CIMMYT Automation File Interfaces

IWIS

IWIS files provide data that is loaded into the cimmyt database plots and germplasm tables.

Filename structure:

T66_<TID>_001.xlsx Example: T66_047384_001.xls

File structure:

Row 1 Col A: 'TID' Row 1 Col 2:
Row 2 Col A: 'OCC' Row 2 Col 2:
Row 3 Col A: 'Trial Name' Row 3 Col 2:
Row 4 Col A: 'Trial Abbr' Row 4 Col 2:
Row 5 Col A: 'Cycle' Row 5 Col 2:
Row 6 Col A: 'Program' Row 6 Col 2;
Row 7 Blank

Row 8 Column Headings for plot and germplasm data columns:
Column A: 'CID'
Column B: 'SID'
Column C: 'GID'
Column D: 'Cross Name'
Column E: 'Selection History'
Column F: 'Origin (Seed Source) '
Column G: 'Plot'
Column H: 'Rep'
Column I: 'SubBlock'
Column J: 'Entry'

(Columns beyond column J can be ignored.)

Row 9 to EOF: Data values for plot and germplasm tables.

Example File:

	A	B	C	D	E	F	G	H	I	J
1	TID :	47009								
2	OCC :	1								
3	Trial Nam	YTBW_01								
4	Trial Abbr	YTBW_01								
5	Cycle :	Y18-19								
6	Program :	BW								Date->
7										Scale->
8	CID	SID	GID	Cross Name	Selection History	Origin	Plot	Rep	SubBlock	Entry
9	516361	518	7806808	**BORLAUG100 F2014**	CMSS06Y00605T-099TOPM-099Y-099ZTM-099Y-099M-11WGY-0B-0MEX	\\0	101	1	1	101
10	590602	82	7627560	**STLN/MUNAL #1//2*BORL14**	CMSS12B00828T-099TOPY-099M-0SY-42M-0WGY	\\0	102	1	1	102
11	636932	66	8497695	**VILLA JUAREZ F2009//KACHU/KIRITATI**	CMSS14B00001S-099M-099NJ-099NJ-11Y-0WGY	BV2018\PCBW\5005	103	1	1	103
12	636932	67	8497696	**VILLA JUAREZ F2009//KACHU/KIRITATI**	CMSS14B00001S-099M-099NJ-099NJ-19Y-0WGY	BV2018\PCBW\5006	104	1	1	104
13	636932	69	8497698	**VILLA JUAREZ F2009//KACHU/KIRITATI**	CMSS14B00001S-099M-099NJ-099NJ-25Y-0WGY	BV2018\PCBW\5008	105	1	1	105
14	636932	70	8497699	**VILLA JUAREZ F2009//KACHU/KIRITATI**	CMSS14B00001S-099M-099NJ-099NJ-33Y-0WGY	BV2018\PCBW\5009	106	1	2	106
15	636932	71	8497700	**VILLA JUAREZ F2009//KACHU/KIRITATI**	CMSS14B00001S-099M-099NJ-099NJ-34Y-0WGY	BV2018\PCBW\5010	107	1	2	107
16	636932	72	8497701	**VILLA JUAREZ F2009//KACHU/KIRITATI**	CMSS14B00001S-099M-099NJ-099NJ-35Y-0WGY	BV2018\PCBW\5011	108	1	2	108
17	636935	28	8497702	**BORL14//KACHU/KIRITATI**	CMSS14B00004S-099M-099NJ-099NJ-1Y-0WGY	BV2018\PCBW\5012	109	1	2	109
18	636941	75	8497706	**BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*2/KURUKU**	CMSS14B00010S-099M-099NJ-099NJ-7Y-0WGY	BV2018\PCBW\5016	110	1	2	110
19	636941	76	8497707	**BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*2/KURUKU**	CMSS14B00010S-099M-099NJ-099NJ-14Y-0WGY	BV2018\PCBW\5017	111	1	3	111
20	636941	77	8497708	**BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*2/KURUKU**	CMSS14B00010S-099M-099NJ-099NJ-18Y-0WGY	BV2018\PCBW\5018	112	1	3	112
21	636941	78	8497709	**BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*2/KURUKU**	CMSS14B00010S-099M-099NJ-099NJ-35Y-0WGY	BV2018\PCBW\5019	113	1	3	113
22	636942	60	8497710	**BORL14/4/KACHU/3/WHEAR//2*PRL/2*PASTOR**	CMSS14B00011S-099M-099NJ-099NJ-1Y-0WGY	BV2018\PCBW\5020	114	1	3	114
23	636942	61	8497711	**BORL14/4/KACHU/3/WHEAR//2*PRL/2*PASTOR**	CMSS14B00011S-099M-099NJ-099NJ-28Y-0WGY	BV2018\PCBW\5021	115	1	3	115
24	636946	26	8497713	**MUNAL #1/3/SWSR22T.B./KACHU//2*KACHU**	CMSS14B00015S-099M-099NJ-099NJ-8Y-0WGY	BV2018\PCBW\5023	116	1	4	116
25	636950	44	8497714	**BAJ #1//KACHU/KIRITATI**	CMSS14B00019S-099M-099NJ-099NJ-1Y-0WGY	BV2018\PCBW\5024	117	1	4	117
26	636950	45	8497715	**BAJ #1//KACHU/KIRITATI**	CMSS14B00019S-099M-099NJ-099NJ-7Y-0WGY	BV2018\PCBW\5025	118	1	4	118
27	636950	47	8497717	**BAJ #1//KACHU/KIRITATI**	CMSS14B00019S-099M-099NJ-099NJ-12Y-0WGY	BV2018\PCBW\5027	119	1	4	119
28	636950	48	8497718	**BAJ #1//KACHU/KIRITATI**	CMSS14B00019S-099M-099NJ-099NJ-14Y-0WGY	BV2018\PCBW\5028	120	1	4	120
29	636950	49	8497719	**BAJ #1//KACHU/KIRITATI**	CMSS14B00019S-099M-099NJ-099NJ-16Y-0WGY	BV2018\PCBW\5029	121	1	5	121
30	636950	51	8497721	**BAJ #1//KACHU/KIRITATI**	CMSS14B00019S-099M-099NJ-099NJ-22Y-0WGY	BV2018\PCBW\5031	122	1	5	122
31	636950	52	8497722	**BAJ #1//KACHU/KIRITATI**	CMSS14B00019S-099M-099NJ-099NJ-25Y-0WGY	BV2018\PCBW\5032	123	1	5	123
32	636951	56	8497724	**BAJ #1//KENYA SUNBIRD/2*KACHU**	CMSS14B00020S-099M-099NJ-099NJ-6Y-0WGY	BV2018\PCBW\5034	124	1	5	124
33	636951	57	8497725	**BAJ #1//KENYA SUNBIRD/2*KACHU**	CMSS14B00020S-099M-099NJ-099NJ-12Y-0WGY	BV2018\PCBW\5035	125	1	5	125
34	636951	60	8497728	**BAJ #1//KENYA SUNBIRD/2*KACHU**	CMSS14B00020S-099M-099NJ-099NJ-21Y-0WGY	BV2018\PCBW\5038	126	1	6	126
35	636951	63	8497731	**BAJ #1//KENYA SUNBIRD/2*KACHU**	CMSS14B00020S-099M-099NJ-099NJ-29Y-0WGY	BV2018\PCBW\5041	127	1	6	127
36	636955	31	8497735	**MISR 1/4/KACHU/3/WHEAR//2*PRL/2*PASTOR**	CMSS14B00024S-099M-099NJ-099NJ-21Y-0WGY	BV2018\PCBW\5045	128	1	6	128
37	636955	32	8497736	**MISR 1/4/KACHU/3/WHEAR//2*PRL/2*PASTOR**	CMSS14B00024S-099M-099NJ-099NJ-25Y-0WGY	BV2018\PCBW\5046	129	1	6	129
38	636956	44	8497737	**NELOKI/4/KACHU*2/3/ND643//2*PRL/2*PASTOR**	CMSS14B00025S-099M-099NJ-099NJ-19Y-0WGY	BV2018\PCBW\5047	130	1	6	130
39	636951	63	8497731	**BAJ #1//KENYA SUNBIRD/2*KACHU**	CMSS14B00020S-099M-099NJ-099NJ-29Y-0WGY	BV2018\PCBW\5041	131	2	1	127
40	636941	75	8497706	**BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*2/KURUKU**	CMSS14B00010S-099M-099NJ-099NJ-7Y-0WGY	BV2018\PCBW\5016	132	2	1	110
41	590602	82	7627560	**STLN/MUNAL #1//2*BORL14**	CMSS12B00828T-099TOPY-099M-0SY-42M-0WGY	\\0	133	2	1	102
42	636942	61	8497711	**BORL14/4/KACHU/3/WHEAR//2*PRL/2*PASTOR**	CMSS14B00011S-099M-099NJ-099NJ-28Y-0WGY	BV2018\PCBW\5021	134	2	1	115
43	636941	77	8497708	**BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*2/KURUKU**	CMSS14B00010S-099M-099NJ-099NJ-18Y-0WGY	BV2018\PCBW\5018	135	2	1	112
44	636950	44	8497714	**BAJ #1//KACHU/KIRITATI**	CMSS14B00019S-099M-099NJ-099NJ-1Y-0WGY	BV2018\PCBW\5024	136	2	2	117
45	636950	52	8497722	**BAJ #1//KACHU/KIRITATI**	CMSS14B00019S-099M-099NJ-099NJ-25Y-0WGY	BV2018\PCBW\5032	137	2	2	123
46	636932	70	8497699	**VILLA JUAREZ F2009//KACHU/KIRITATI**	CMSS14B00001S-099M-099NJ-099NJ-33Y-0WGY	BV2018\PCBW\5009	138	2	2	106
47	636955	31	8497735	**MISR 1/4/KACHU/3/WHEAR//2*PRL/2*PASTOR**	CMSS14B00024S-099M-099NJ-099NJ-21Y-0WGY	BV2018\PCBW\5045	139	2	2	128
48	636932	69	8497698	**VILLA JUAREZ F2009//KACHU/KIRITATI**	CMSS14B00001S-099M-099NJ-099NJ-25Y-0WGY	BV2018\PCBW\5008	140	2	2	105
49	636941	78	8497709	**BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*2/KURUKU**	CMSS14B00010S-099M-099NJ-099NJ-35Y-0WGY	BV2018\PCBW\5019	141	2	3	113
50	636942	60	8497710	**BORL14/4/KACHU/3/WHEAR//2*PRL/2*PASTOR**	CMSS14B00011S-099M-099NJ-099NJ-1Y-0WGY	BV2018\PCBW\5020	142	2	3	114
51	636950	49	8497719	**BAJ #1//KACHU/KIRITATI**	CMSS14B00019S-099M-099NJ-099NJ-16Y-0WGY	BV2018\PCBW\5029	143	2	3	121
52	636946	26	8497713	**MUNAL #1/3/SWSR22T.B./KACHU//2*KACHU**	CMSS14B00015S-099M-099NJ-099NJ-8Y-0WGY	BV2018\PCBW\5023	144	2	3	116
53	636951	60	8497728	**BAJ #1//KENYA SUNBIRD/2*KACHU**	CMSS14B00020S-099M-099NJ-099NJ-21Y-0WGY	BV2018\PCBW\5038	145	2	3	126
54	636932	67	8497696	**VILLA JUAREZ F2009//KACHU/KIRITATI**	CMSS14B00001S-099M-099NJ-099NJ-19Y-0WGY	BV2018\PCBW\5006	146	2	4	104
55	636950	47	8497717	**BAJ #1//KACHU/KIRITATI**	CMSS14B00019S-099M-099NJ-099NJ-12Y-0WGY	BV2018\PCBW\5027	147	2	4	119
56	516361	518	7806808	**BORLAUG100 F2014**	CMSS06Y00605T-099TOPM-099Y-099ZTM-099Y-099M-11WGY-0B-0MEX	\\0	148	2	4	101
57	636932	71	8497700	**VILLA JUAREZ F2009//KACHU/KIRITATI**	CMSS14B00001S-099M-099NJ-099NJ-34Y-0WGY	BV2018\PCBW\5010	149	2	4	107
58	636955	32	8497736	**MISR 1/4/KACHU/3/WHEAR//2*PRL/2*PASTOR**	CMSS14B00024S-099M-099NJ-099NJ-25Y-0WGY	BV2018\PCBW\5046	150	2	4	129
59	636950	51	8497721	**BAJ #1//KACHU/KIRITATI**	CMSS14B00019S-099M-099NJ-099NJ-22Y-0WGY	BV2018\PCBW\5031	151	2	5	122
60	636950	48	8497718	**BAJ #1//KACHU/KIRITATI**	CMSS14B00019S-099M-099NJ-099NJ-14Y-0WGY	BV2018\PCBW\5028	152	2	5	120
61	636951	57	8497725	**BAJ #1//KENYA SUNBIRD/2*KACHU**	CMSS14B00020S-099M-099NJ-099NJ-12Y-0WGY	BV2018\PCBW\5035	153	2	5	125
62	636932	66	8497695	**VILLA JUAREZ F2009//KACHU/KIRITATI**	CMSS14B00001S-099M-099NJ-099NJ-11Y-0WGY	BV2018\PCBW\5005	154	2	5	103
63	636935	28	8497702	**BORL14//KACHU/KIRITATI**	CMSS14B00004S-099M-099NJ-099NJ-1Y-0WGY	BV2018\PCBW\5012	155	2	5	109
64	636941	76	8497707	**BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*2/KURUKU**	CMSS14B00010S-099M-099NJ-099NJ-14Y-0WGY	BV2018\PCBW\5017	156	2	6	111
65	636956	44	8497737	**NELOKI/4/KACHU*2/3/ND643//2*PRL/2*PASTOR**	CMSS14B00025S-099M-099NJ-099NJ-19Y-0WGY	BV2018\PCBW\5047	157	2	6	130
66	636932	72	8497701	**VILLA JUAREZ F2009//KACHU/KIRITATI**	CMSS14B00001S-099M-099NJ-099NJ-35Y-0WGY	BV2018\PCBW\5011	158	2	6	108
67	636951	56	8497724	**BAJ #1//KENYA SUNBIRD/2*KACHU**	CMSS14B00020S-099M-099NJ-099NJ-6Y-0WGY	BV2018\PCBW\5034	159	2	6	124
68	636950	45	8497715	**BAJ #1//KACHU/KIRITATI**	CMSS14B00019S-099M-099NJ-099NJ-7Y-0WGY	BV2018\PCBW\5025	160	2	6	118

Mapping of IWIS Data to cimmyt database tables

IWIS Data Item	cimmyt database table	cimmyt database column
TID	plots	tid
OCC	plots	occ
Trial Name	plots	trial
Trial Abbr	Not mapped	Not mapped
Cycle	plots	cycle
Program	Not mapped	Not mapped
CID	germplasm	cid
SID	germplasm	sid
GID	plots, germplasm	gid
Cross Name	germplasm	cross_name
Selection History	germplasm	selection_history
Plot	plot	plot_no
Origin	plot	seed_source
Rep	plot	rep
SubBlock	plot	subblock
Entry	plot	entry

IWIS Variant for Segregating Populations (F6-F7_

The IWIS file format for segregating populations is slightly different

Filename structure:

T06_<TID>_001_EPC.xls Example: T06_046811_001_EPC.xls

File structure:

Row 1 Col A: 'TID' Row 1 Col 2:
Row 2 Col A: 'OCC' Row 2 Col 2:
Row 3 Col A: 'Trial Name' Row 3 Col 2:
Row 4 Col A: 'Trial Abbr' Row 4 Col 2:
Row 5 Col A: 'Cycle' Row 5 Col 2:
Row 6 Col A: 'Program' Row 6 Col 2;
Row 7 Blank

Row 8 Column Headings for plot and germplasm data columns:

Column A: 'Entry'
Column B: 'CID'
Column C: 'SID'
Column D: 'GID'
Column E: 'Cross Name'
Column G: 'Plot'
Column H: 'Rep'

(Columns beyond column G can be ignored.)

Row 9 to EOF: Data values for plot and germplasm tables.

Example File:

	A	B	C	D	E	F	G	H	I	J	K	L
1	TID :	46811			**Condition - B5I**							
2	OCC :	1										
3	Trial Nam	F6-F7BW										
4	Trial Abbr	F6-F7BW										
5	Cycle :	Y17-18										
6	Program :	BW										
7												
8	**Entry**	**CID**	**SID**	**GID**	**Cross Name**	**Plot**	**Rep**					
9	1	636932	23	8249786	VILLA JUAREZ F2009//KACHU/KIRITATI	1	1					
10	2	636932	25	8249788	VILLA JUAREZ F2009//KACHU/KIRITATI	2	1					
11	3	636932	29	8249792	VILLA JUAREZ F2009//KACHU/KIRITATI	3	1					
12	4	636932	31	8249794	VILLA JUAREZ F2009//KACHU/KIRITATI	4	1					
13	5	636932	32	8249795	VILLA JUAREZ F2009//KACHU/KIRITATI	5	1					
14	6	636932	34	8249797	VILLA JUAREZ F2009//KACHU/KIRITATI	6	1					
15	7	636932	36	8249799	VILLA JUAREZ F2009//KACHU/KIRITATI	7	1					
16	8	636932	40	8249803	VILLA JUAREZ F2009//KACHU/KIRITATI	8	1					
17	9	636932	41	8249804	VILLA JUAREZ F2009//KACHU/KIRITATI	9	1					
18	10	636932	42	8249805	VILLA JUAREZ F2009//KACHU/KIRITATI	10	1					
19	11	636932	44	8249807	VILLA JUAREZ F2009//KACHU/KIRITATI	11	1					
20	12	636932	46	8249809	VILLA JUAREZ F2009//KACHU/KIRITATI	12	1					
21	13	636932	49	8249812	VILLA JUAREZ F2009//KACHU/KIRITATI	13	1					
22	14	636932	51	8249814	VILLA JUAREZ F2009//KACHU/KIRITATI	14	1					
23	15	636932	54	8249817	VILLA JUAREZ F2009//KACHU/KIRITATI	15	1					
24	16	636932	55	8249818	VILLA JUAREZ F2009//KACHU/KIRITATI	16	1					
25	17	636932	56	8249819	VILLA JUAREZ F2009//KACHU/KIRITATI	17	1					
26	18	636932	59	8249822	VILLA JUAREZ F2009//KACHU/KIRITATI	18	1					
27	19	636935	18	8249824	BORL14//KACHU/KIRITATI	19	1					
28	20	636935	19	8249825	BORL14//KACHU/KIRITATI	20	1					
29	21	636935	20	8249826	BORL14//KACHU/KIRITATI	21	1					
30	22	636935	24	8249830	BORL14//KACHU/KIRITATI	22	1					
31	23	636935	25	8249831	BORL14//KACHU/KIRITATI	23	1					
32	24	636941	41	8249836	BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*.	24	1					
33	25	636941	42	8249837	BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*.	25	1					
34	26	636941	43	8249838	BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*.	26	1					
35	27	636941	45	8249840	BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*.	27	1					
36	28	636941	46	8249841	BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*.	28	1					
37	29	636941	48	8249843	BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*.	29	1					
38	30	636941	52	8249847	BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*.	30	1					
39	31	636941	53	8249848	BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*.	31	1					
40	32	636941	54	8249849	BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*.	32	1					
41	33	636941	56	8249851	BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*.	33	1					
42	34	636941	57	8249852	BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*.	34	1					
43	35	636941	58	8249853	BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*.	35	1					
44	36	636941	62	8249857	BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*.	36	1					
45	37	636941	67	8249862	BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*.	37	1					
46	38	636941	73	8249868	BORL14/3/SWSR22T.B./2*BLOUK #1//WBLL1*.	38	1					

Mapping of IWIS Data for Segregating Populations to cimmyt Database Tables

IWIS Data Item	cimmyt database table	cimmyt database column
TID	plots	tid
OCC	plots	occ
Trial Name	plots	trial
Trial Abbr	Not mapped	Not mapped
Cycle	plots	cycle
Program	Not mapped	Not mapped
Entry	plot	entry
CID	germplasm	cid
SID	germplasm	sid
GID	plots, germplasm	gid
Cross Name	germplasm	cross_name
Plot	plot	plot_no
Rep	plot	rep

FieldMap

FieldMap input files provide a FieldMap with just the numeric plot numbers provided for each plot in an Excel spreadsheet. The FieldMap annotation program reads in the FieldMap spreadsheet and converts the numeric plots to a standard KSU-cimmyt plot_id e.g. 19-OBR-YTBW-B5I-960.

N.B. All IWIS files should be processed before processing fieldmaps since the FieldMap annotation program will update the row and column numbers in the cimmyt database plot table.

The key requirements for the FieldMap spreadsheets is that every spreadsheet should have the same format.

Specific requirements are:

1. Row 1 is a blank row.
2. Column B is a blnk column.
3. Column A contains the row numbers for the plot.
4. Row 2 contains the column numbers for the plot.
5. The last column contains the trial identifiers for each row.

Specific improvements that could be made are:

1. The trial values in the trial column should be exactly the same as the trial values populated from the IWIS files. Currently this is not the case. Example: The IWIS trial number is YTBW_09, whereas the FieldMap trial number is YTBW 09 (i.e. with a space instead of an underscore.) If the trial values were exactly, the same, this would potentially allow the trial number to be used to query the plots table in the cimmyt database to retrieve the correct itrial values in the case where a FieldMap contains multiple trials in the same spreadsheet.
2. Filenames should not have any spaces in them. Underscores should be used instead of spaces.

FieldMaps for a Single Trial Type

Most FieldMaps contain information for a single type of trial e.g. YBTW or EYTBW or AEYTBW.

Filename Formats:

<trial><condition>_<start plot no>-<end plot no>.xlsx Example: AEYTBWB5IR_401-990.xlsx
<trial>_<start plot no>-<end plot no>.xlsx Example: YTBW_101-690.xlsx

Example FieldMap File for a Single Trial

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
1		BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 100	RELLENO
2		960	959	958	957	956	955	954	953	952	951	950	949	948	947	946	YTBW 09
3		931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	YTBW 09
4		930	929	928	927	926	925	924	923	922	921	920	919	918	917	916	YTBW 09
5		901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	YTBW 09
6		860	859	858	857	856	855	854	853	852	851	850	849	848	847	846	YTBW 08
7		831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	YTBW 08
8		830	829	828	827	826	825	824	823	822	821	820	819	818	817	816	YTBW 08
9		801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	YTBW 08
10		760	759	758	757	756	755	754	753	752	751	750	749	748	747	746	YTBW 07
11		731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	YTBW 07
12		730	729	728	727	726	725	724	723	722	721	720	719	718	717	716	YTBW 07
13		701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	YTBW 07
14		660	659	658	657	656	655	654	653	652	651	650	649	648	647	646	YTBW 06
15		631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	YTBW 06
16		630	629	628	627	626	625	624	623	622	621	620	619	618	617	616	YTBW 06
17		601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	YTBW 06
18		560	559	558	557	556	555	554	553	552	551	550	549	548	547	546	YTBW 05
19		531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	YTBW 05
20		530	529	528	527	526	525	524	523	522	521	520	519	518	517	516	YTBW 05
21		501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	YTBW 05
22		460	459	458	457	456	455	454	453	452	451	450	449	448	447	446	YTBW 04
23		431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	YTBW 04
24		430	429	428	427	426	425	424	423	422	421	420	419	418	417	416	YTBW 04
25		401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	YTBW 04
26		360	359	358	357	356	355	354	353	352	351	350	349	348	347	346	YTBW 03
27		331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	YTBW 03
28		330	329	328	327	326	325	324	323	322	321	320	319	318	317	316	YTBW 03
29		301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	YTBW 03
30		260	259	258	257	256	255	254	253	252	251	250	249	248	247	246	YTBW 02
31		231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	YTBW 02
32		230	229	228	227	226	225	224	223	222	221	220	219	218	217	216	YTBW 02
33		201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	YTBW 02
34		160	159	158	157	156	155	154	153	152	151	150	149	148	147	146	YTBW 01
35		131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	YTBW 01
36		130	129	128	127	126	125	124	123	122	121	120	119	118	117	116	YTBW 01
37		101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	YTBW 01
38		BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 1	BORLAUG 100	RELLENO

FieldMaps for Multiple Trials

Some FieldMaps contain information for a multiple types of trial in the same map e.g. YBTW and PINALL and AEYTBW (see example file example below.)

Filename Formats:

AEYTBWB5IR_1001-1090_PIN_ALLELE_YTBW-124-127.xlsx
YTBW_317-326_YTFUS_327_1raREP.xlsx

Example FieldMap File for Multiple Trials

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1														
2			326	327	328	329	330	331	332	333	334	335		
3	1		BORLAUG	BORLAUG	BORLAUG	BORLAUG	BORLAUG	BORLAUG	BORLAUG	BORLAUG	BORLAUG	BORLAUG		RELLENO
4	2		1010	1009	1008	1007	1006	1005	1004	1003	1002	1001		AEYTBWB5IR10
5	3		1011	1012	1013	1014	1015	1016	1017	1018	1019	1020		AEYTBWB5IR10
6	4		1030	1029	1028	1027	1026	1025	1024	1023	1022	1021		AEYTBWB5IR10
7	5		1031	1032	1033	1034	1035	1036	1037	1038	1039	1040		AEYTBWB5IR10
8	6		1050	1049	1048	1047	1046	1045	1044	1043	1042	1041		AEYTBWB5IR10
9	7		1051	1052	1053	1054	1055	1056	1057	1058	1059	1060		AEYTBWB5IR10
10	8		1070	1069	1068	1067	1066	1065	1064	1063	1062	1061		AEYTBWB5IR10
11	9		1071	1072	1073	1074	1075	1076	1077	1078	1079	1080		AEYTBWB5IR10
12	10		1090	1089	1088	1087	1086	1085	1084	1083	1082	1081		AEYTBWB5IR10
13	11		1	2	3	4	5	6	7	8	9	10		YTpinAllele
14	12		20	19	18	17	16	15	14	13	12	11		YTpinAllele
15	13		21	22	23	24	25	26	27	28	29	30		YTpinAllele
16	14		12410	12409	12408	12407	12406	12405	12404	12403	12402	12401		YTBW124
17	15		12411	12412	12413	12414	12415	12416	12417	12418	12419	12420		YTBW124
18	16		12430	12429	12428	12427	12426	12425	12424	12423	12422	12421		YTBW124
19	17		12431	12432	12433	12434	12435	12436	12437	12438	12439	12440		YTBW124
20	18		12450	12449	12448	12447	12446	12445	12444	12443	12442	12441		YTBW124
21	19		12451	12452	12453	12454	12455	12456	12457	12458	12459	12460		YTBW124
22	20		12510	12509	12508	12507	12506	12505	12504	12503	12502	12501		YTBW125
23	21		12511	12512	12513	12514	12515	12516	12517	12518	12519	12520		YTBW125
24	22		12530	12529	12528	12527	12526	12525	12524	12523	12522	12521		YTBW125
25	23		12531	12532	12533	12534	12535	12536	12537	12538	12539	12540		YTBW125
26	24		12550	12549	12548	12547	12546	12545	12544	12543	12542	12541		YTBW125
27	25		12551	12552	12553	12554	12555	12556	12557	12558	12559	12560		YTBW125
28	26		12610	12609	12608	12607	12606	12605	12604	12603	12602	12601		YTBW126
29	27		12611	12612	12613	12614	12615	12616	12617	12618	12619	12620		YTBW126
30	28		12630	12629	12628	12627	12626	12625	12624	12623	12622	12621		YTBW126
31	29		12631	12632	12633	12634	12635	12636	12637	12638	12639	12640		YTBW126
32	30		12650	12649	12648	12647	12646	12645	12644	12643	12642	12641		YTBW126
33	31		12651	12652	12653	12654	12655	12656	12657	12658	12659	12660		YTBW126
34	32		12710	12709	12708	12707	12706	12705	12704	12703	12702	12701		YTBW127
35	33		12711	12712	12713	12714	12715	12716	12717	12718	12719	12720		YTBW127
36	34		12730	12729	12728	12727	12726	12725	12724	12723	12722	12721		YTBW127
37	35		12731	12732	12733	12734	12735	12736	12737	12738	12739	12740		YTBW127
38	36		12750	12749	12748	12747	12746	12745	12744	12743	12742	12741		YTBW127
39	37		12751	12752	12753	12754	12755	12756	12757	12758	12759	12760		YTBW127
40	38		BORLAUG	BORLAUG	BORLAUG	BORLAUG	BORLAUG	BORLAUG	BORLAUG	BORLAUG	BORLAUG	BORLAUG		RELLENO

FieldMap Variants

In the past FieldMaps for F5 and F6-F7 have a different layout than the FieldMaps described in previous sections.

In the future, these FieldMaps should follow the same layout as the standard FieldMap files.

Specific requirements are:

1. Row 1 is a blank row.
2. Column B is a blnk column.
3. Column A contains the row numbers for the plot.
4. Row 2 contains the column numbers for the plot.
5. The last column contains the trial identifiers for each row.

(The main issue in the past is that the first row in each spreadsheet should be blank.)