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
   - 'Show All' to select all sections
   - '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
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'.

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'