

The top of the slide features a decorative header. On the left, there is a close-up photograph of a rice panicle with golden-brown grains. To the right of the photo, the acronym "IRRI" is written in a green, serif font. Further right, there is a horizontal bar composed of two segments: a yellow segment on the left and a green segment on the right. The background of the slide is a light blue gradient with a subtle, repeating pattern of rice panicles.

IRRI

Data Collection Using Handheld PC

Plant Breeding, Genetics and Biotechnology Division

IRRI

At the bottom of the slide, there is a horizontal bar with two segments: a brown segment on the left and a blue segment on the right.

Retrieve SETGEN List

The screenshot shows a Microsoft Excel spreadsheet titled 'PHTemplate_2'. The spreadsheet is organized into sections for study metadata, conditions, factors, constants, and variables. A red circle highlights the 'Import' button in the Excel toolbar. Two yellow callouts are present: one pointing to the 'Study Template' button and another pointing to the 'Import SETGEN List' button.

CONDITION	DESCRIPTION	PROPERTY	SCALE	METHOD	DATA TYPE	VALUE	LABEL
12	DESTINATION	PLOT NUMBER	Plot number	Field Layout	C		DESTINATION
13	OID	VARIETY	OID	Not Specified	N		DESTINATION
14	DESIGNATION	VARIETY	Variety Name	Not Specified	C		DESTINATION
15	SOURCE	VARIETY	Name of seed source	Seed Source	C		DESTINATION
16	PARENTS	VARIETY	Variety Name	Not Specified	C		DESTINATION
CONSTANT	DESCRIPTION	PROPERTY	SCALE	METHOD	DATA TYPE	VALUE	
VARIABLE	DESCRIPTION	PROPERTY	SCALE	METHOD	DATA TYPE		
23	SELTYPE	BREEDING METHOD	Code	Not Specified	C		
24	NPLANTS	SAMPLED PLANTS	Number	Not Specified	N		
25	STARTPLANT	REMARK	Test	Not Specified	N		
26	FL	FLOWERING	No. of days	80% Flowering	N		
27	BL	RICE BLAST	SES Score Blast N/Field Trial		N		
28	BB1	LEAF BLIGHT	SES Score Lesion / Race 1 Field Trial		C		

Study Template

Import SETGEN List

Retrieve SETGEN List

Indicate the Study name

SetGen List
 Search: PNNOV2007

Name	Title
PNNOV2004HV	Pedigree Nursery for November 2004, Bulk Harvest
PNNOV2005	Pedigree Nursery for November 2005
PNNOV2006	Pedigree Nursery for November 2006
PNNOV2007	Pedigree Nursery for November 2007

Search Name Search Title

Directory View

Setup Mappings

SetGen	Workbook
- , Column	Column
DESIGNATION	DESIGNATION
CROSS	SOURCE
ENTRYCODE	PARENTS
SOURCE	SELTYPE

dash (-) specifies a range Joint: -
 comma (,) specifies a list

SetGen - Workbook

SetGen	Workbook
DESIGNATION	-> DESIGNATION
SOURCE	-> SOURCE
GID	-> GID
ENTRYCODE	-> DESTINATION

Retrieve by:

Clear observation sheet before download
 Append list data to existing observations

OK Cancel

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

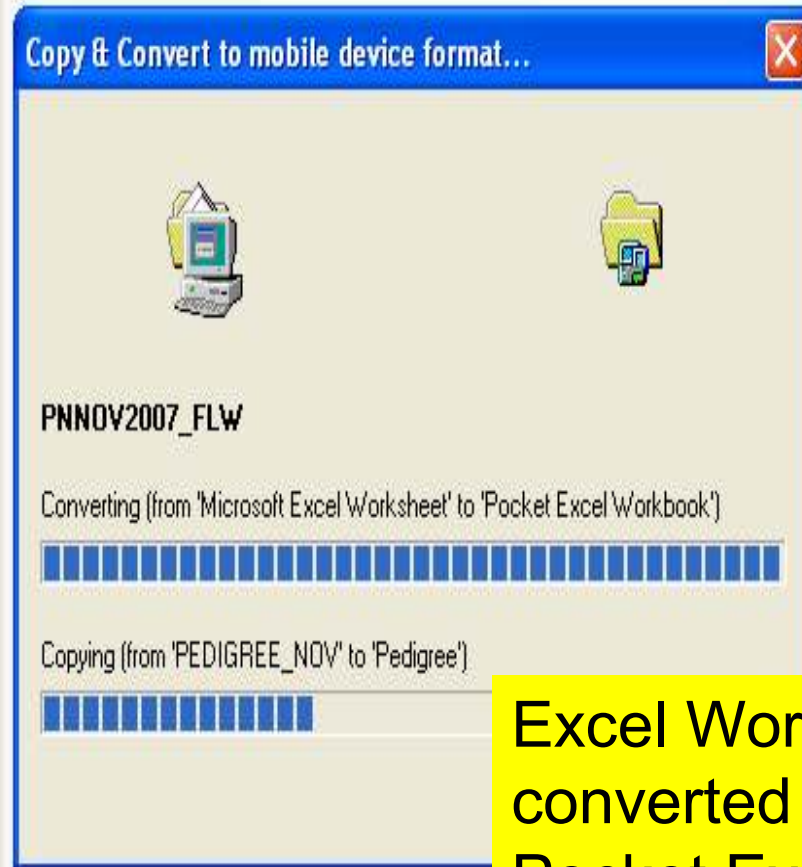
IRRI

Transfer file to Handheld PC



Transfer file to Handheld PC

- ⊕ xsoftdis on 'E351MC982V (e351mc982v)' (Y:)
- ⊕ GQNRG-Quality Evaluation on 'E351MC982V (
- ⊕ Control Panel
- ⊖ Mobile Device
 - ⊖ My Pocket PC
 - ⊕ Databases
 - ⊕ ConnMgr
 - ⊕ IPAQ File Store
 - ⊕ My Documents
 - ⊕ profiles
 - ⊕ Program Files
 - ⊕ Storage Card
 - ⊕ Dante
 - ⊕ Pedigree
 - ⊕ Pedigree_old
 - ⊕ Spikelet Sterility
 - ⊕ Temp
 - ⊕ Windows
 - ⊕ Business
 - ⊕ My Pictures



Excel Worksheet converted to Pocket Excel Workbook

IRRI

Collect Data in the Field



Collect Data in the Field

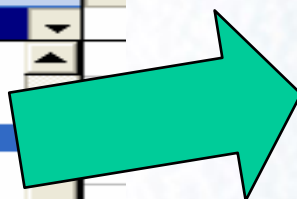
	A	I	W	X
1	DESTINATION	FL		
2	A59001	2/2/2008		
3	A59002	2/2/2008		
4	A59003	2/2/2008		
5	A59004	2/2/2008		
6	A59005	2/2/2008		
7	A59006	2/2/2008		
8	A59007	2/6/2008		
9	A59008	2/6/2008		
10	A59009	2/6/2008		
11	A59010	1/26/2008		
12	A59011	1/26/2008		
13	A59012	1/26/2008		
14	A59013	2/1/2008		
15	A59014	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:

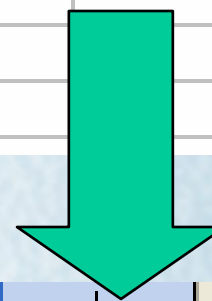
- can't set data validation
- the Entry numbers (Destination) can be overwritten while collecting data

Proofreading the Data

	A	I
1	DESTINATIC	FL
2	A59001	(All)
3	A59002	(Top 10...)
4	A59003	(Custom...)
5	A59004	1/2/2008
6	A59005	1/14/2008
7	A59006	1/17/2008
8	A59007	1/18/2008
9	A59008	1/19/2008
10	A59009	1/20/2008
11	A59010	1/21/2008
12	A59011	1/22/2008
13	A59012	1/23/2008
14	A59013	1/24/2008
15	A59014	1/25/2008
16	A59015	1/26/2008
17	A59016	1/27/2008
18	A59017	1/28/2008
19	A59018	1/29/2008
20	A59019	1/30/2008
21	A59020	1/31/2008
22	A59021	2/1/2008
23	A59022	2/4/2008
24	A59023	2/4/2008
25	A59024	2/4/2008



	A	I
1	DESTINATIC	FL
2701	A61700	1/2/2008
14307		
14308		
14309		
14310		
14311		



	A	I	X
1	DESTINATIC	FL	
2701	A61700	1/27/2008	
14307			
14308			
14309			
14310			

Proofreading the Data

AA2		fx =EXACT(A2,Z2)				
	A	I	X	Y	Z	AA
1	DESTINATIO	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

Transfer Data to Field book

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
1	DESTI NATION	DESIGNATION	SOURCE	SEL TYPE	NO. PLANTS	START PLANT	FL	BL	BB1	BB2	BPH LC	GLH	AMY	GEL TEMP	AROMA	GRE	MPS	CHA LK
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

Print the Field book

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC
	DESTI			SEL	NO.	START					BPH			GEL				CHA
1	NATION	DESIGNATION	SOURCE	TYPE	PLANTS	PLANT	FL	BL	BB1	BB2	_LC	GLH	AMY	TEMP	AROMA	GRE	MPS	LK
2		IR 66/NAEPUNGBYE0																
3		IR 82472-23-1-2-3	A29309				04	0	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

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
	DESTI			SEL	NO.	START	FL	BL	BB1	BB2	BPH	GLH	AMY	GEL	AROMA	GRE	MPS	CHA
1	NATION	DESIGNATION	SOURCE	TYPE	PLANTS	PLANT					_LC			TEMP				LK
2		IR 66/NAEPUNGBYE0																
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	A59007						92	9			3	3		L			1	5
15	A59008						92	8			7	3		L			1	5
16	A59009						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

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