

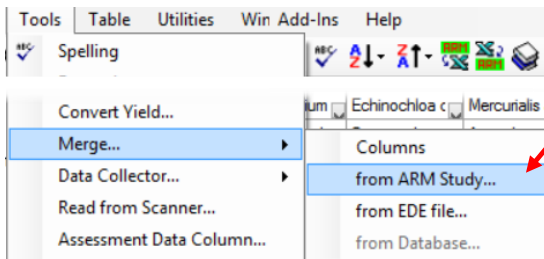


Merging Information from a Similar Study

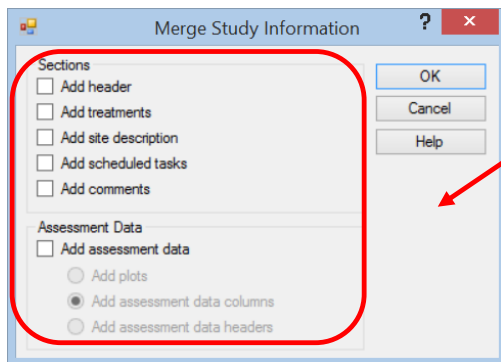
Overview: Use **Merge** feature to add information from an ARM Study to fill in blank fields in current study.

➤ **Merging** is additive

- ARM will fill out blank entry fields in the study
- ARM will not over-write any information already in the study.



Use Tools - Merge - from ARM Study to fill blank fields in current study with the same information in another study.



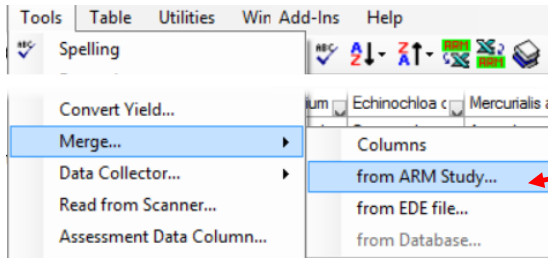
- a) Site or protocol description
- b) Treatments
- c) Assessment data headers - as starting point for consistent assessment descriptions (although copy/paste may be equally effective).
- d) Tasks - in protocols or trials.
- e) Comments - in trial only.

Protocol

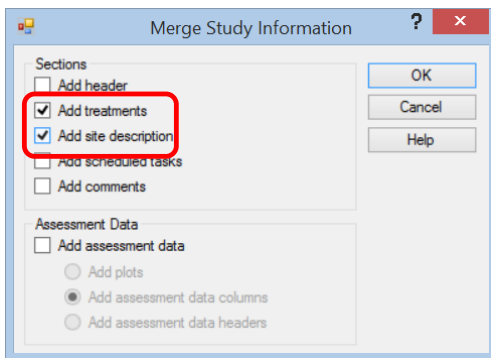
Merge - Sections:

Use this option to merge sections from another protocol into current protocol.

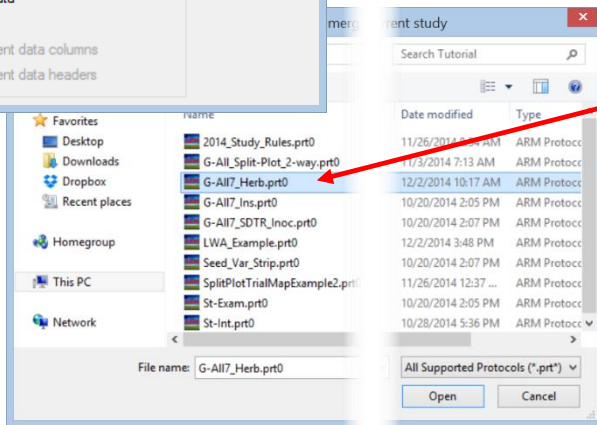
Example: A protocol writer wants to use the same treatments and protocol description from a 2014 protocol.



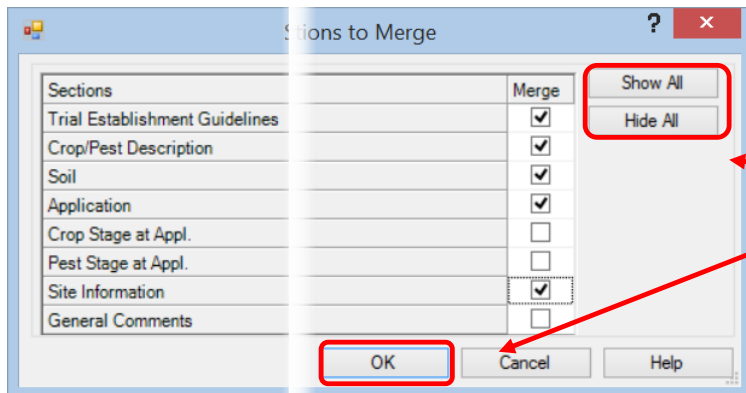
1. Create a new protocol
2. Select Tools - Merge - From ARM study...



3. Check sections to merge from existing protocol (in this example we only want Treatments and Protocol Description).
4. Click OK



5. Select the 'G-All7_Herb.prt0' protocol to merge information
6. Click 'Open'

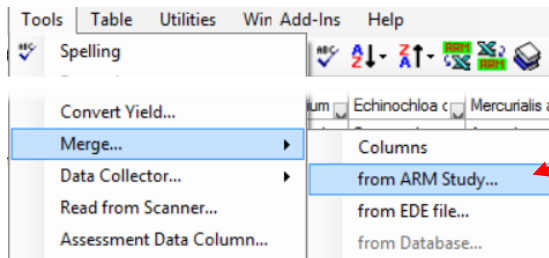


7. Select sections from Protocol Description to merge.
 - Select individual sections
 - OR
 - 'Show All' to select all sections
 - OR
 - 'Hide all' to remove selection
8. Click 'OK'
9. New protocol now contains treatments and site description

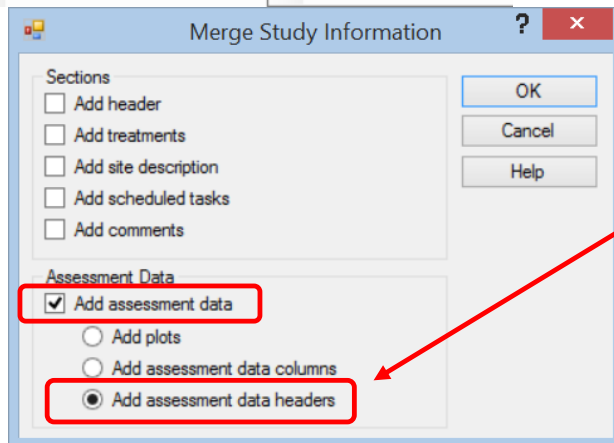
Note: look over treatment list carefully and correct as necessary.

Merge - Assessment Data - Add assessment data headers:

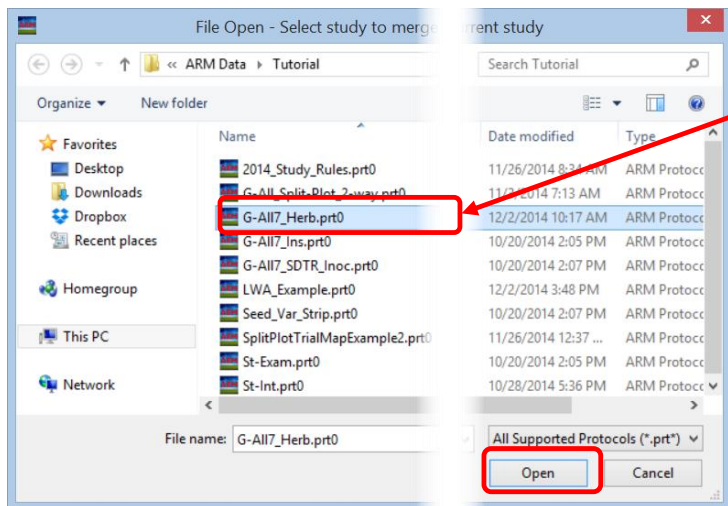
Example: A protocol writer only wants to add the assessment headers from a prior year study.



1. Open G-All7_Ins.prt0 file.
2. Select Tools - Merge - From ARM study...



3. Select 'Add assessment data'
4. Check 'Add assessment headers'
- Only choice when merging **into** a protocol
5. Click OK.



6. Select the 'G-All7_Herb.prt0' file
7. Click 'Open'

8. Adds assessment headers only

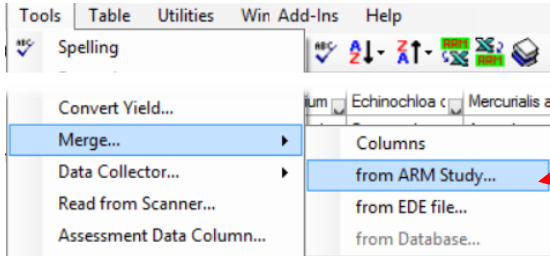
Column Number	1	2	3	4	5	6	7	8
Pest Type					W Weed	W Weed	W Weed	W Weed
Pest Code					GGGAN	GGGAN	GGGAN	GGGAN
Pest Scientific Name					Annual grasse	Annual grasse	Annual grasse	Annual grasse
Pest Name					Annual grasse	Annual grasse	Annual grasse	Annual grasse
Crop Code	BRSNN	BRSNN	BRSNN	BRSNN	BRSNN	BRSNN	BRSNN	BRSNN
BBCH Scale	BRAP	BRAP	BRAP	BRAP	BRAP	BRAP	BRAP	BRAP
Crop Scientific Name	Brassica napu	Brassica napu	Brassica napu	Brassica napu	Brassica napu	Brassica napu	Brassica napu	Brassica napu
Crop Name	Rapeseed	Rapeseed	Rapeseed	Rapeseed	Rapeseed	Rapeseed	Rapeseed	Rapeseed
Part Rated	PLANT	PLANT	PLANT	PLANT	PLAGRA	PLAGRA	PLAGRA	PLAGRA
Rating Type	PHYGEN	PHYGEN	PHYGEN	PHYGEN	GROUND	GROUND	GROUND	GROUND
Rating Unit	%	%	%	%	%	%	%	%
Number of Subsamples	1	1	1	1	1	1	1	1
Crop Stage Scale	BBCH	BBCH	BBCH	BBCH	BBCH	BBCH	BBCH	BBCH
Footnote Number					1	1	1	1
Tit-Eval Interval	3	7	14	21	0	3	7	14
ARM Action Codes	P	P	P	P	P ES	P ES	P ES	P ES
Number of Decimals	2	2	2	2	2	2	2	2

Trial

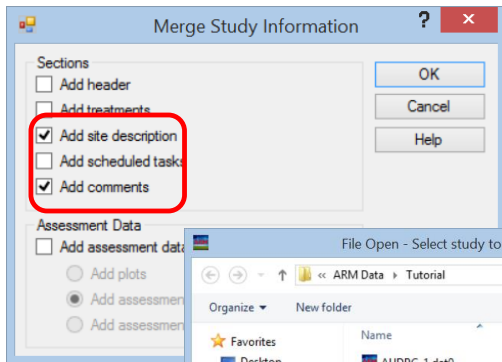
Merge - Sections:

Use this option to merge sections from another trial into current trial.

Example: A trialist has performed spray applications at different locations on the same day. He has the data recorded in one trial and wants to easily and accurately transfer to the other trial.

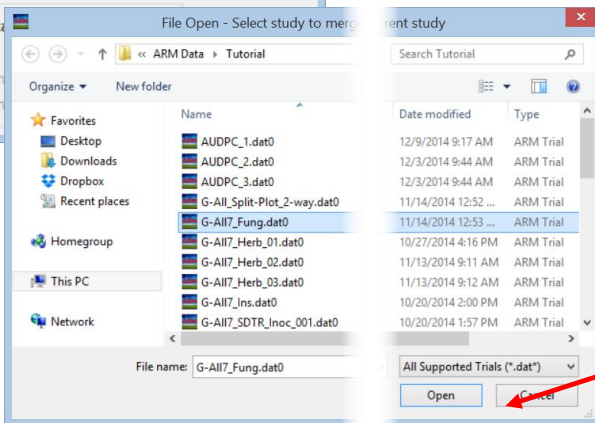


1. Open 'Rate Unit Examples.dat0'.
2. Select Tools - Merge - From ARM study...

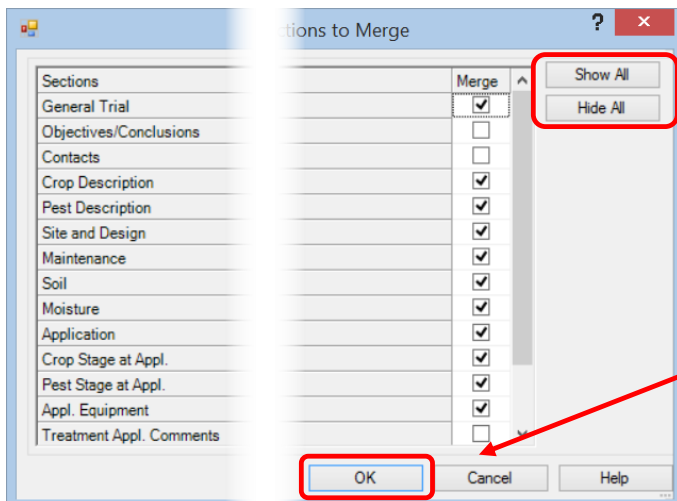


3. Check sections to merge from existing trial:

- Header
- Treatments
- Site Description
- Scheduled Tasks
- Comments



4. Click OK
5. Select the 'G-All7_Fung.dat0' study to merge information
6. Click 'Open'



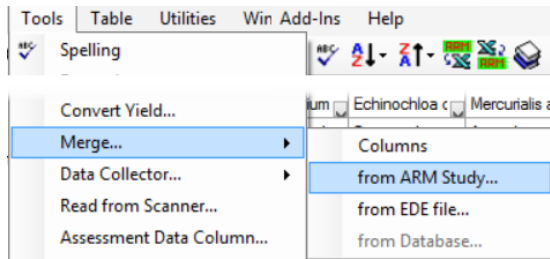
7. Select specific sections from Site Description to **merge**.
 - Select individual sections OR
 - 'Show All' to select all sections OR
 - 'Hide all' to remove selection
8. Click 'OK'

Only checked sections have been merged into trial.

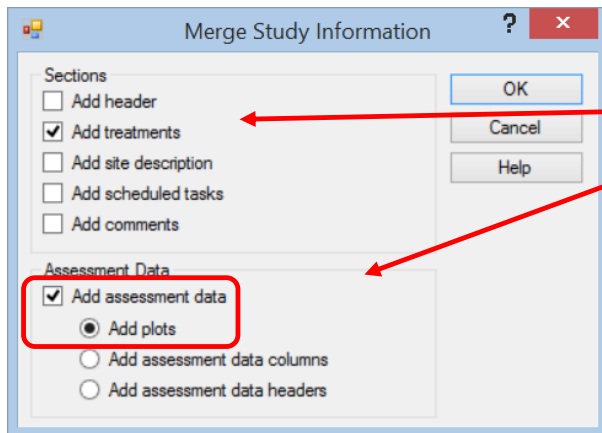
Merge - Assessment Data - Add Plots:

Select this option to add new experimental units (plots) from another trial. This should be used along with 'Add treatments'

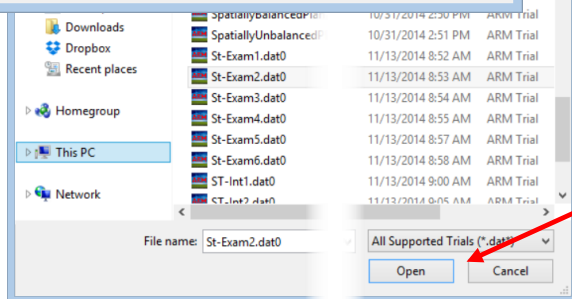
Example: Trialist wants to combine different treatments from two separate experiments.



1. Open 'AUDPC_1.dat0' trial
2. Select Tools - Merge - From ARM study...



3. Select 'Add treatments' to add the treatments to the trial as well.
4. Check 'Add assessment data', then 'Add plots'
5. Click 'OK'.



6. Select the study to merge data from.
7. Click 'Open'.

Pest Type	Disease	Disease						
Pest Code	ERYSGT	ERYSGT						
Pest Scientific Name	Blumeria graminis	Blumeria graminis						
Pest Name	Powdery mildew	Powdery mildew						
Crop Code	TRZAW	TRZAW	BRSNN	BRSNW				
BBCH Scale	BCER	BCER	BRAP	BRAP				
Crop Scientific Name	Triticum aestivum	Triticum aestivum	Brassica napus	Brassica napus				
Crop Name	Winter wheat	Winter wheat	Rapeseed	Winter rape				
Plant Rated	PLANT	PLANT	PLANT	PLANT				
Rating Type	COUDIS	COUDIS	PHYGEN	PHYGEN				
Rating Unit	PERCENT	PERCENT	%	%				

Sub	Rep	Bk	Col	Plot	Yr	1	2	7	8
1	3	3	9	309	9			0.00	0.00
1	3	3	10	310	10			0.00	0.00
1	3	3	11	311	11			0.00	0.00
1	3	3	12	312	12			0.00	0.00
1	3	3	13	313	13			0.00	0.00
1	4	4	1	401	3	0	25	10	7
1	4	4	2	402	5	0	30	11	8
1	4	4	3	403	7	0	25	12	9
1	4	4	4	404	6	8	40	13	10
1	4	4	5	405	4	0	20	14	11
								15	12
								16	13
								9	6
								10	7
								11	8
								12	9
								13	10
								14	11
								15	12
								16	13

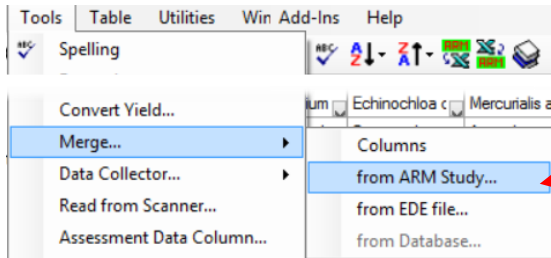
Treatments have been added to the end of treatment list and additional columns of data have been added to assessment data.

Note: look over treatment list carefully and correct as necessary.

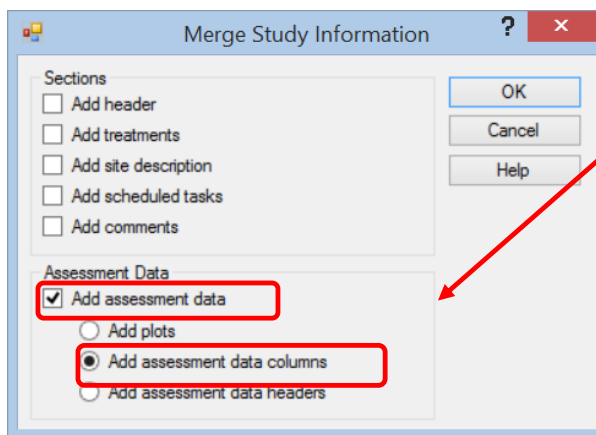
Merge - Assessment Data - Add assessment data columns:

Select this option to add assessment data from another trial as new data columns.

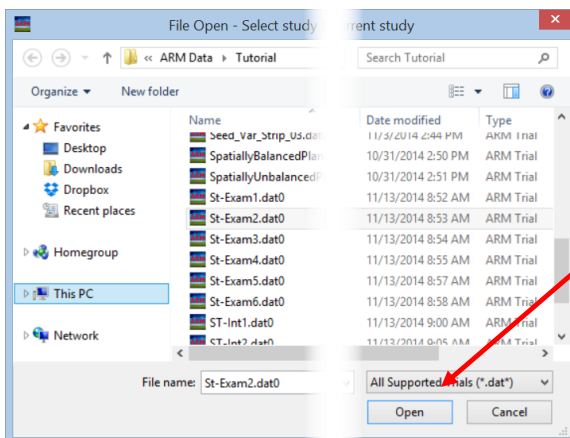
Example: Two different people added different assessments to two copies of the same trial, such as when working offline for a shared network trial folder. For example, technician A added a crop height measurement in one trial, and technician B added a leaf color measurement into a separate offline copy of the same trial. "Add data columns" will bring technician B's assessment into technician A's trial.



1. Open 'AUDPC_1.dat0'.
2. Select Tools - Merge - From ARM study...



3. Select 'Add assessment data'
4. Check 'Add assessment data columns'
5. Click 'OK'



6. Select study to merge from.
7. Click 'Open'

ARM adds assessment data from the other trial as new assessment columns in current trial.

Convert to multi-factor trial

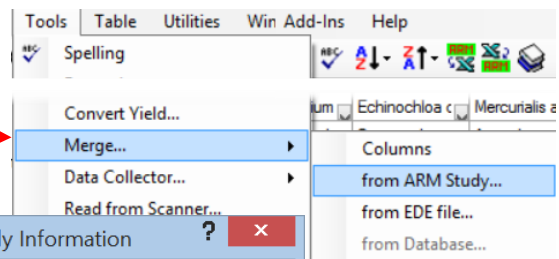
Convert a one-factor trial to a split-plot trial when all of the conditions below apply:

1. Merging a one-factor trial into another one-factor trial.
2. Both trials have the same number of treatments and data columns.
3. **Add treatments** is checked, **Add assessment data** is checked, and **Add plots (experimental units)** is selected on the merge dialog.
4. You responded 'Yes' when asked if merged assessment data columns should be combined with existing columns.
5. You responded 'Yes' when asked to change experimental design to a 2-factor split-plot with merged treatments as factor A level 2.

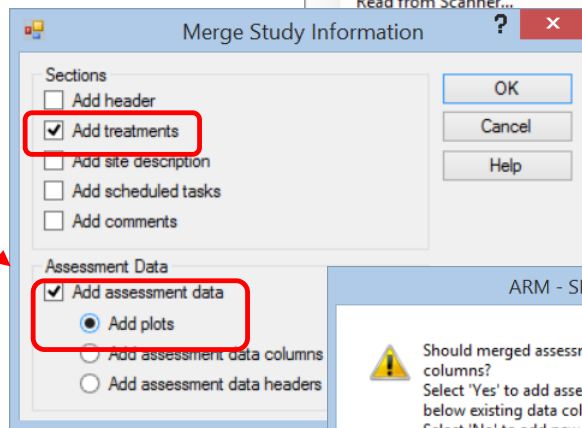
Example:

1. Open trial to merge into.

2. Select Tools - Merge - from ARM study...

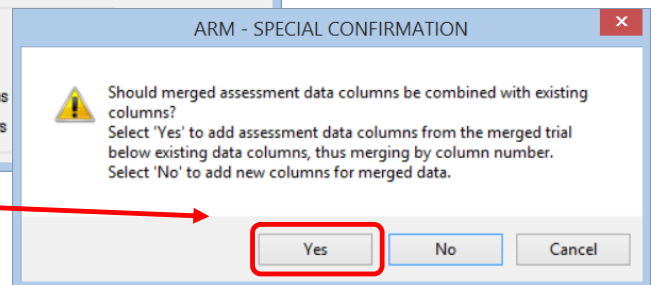


3. Check 'Treatments', 'Add assessment data', 'Add plots'

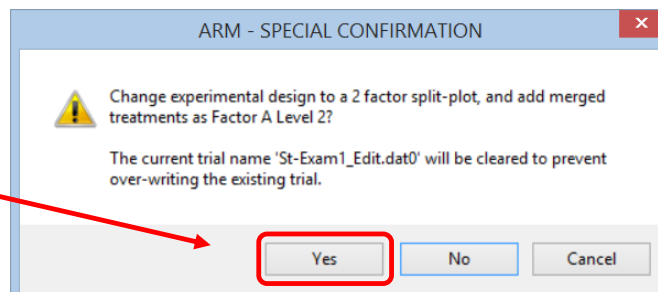


4. Click OK.

5. Click 'Yes' to merge assessment data columns with existing columns.



6. Click 'Yes' to change experimental design.



Note treatment list after merging

Note: Use Edit | Replace in treatment list to remove 'A1', 'A2' and replace with something more meaningful, like 'Location 1', 'Location 2'

Treatments - Line 23															
Trt Line	Trt No.	Type	Treatment Name	Form Conc	Form Unit	Form Type	Lot Code	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	Factor ID	Level No.
1	1		A 1										A		1
2	1	HERB	Super Stomp	500	GA/L	EC		1.5	L/ha	750	G A/HA	PREPRE	A	B	1
3	2		A 1										A		1
4	2	HERB	Stamper	800	GA/L	EC		4	L/ha	3200	G A/HA	PREPRE	A	B	2
5	2	HERB	C50220	500	GA/L	SC	B05-265	0.5	L/ha	250	G A/HA	PREPRE	A	B	2
6	3		A 1										A		1
7	3	HERB	Sure Kill	200	GA/L	EC		2	L/ha	400	G A/HA	EAPOCR	B	B	3
8	3	HERB	C50220	500	GA/L	SC	B05-265	1	L/ha	500	G A/HA	EAPOCR	B	B	3
9	4		A 1										A		1
10	4	CHK	Untreated										A	B	4
11	5		A 2										A		2
12	5	HERB	Super Stomp	500	GA/L	EC		1.5	L/ha	750	G A/HA	PREPRE	A	B	1
13	6		A 2										A		2
14	6	HERB	Stamper	800	GA/L	EC		4	L/ha	3200	G A/HA	PREPRE	A	B	2
15	6	HERB	C50220	500	GA/L	SC	B05-265	0.5	L/ha	250	G A/HA	PREPRE	A	B	2
16	7		A 2										A		2
17	7	HERB	Sure Kill	200	GA/L	EC		2	L/ha	400	G A/HA	EAPOCR	B	B	3
18	7	HERB	C50220	500	GA/L	SC	B05-265	1	L/ha	500	G A/HA	EAPOCR	B	B	3
19	8		A 2										A		2
20	8	CHK	Untreated										A	B	4