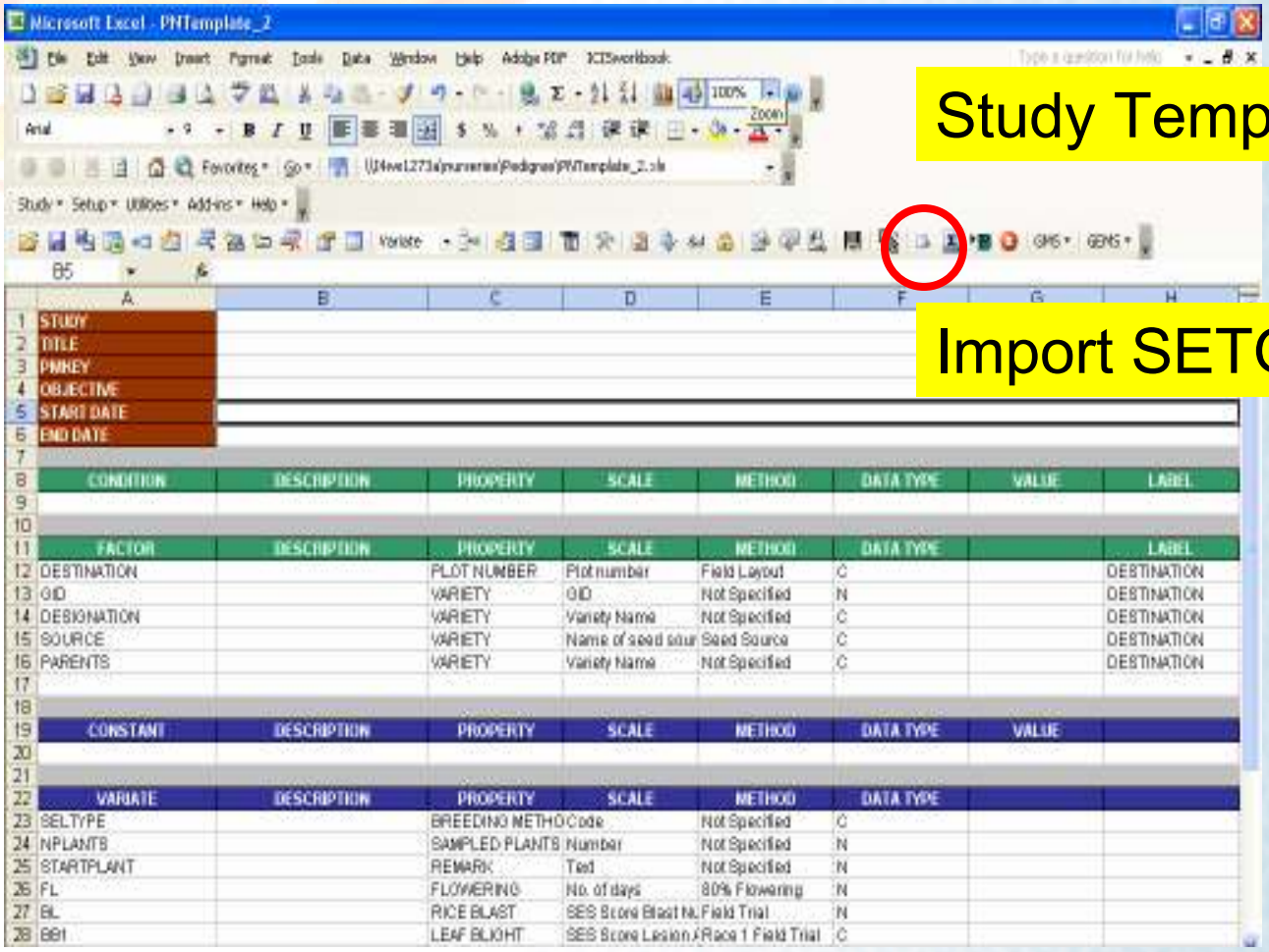
Data Collection Using Handheld PC

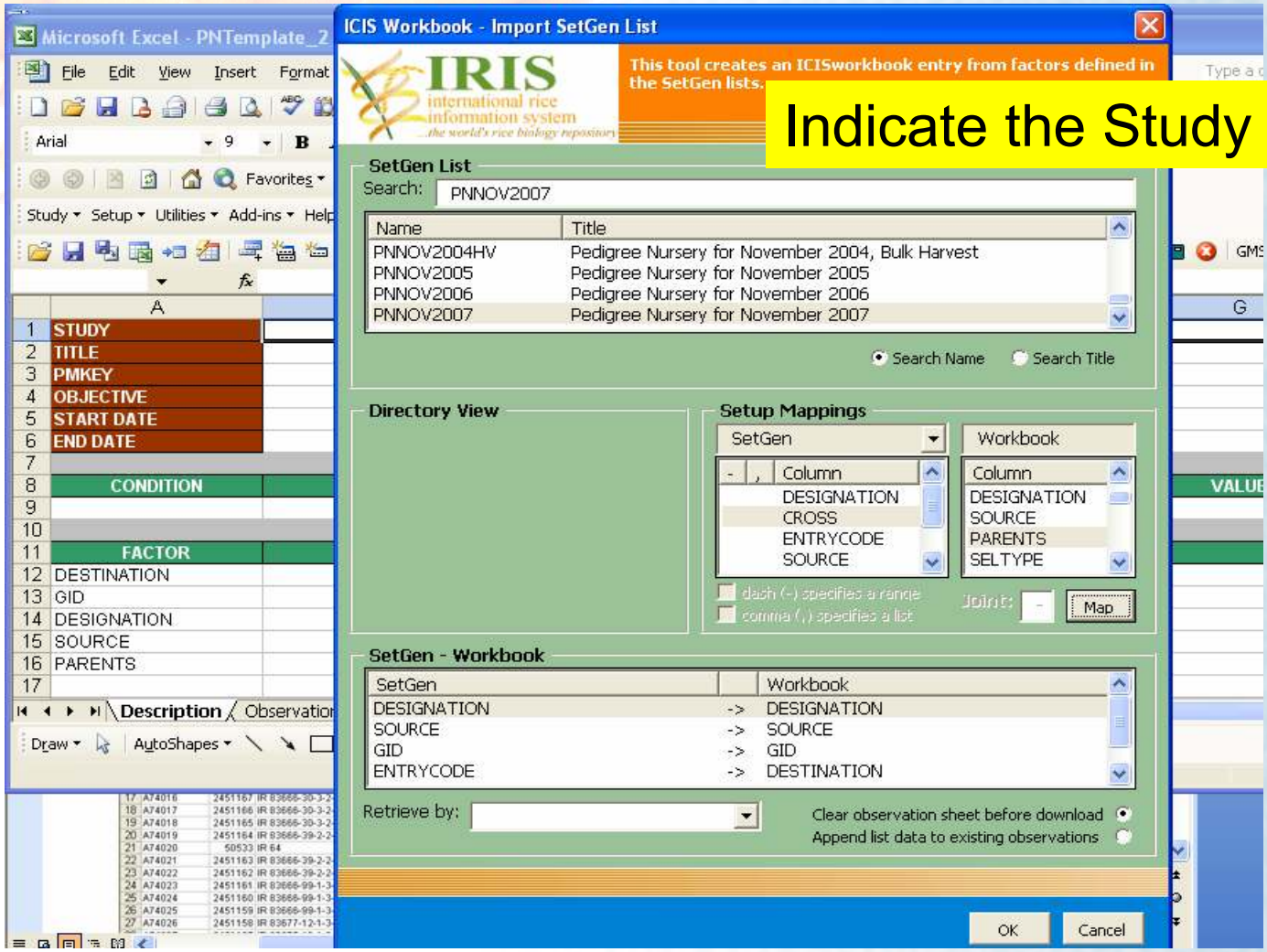
Plant Breeding, Genetics and Biotechnology Division

IRRI

Retrieve SETGEN List



Retrieve SETGEN List



Retrieve SETGEN List

	A	B	C	D	E	Barcode Entry	G	H	I	J
1	DESTINATION	GID	DESIGNATION	SOURCE	PARENTS	SELTYPE	NPLANTS	STARTPLANT	FL	BL
2	A59001	2433675	IR 82472-23-1-2-3-1	A29						
3	A59002	2433674	IR 82472-23-1-2-3-2	A29						
4	A59003	2433673	IR 82472-23-1-2-3-3	A29						
5	A59004	2433672	IR 82486-3-3-2-3-1	A29						
6	A59005	2433671	IR 82486-3-3-2-3-2	A29						
7	A59006	2433670	IR 82486-3-3-2-3-3	A29						
8	A59007	2433669	IR 82486-27-3-3-1-1	A29						
9	A59008	2433668	IR 82486-27-3-3-1-2	A29						
10	A59009	2433667	IR 82486-27-3-3-1-3	A29326	IR 72860-74-1-2-1/IR 72158-11-5-2-3					
11	A59010	2433666	IR 82486-94-3-3-2-1	A29349	IR 72860-74-1-2-1/IR 72158-11-5-2-3					
12	A59011	2433665	IR 82486-94-3-3-2-2	A29349	IR 72860-74-1-2-1/IR 72158-11-5-2-3					
13	A59012	2433664	IR 82486-94-3-3-2-3	A293						
14	A59013	2433663	IR 82493-4-2-2-2-1	A293						
15	A59014	2433662	IR 82493-4-2-2-2-2	A293						
16	A59015	2433661	IR 82493-4-2-2-2-3	A29374	IR 00A115/IR 01N144					
17	A59016	2433660	IR 82493-19-3-2-3-1	A29388	IR 00A115/IR 01N144					
18	A59017	2433659	IR 82493-19-3-2-3-2	A29388	IR 00A115/IR 01N144					
19	A59018	2433658	IR 82493-19-3-2-3-3	A293						
20	A59019	2433657	IR 82493-24-3-2-4-1	A293						
21	A59020	94801	IRRI 123	CHE						
22	A59021	2433656	IR 82493-24-3-2-4-2	A293						
23	A59022	2433655	IR 82493-24-3-2-4-3	A293						
24	A59023	2433654	IR 82493-40-3-2-3-1	A294						
25	A59024	2433653	IR 82493-40-3-2-3-2	A29401	IR 00A115/IR 01N144					
26	A59025	2433652	IR 82493-40-3-2-3-3	A29401	IR 00A115/IR 01N144					
27	A59026	2433651	IR 82493-53-2-2-2-1	A29406	IR 00A115/IR 01N144					
28	A59027	2433650	IR 82493-53-2-2-2-2	A29406	IR 00A115/IR 01N144					

Copy Destination, GID and Designation Columns to another file

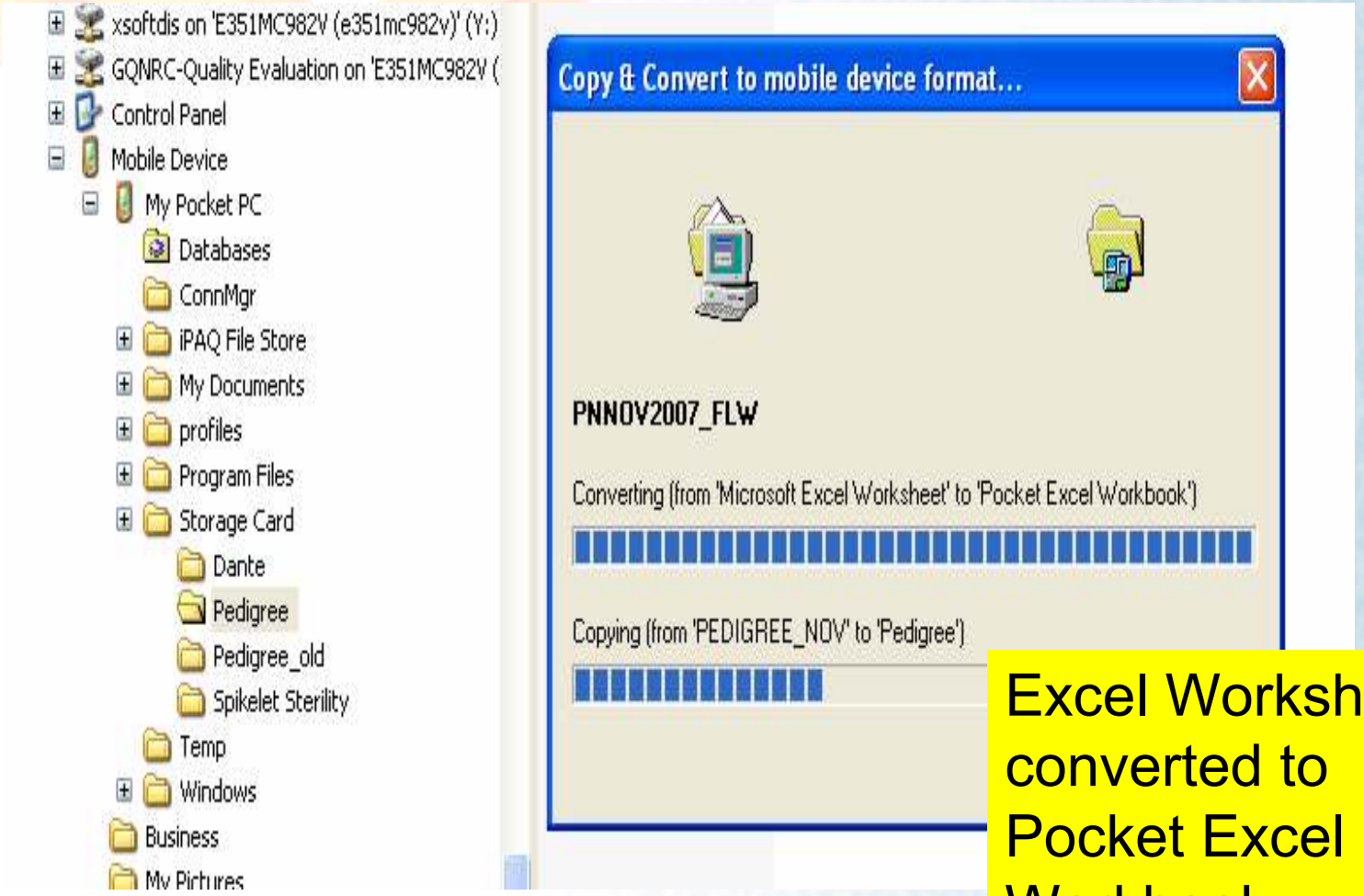
Add the variable columns

a column for barcodes will be added later on

IRRI

Transfer file to Handheld PC

Transfer file to Handheld PC



Excel Worksheet converted to Pocket Excel Workbook

Collect Data in the Field

Collect Data in the Field

	A	I	W	X
1	DESTINATION	FL		
2	A59001	2/2/2008		
3	A59002	2/2/2008		
4	A59003	2/2/2008		
5	A59004	2/2/2008		
6	A59005	2/2/2008		
7	A59006	2/2/2008		
8	A59007	2/6/2008		
9	A59008	2/6/2008		
10	A59009	2/6/2008		
11	A59010	1/26/2008		
12	A59011	1/26/2008		
13	A59012	1/26/2008		
14	A59013	2/1/2008		
15	A59014	2/1/2008		
16	A59015	2/1/2008		
17	A59016	2/4/2008		
18	A59017	2/4/2008		
19	A59018	2/4/2008		
20	A59019	2/4/2008		
21	A59020	1/26/2008		
22	A59021	2/2/2008		
23	A59022	2/2/2008		
24	A59023	2/2/2008		
25	A59024	2/2/2008		
26	A59025	2/2/2008		

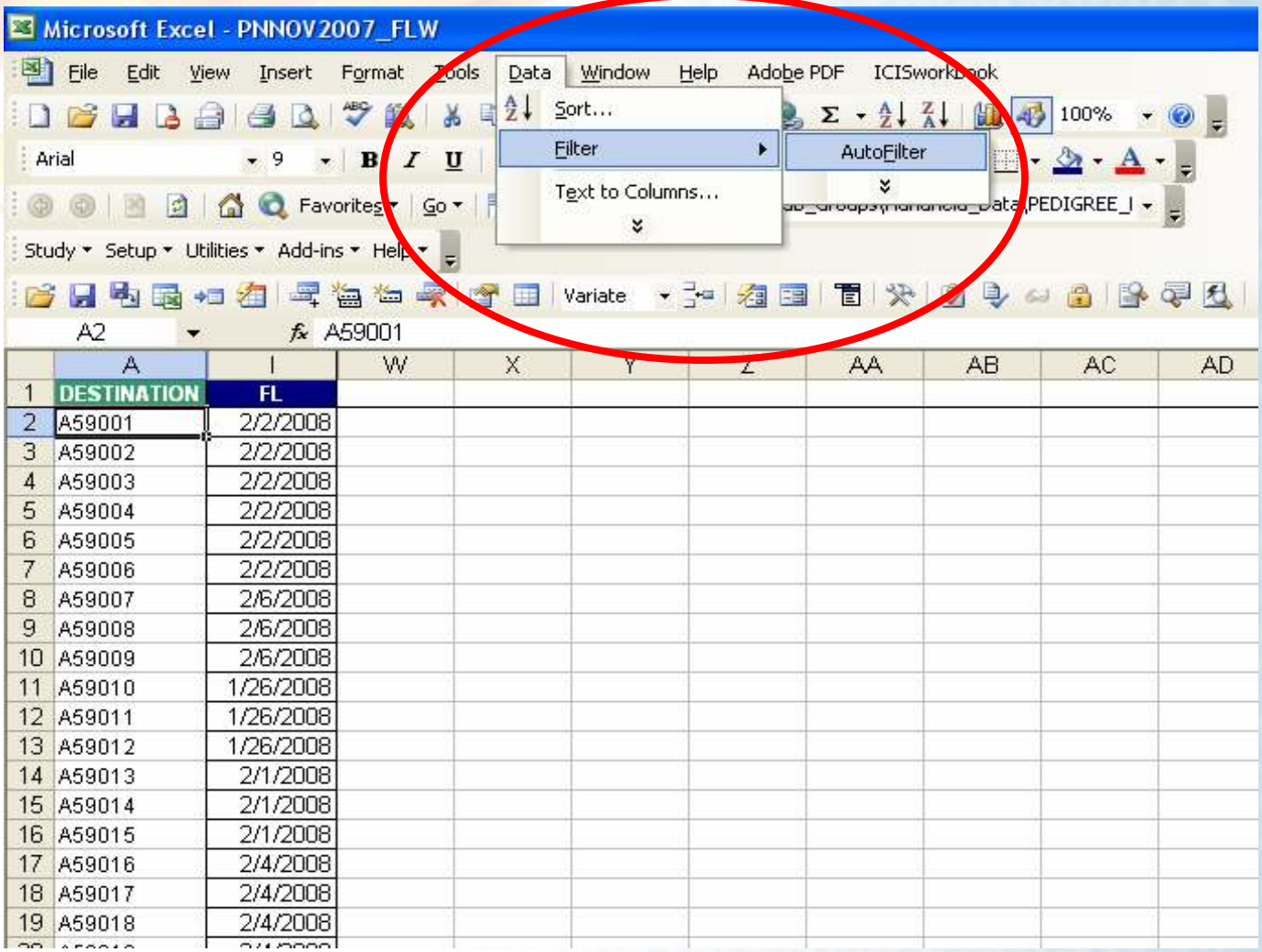
Limitation of Pocket Excel:

- can't set data validation

- the Entry numbers (Destination) can be overwritten while collecting data

IRRI

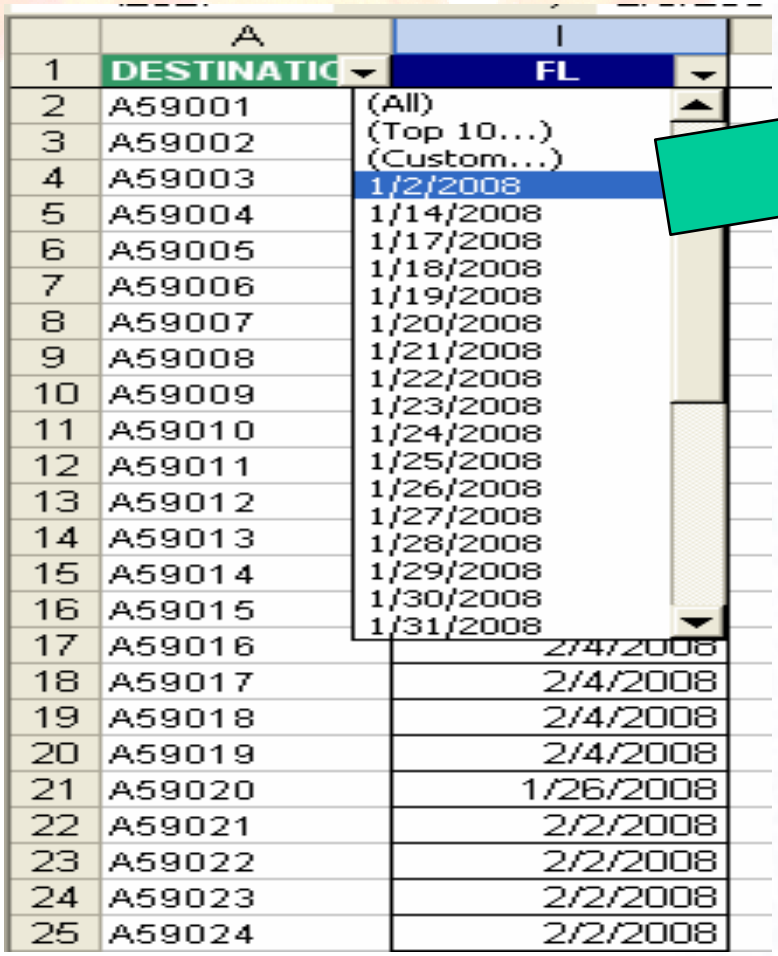
Proofreading the Data

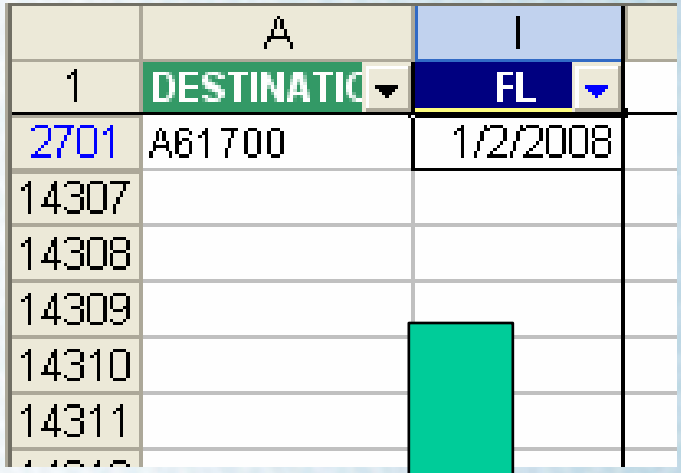


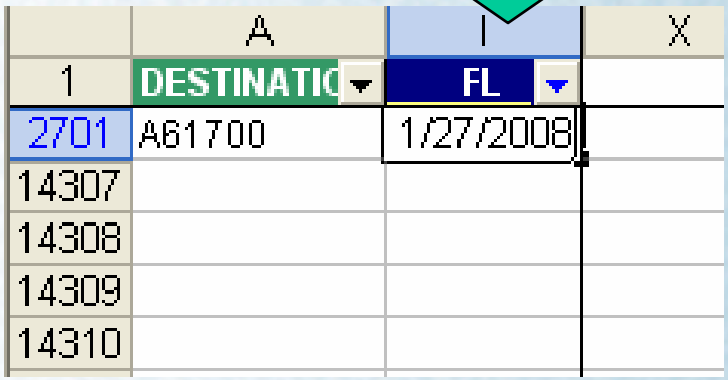
	A	I	W	X	Y	Z	AA	AB	AC	AD
1	DESTINATION	FL								
2	A59001	2/2/2008								
3	A59002	2/2/2008								
4	A59003	2/2/2008								
5	A59004	2/2/2008								
6	A59005	2/2/2008								
7	A59006	2/2/2008								
8	A59007	2/6/2008								
9	A59008	2/6/2008								
10	A59009	2/6/2008								
11	A59010	1/26/2008								
12	A59011	1/26/2008								
13	A59012	1/26/2008								
14	A59013	2/1/2008								
15	A59014	2/1/2008								
16	A59015	2/1/2008								
17	A59016	2/4/2008								
18	A59017	2/4/2008								
19	A59018	2/4/2008								

IRRI

Proofreading the Data







IRRI

Proofreading the Data

AA2 =EXACT(A2,Z2)

	A	I	X	Y	Z	AA
1	DESTINATIC	FL		11/6/2007		
2	A59001	2/2/2008	88		A59001	TRUE
3	A59002	2/2/2008	88		A59002	TRUE
4	A59003	2/2/2008	88		A59003	TRUE
5	A59004	2/2/2008	88		A59004	TRUE
6	A59005	2/2/2008	88		A59005	TRUE
7	A59006	2/2/2008	88		A59006	TRUE
8	A59007	2/6/2008	92		A59007	TRUE
9	A59008	2/6/2008	92		A59008	TRUE
10	A59009	2/6/2008	92		A59009	TRUE
11	A59010	1/26/2008	81		A59010	TRUE
12	A59011	1/26/2008	81		A59011	TRUE
13	A59012	1/26/2008	81		A59012	TRUE
14	A59013	2/1/2008	87		A59013	TRUE
15	A59014	2/1/2008	87		A59014	TRUE
16	A59015	2/1/2008	87		A59015	TRUE
17	A59016	2/4/2008	90		A59016	TRUE
18	A59017	2/4/2008	90		A59017	TRUE
19	A59018	2/4/2008	90		A59018	TRUE
20	A59019	2/4/2008	90		A59019	TRUE
21	A59020	1/26/2008	81		A59020	TRUE
22	A59021	2/2/2008	88		A59021	TRUE
23	A59022	2/2/2008	88		A59022	TRUE
24	A59023	2/2/2008	88		A59023	TRUE

IRRI

Transfer Data to Field book

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	DESTINATION	DESIGNATION	SOURCE	SEL TYPE	NO. PLANTS	START PLANT	FL	BL	BB1	BB2	BPH_LC	GLH	AMY	GEL TEMP	AROMA	GRE	MPS	CHALK
4312	A59001	IR 82472-23-1-2-3-1					88	9	1		9	3	24	I			1	5
4313	A59002	IR 82472-23-1-2-3-2					88	9	1		7	3	24	I			1	5
4314	A59003	IR 82472-23-1-2-3-3					88	9	1		3	3	23	I			1	9
4315	A59004	IR 82486-3-3-2-3-1					88	8			5	3		I			1	9
4316	A59005	IR 82486-3-3-2-3-2					88	8			5	3		I			1	9
4317	A59006	IR 82486-3-3-2-3-3					88	7			3	3		I			1	9
4318	A59007	IR 82486-27-3-3-1-1					92	9			3	3		L			1	5
4319	A59008	IR 82486-27-3-3-1-2					92	8			7	3		L			1	5
4320	A59009	IR 82486-27-3-3-1-3					92	9			5	3		L			1	1
4321	A59010	IR 82486-94-3-3-2-1					81	6			9	3		L			1	9
4322	A59011	IR 82486-94-3-3-2-2					81	6			5	5		L			1	9
4323	A59012	IR 82486-94-3-3-2-3					81	7			3	5		L			1	5
4324	A59013	IR 82493-4-2-2-2-1					87	4		1	3	3		L			1	1
4325	A59014	IR 82493-4-2-2-2-2					87	4		1	3	3		HI			1	5
4326	A59015	IR 82493-4-2-2-2-3					87	4		1	5	3		HI			1	1
4327	A59016	IR 82493-19-3-2-3-1					90	4		1	3	3		HI			1	5
4328	A59017	IR 82493-19-3-2-3-2					90	6		1	3	3		L			1	1
4329	A59018	IR 82493-19-3-2-3-3					90	5		1	5	3		L			1	5
4330	A59019	IR 82493-24-3-2-4-1					90	4		1	5	5		L			1	1
4331	A59020	IRRI 123	CHK.				81											
4332	A59021	IR 82493-24-3-2-4-2					88	4		1	5	3		L			1	1
4333	A59022	IR 82493-24-3-2-4-3					88	4		1	7	3		L			1	1
4334	A59023	IR 82493-40-3-2-3-1					88	4		1	5	3		L			1	9
4335	A59024	IR 82493-40-3-2-3-2					88	4		1	3	3		I			1	5
4336	A59025	IR 82493-40-3-2-3-3					88	1		1	5	3		I			1	9

SCR | DATACOUNT | crosstag draft (2) | CROSSTAG | Fldbk | Sheet2 | Sheet1 | LABEL

Print the Field book

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	DESTINATION	DESIGNATION	SOURCE	SEL TYPE	NO. PLANTS	START PLANT	FL	BL	BB1	BB2	BPH _LC	GLH	AMY	GEL TEMP	AROMA	GRE	MPS	CHALK
2		**IR 66/NAEPUNGBYEO**																
3		**IR 82472-23-1-2-3**	**A29309**				**94**	**8**	**1**		**7**	**5**	**22**	**I**			**1**	**1**
4	A59001	IR 82472-23-1-2-3-1									9	3	24	I			1	5
5	A59002	IR 82472-23-1-2-3-2									7	3	24	I			1	5
6	A59003	IR 82472-23-1-2-3-3					88	9	1		3	3	23	I			1	9
7		**IR 72860-74-1-2-1/IR 72158-11-5-2-3**																
8		**IR 82486-3-3-2-3**	**A29312**				**90**	**9**			**5**	**3**		**HI/I**			**1**	**9**
9	A59004	IR 82486-3-3-2-3-1					88	8			5	3		I			1	9
10	A59005	IR 82486-3-3-2-3-2																9
11	A59006	IR 82486-3-3-2-3-3																9
12		**IR 72860-74-1-2-1/IR 72158-11-5-2-3**																
13		**IR 82486-27-3-3-1**	**A29326**															**9**
14	A59007	IR 82486-27-3-3-1-1					92	9			3	3		L			1	5
15	A59008	IR 82486-27-3-3-1-2					92	8			7	3		L			1	5
16	A59009	IR 82486-27-3-3-1-3					92	9			5	3		L			1	1
17		**IR 72860-74-1-2-1/IR 72158-11-5-2-3**																
18		**IR 82486-94-3-3-2**	**A29349**				**88**	**8**			**7**	**9**		**I**			**1**	**9**
19	A59010	IR 82486-94-3-3-2-1					81	6			9	3		L			1	9
20	A59011	IR 82486-94-3-3-2-2					81	6			5	5		L			1	9
21	A59012	IR 82486-94-3-3-2-3					81	7			3	5		L			1	5
22		**IR 00A115/IR 01N144**																
23		**IR 82493-4-2-2-2**	**A29374**				**88**	**8**		**5**	**5**	**3**		**I**			**1**	**1**
24	A59013	IR 82493-4-2-2-2-1					87	4		1	3	3		L			1	1
25	A59014	IR 82493-4-2-2-2-2					87	4		1	3	3		HI			1	5
26	A59015	IR 82493-4-2-2-2-3					87	4		1	5	3		HI			1	1

SCR | DATACOUNT | crosstag draft (2) | CROSSTAG | **Fldbk** | Sheet2 | Sheet1 | LABEL

Parents

Source Germplasm and Previous Entry Number

Print the Field book

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	DESTINATION	DESIGNATION	SOURCE	SEL TYPE	NO. PLANTS	START PLANT	FL	BL	BB1	BB2	BPH_LC	GLH	AMY	GEL TEMP	AROMA	GRE	MPS	CHALK
2		IR 66/NAEPUNGBYEO																
3		IR 82472-23-1-2-3	A29309				94	8	1		7	5	22	I			1	1
4	A59001						88	9	1		9	3	24	I			1	5
5	A59002						88	9	1		7	3	24	I			1	5
6	A59003						88	9	1		3	3	23	I			1	9
7		IR 72860-74-1-2-1/IR 72158-11-5-2-3																
8		IR 82486-3-3-2-3	A29312				90	9			5	3		HI/I			1	9
9	A59004	IR 82486-3-3-2-3-1					88	8			5	3		I			1	9
10	A59005	IR 82486-3-3-2-3-2					88	8			5	3		I			1	9
11	A59006	IR 82486-3-3-2-3-3					88	7			3	3		I			1	9
12		IR 72860-74-1-2-1/IR 72158-11-5-2-3																
13		IR 82486-27-3-3-1	A29326				94	7			5	5		HI/I			1	9
14	A590						92	9			3	3		L			1	5
15	A590						92	8			7	3		L			1	5
16	A590						92	9			5	3		L			1	1
17		IR 72860-74-1-2-1/IR 72158-11-5-2-3																
18		IR 82486-94-3-3-2	A29349				88	8			7	9		I			1	9
19	A59010	IR 82486-94-3-3-2-1					81	6			9	3		L			1	9
20	A59011	IR 82486-94-3-3-2-2					81	6			5	5		L			1	9
21	A59012	IR 82486-94-3-3-2-3					81	7			3	5		L			1	5
22		IR 00A115/IR 01N144																
23		IR 82493-4-2-2-2	A29374				88	8		5	5	3		I			1	1
24	A59013	IR 82493-4-2-2-2-1					87	4		1	3	3		L			1	1
25	A59014	IR 82493-4-2-2-2-2					87	4		1	3	3		HI			1	5
26	A59015	IR 82493-4-2-2-2-3					87	4		1	5	3		HI			1	1

Previous Data

Present Data

SCR | DATACOUNT | crosstag draft (2) | CROSSTAG | Fldbk | Sheet2 | Sheet1 | LABEL

Plans/Needs

- Data validation tool while entering data in the handheld
- Electronic Fieldbook - have a copy of the fieldbook (with barcode) in the handheld, in a worksheet or form view for the breeders
- For the seed inventory
  - be able to access the records and other information in IMS in the handheld (especially info needed for seed processing before dispatch)
  - be able to transfer easily the info from the handheld to IMS