

FIELD ID NO: _____

IR-4 FIELD DATA BOOK

PART 4. TEST SUBSTANCE AND SEED RECORDS FOR SEED TREATMENT TRIALS

A. RECEIPT, STORAGE AND DISPOSITION OF SEED--INSTRUCTIONS:

PLEASE INSERT AN IMAGE OF SEED CONTAINER LABEL AND SHIPPING DOCUMENTS FOR SEED AFTER PART 4F.

NAME OF TEST SUBSTANCE			
NAME OF TEST SUBSTANCE FORMULATION ON TREATED SEED (E.g. Darnitall 2 EC or GroundUp or XYZ8-0.)			
UNIQUE IDENTIFIER:		DATE OF RECEIPT	
<i>Provide the unique identifier of the seed as it appears on the container label(s)</i>		SEED EXPIRATION DATE (as assigned by treatment facility)	
Do not assign an expiration date if none is provided with the seed—contact the Study Director.			
SOURCE OF EXPIRATION DATE			
<i>Note the source of the expiration date of the seed (e.g., expiration date noted on treated seed container label, expiration date listed on documentation provided by treatment facility, expiration date obtained by IR-4 Headquarters)</i>			
CARRIER/TRACKING NO. E.g. UPS/ABCDE12K0601601993			
INDIVIDUAL WHO RECEIVED SEED			
WAS A BILL OF LADING/WAYBILL RECEIVED?		YES ___ NO ___	
BILL OF LADING/WAYBILL/TRACKING NO. <i>Insert true copy if a Bill of Lading or Waybill was included in the shipment</i>			
NUMBER OF CONTAINERS		CONTAINER DESCRIPTION (glass bottles, cloth bag, etc.)	
AMOUNT RECEIVED - UNTREATED		Units: (check one) grams ___ kg ___ oz ___ lbs ___	
AMOUNT RECEIVED - TREATED 1		Units: (check one) grams ___ kg ___ oz ___ lbs ___	
AMOUNT RECEIVED - TREATED 2		Units: (check one) grams ___ kg ___ oz ___ lbs ___	
CONDITION OF CONTAINER ON ARRIVAL (intact, bags broken, etc.)			
STORAGE LOCATION			
<i>Provide the location (building name, cabinet number, etc.) where the untreated and treated seed will be stored during the trial.</i>			
WAS THE SEED HELD TEMPORARILY* IN ANOTHER LOCATION PRIOR TO TRANSFER TO ITS LONG-TERM STORAGE LOCATION DURING THE FIELD TRIAL?		YES ___ NO ___	
<i>*Temperature monitoring should begin within 2 days of receipt of the seed by the Field Research Director or the designated person responsible for receiving it, regardless of where it is held or stored.</i>			
UTC and TRT SEED ARE TO BE STORED UNDER THE SAME CONDITIONS (with enough separation to avoid cross contamination)			
IF YES, ENTER LOCATION			
DATES		ESTIMATED TEMPERATURE prior to monitoring	

ABOVE DATA ENTERED BY: _____ DATE: _____

PART 4 PAGE ____

Trial Year 2021

Total number of pages in this section at initial pagination: ____ **(Paginate labels/SDS as belonging to Part 4)**

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PART 4. SEED RECORDS

C. (Formerly 4B and 4C) USE LOG AND DISPOSITION OF UNUSED SEED

*INSTRUCTIONS: Complete this log with information concerning the seed received. Insert records on form or provide equivalent information. Indicate use of the stated container of the seed by recording the dates that seed was removed, the amount of seed removed on each date, the purpose of the use (**include trial ID# for all uses on IR-4 studies**), and the initials of the individual responsible for the removal.*

NAME OF TEST SUBSTANCE ON SEED DOCUMENTATION _____

UNIQUE IDENTIFIER OF SEED _____ CONTAINER ID _____

DESCRIPTION OF SEED _____

(e.g. light brown miniscule seeds, large white seeds, small dust-like particles. Note any unusual characteristics or changes here.)

ABOVE DATA ENTERED BY: _____ INITIAL/DATE: _____

DATE SEED RECEIVED		STARTING QUANTITY OF SEED (add units)	UTC =
			TRT =
DATE REMOVED	AMOUNT REMOVED <i>(Add units)</i>	PURPOSE (include trial ID#) <i>[e.g. apply treatments, used in other research, etc.]</i>	INITIALS/DATE
	UTC-		
	TRT 1-		
	TRT 2-		
	UTC-		
	TRT 1-		
	TRT 2-		
	UTC-		
	TRT 1-		
	TRT 2-		
	UTC-		
	TRT 1-		
	TRT 2-		

Treated seed only needs to be stored and monitored until sample chain of custody receipt is received from analytical laboratory.

SAMPLE CHAIN OF CUSTODY RECEIVED? YES _____ NO _____ DATE OF RECEIPT _____

ABOVE DATA ENTERED BY: _____ DATE: _____

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PART 4. SEED RECORDS

D. IDENTIFICATION AND RECEIPT OF INOCULANT (generally applies to legumes, otherwise check with Study Director)

NOTE: THE STUDY DIRECTOR MUST BE CONTACTED PRIOR TO USE OF AN INOCULANT WITH THE SEED. Dry inoculation should be the preferred application method – Discuss with Study Director prior to seeding. Place an image of the label after Part 4F.

SEED TRT 1: NAME OF THE INOCULANT		
TYPE OF INOCULANT		
DATE OF RECEIPT		
RECEIVED BY		
DOES THE INOCULANT HAVE A BATCH OR LOT NUMBER?	YES____ NO____	
IF YES, ENTER THE BATCH/LOT NO.		
EXPIRATION DATE		
AMOUNT RECEIVED (<i>add units</i>)		
SOP UTILIZED		
CONTAINER DESCRIPTION (<i>e.g. glass bottles, bag</i>)		
CONDITION ON ARRIVAL (<i>e.g. good, bags broken, etc.</i>)		
Were the storage conditions on the label followed?	Check one: YES___ NO___	

SEED TRT 2: NAME OF THE INOCULANT		
TYPE OF INOCULANT		
DATE OF RECEIPT		
RECEIVED BY		
DOES THE INOCULANT HAVE A BATCH OR LOT NUMBER?	YES____ NO____	
IF YES, ENTER THE BATCH/LOT NO.		
EXPIRATION DATE		
AMOUNT RECEIVED (<i>add units</i>)		
SOP UTILIZED		
CONTAINER DESCRIPTION (<i>e.g. glass bottles, bag</i>)		
CONDITION ON ARRIVAL (<i>e.g. good, bags broken, etc.</i>)		
Were the storage conditions on the label followed?	Check one: YES___ NO___	

ABOVE DATA ENTERED BY: _____ DATE: _____

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PART 4. SEED STORAGE RECORDS

E. STORAGE BUILDING TEMPERATURE LOG

INSTRUCTIONS: Use this (or an equivalent) form when storage building temperatures are taken manually. For each day that temperatures are taken, directly record the date, the minimum and maximum air temperature, the degree units (°F or °C) and provide the initials of the person entering the data. When temperature records are monitored automatically, the original or certified true copy of the output (data logger disk, computer printout, etc.) must be placed in the Field Data Book.

STORAGE LOCATION: _____
Provide the location (building name, cabinet numbers, etc.) where the seed is being stored during the trial.

UNIQUE IDENTIFIER FOR TEMPERATURE RECORDER: _____
Enter Temperature Recorder ID—may be make/model/serial# or assigned identifier.

DATE	TEMP MIN/MAX	INITIALS	DATE	TEMP. MIN/MAX	INITIALS	DATE	TEMP MIN/MAX	INITIALS

Please enter the overall minimum and maximum storage temperatures below, even if temperature printouts are inserted. The overall min/max temperatures should not include temperatures during transportation between storage and field. If there are two or more seed containers (or separate shipments of seed), then enter separate min/max temperatures below for each one, depending on the dates of receipt and planting dates. Untreated and treated seed should have enough separation to avoid contamination.

****Temperature records for treated seed should be kept from DATE OF RECEIPT until DATE OF PLANTING.***

*Treated Seed 1:	
Minimum seed storage temperature between receipt and date of planting:	
Maximum seed storage temperature between receipt and date of planting:	
*Treated Seed 2:	
Minimum seed storage temperature between receipt and date of planting:	
Maximum seed storage temperature between receipt and date of planting:	

Unless otherwise noted above, all temperature units are in (Check one): °C _____ °F _____

Above data entered by: _____ Date _____

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PART 4. SEED RECORDS

F. BALANCE CALIBRATION CHECK

INSTRUCTIONS: Complete this form or provide equivalent information for the seed. Check balance calibration by weighing standard weights that bracket the desired measurement. Record: date(s) that the balance calibration was checked, the standard weights, and the results. In addition, provide dates and a brief description of maintenance and repair work completed on the balance relevant to the trial. Be sure to initial all entries.

MAKE, MODEL, SERIAL NUMBER OR ASSIGNED IDENTIFIER: _____

UNITS MEASURED _____

Date	Stated Wt.	Recorded Wt.	Stated Wt.	Recorded Wt.	Initials

Stated Wt. = Stated mass of the standard weight(s) used in the calibration check

If more than one weight is used to attain the standard weight, indicate on the lines below the individual weights.

Recorded Wt. = Actual recorded mass of the standard weight(s)

RECORD DATES AND BRIEF DESCRIPTION OF ANY CALIBRATION, MAINTENANCE AND REPAIR WORK DONE ON BALANCE

ABOVE DATA ENTERED BY: _____ DATE: _____

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