohan, OSU; Chengsong Hu, OSU; Leona Horst, USDA-ARS-OH; Byeongseok Ahn, PMC, Canada; Celeste Wheeler, MSU; Michael Chen, MSU; Lisa Latham, MSU; John Wise, MSU; Satoru Miyazaki, MSU; Van Starner, HQ; Susan Bierbrnner, HQ