

The *Migrate* Program

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An onerous task every time you receive a new version of PIGBLUP is that of re-creating your existing herds, breeds and buyers beneath the new version's directory. This can require a lot of editing and checking when the new version's files have an altered format, additional parameters or altered syntax – quite apart from the ease of mistyping. In addition to migrating your existing version's files, setting-up your AUTOEXEC.BAT file is a recurring source of problems.

The program MIGRATE has been designed to do most of the “leg work” when migrating files from version 4.00 or later. Once you have installed the new version's files in a new directory, MIGRATE can be run by issuing the command.

MIGRATE

Note, it MUST be run from the installation directory of the new version.

As MIGRATE knows the version number of the new version, with your permission, it can add the appropriate environment variables to the AUTOEXEC.BAT file to point to the new installation directory. (As you can run MIGRATE any number of times, the program detects if the AUTOEXEC.BAT has been edited for the new version.)

MIGRATE then operates as follows:

- It examines the new version's set of installed herds and breeds.
- It lists the old version references found in AUTOEXEC.BAT and asks you which one to migrate from.
- The new version's installation directory default files are converted to use the old version's installation directory values.
- It asks you if **all** the old version's herds etc. are to be migrated.
- If you did not ask for all herds etc. to be converted, it lists the old version's herd-breed(-buyer) possibilities – flagged if they have already been migrated – for you to select from; otherwise, it picks the next breed/buyer that has not been migrated to migrate.
- It then creates the appropriate directory beneath the new version's installation directory and migrates the FARM1.INP, LIMITS.TXT, ECONX.DAT, AUSMEAT.DAT, SOLV.PAR and GENPAR.DAT files.
- If the conversion was successful, the conversion is logged in the MIGRATE.HIS file and the program then solicits the next breed/buyer to migrate.

If, from an earlier version still, you try to migrate a breed/buyer with the same herd/breed/buyer names as one already migrated, MIGRATE has to assign it a new

directory name. It does this by using the first unused directory name. Thus, if you have previously migrated H1\B1 and H1\B3 and you ask to migrate the H1\B3 directory again or an H1\B3 from a different version, MIGRATE will see that H1\B2 is free and use that as the herd/breed name in the new version. Thus, if you want to preserve the breed/buyer directory structure and names you are familiar with, you should migrate all breeds/buyers from your *current* PIGBLUP version before trying to migrate specific other breeds or buyers from earlier versions.

It helps to understand how each file is converted. The same method is used for each file type.

First, MIGRATE loads the values from the appropriate default file in the new version's installation directory. Second, for parameters common to the old and new version, it replaces the new version's default setting with that from the old version. Lastly, it saves the settings to the appropriate file in the new directory. Thus, settings that are new with the new version are preserved, parameters common to the two versions are set to the old version's settings, and obsolete parameters (if any) are not migrated.

There is no mechanism for indicating that particular parameters default settings are to be preserved. We are not aware at present of a need to do so.

There are things that MIGRATE does **not** do:

- It does not alter the memory settings of the MS-DOS Window Properties.
- If you have altered trait names or scales, they are not migrated; you have to edit these in yourself.
- Files which were *generated* during a PIGBLUP analysis, are not migrated. Thus, your CUSTOM.INX and trend files are not migrated.
- It does not migrate files from PIGBLUP versions prior to version 4.00.

It is still necessary to Re-Start your PC after running MIGRATE so the changes to AUTOEXEC.BAT are recognised. However, if you should re-run MIGRATE at some later date, Re-Starting is not necessary as the AUTOEXEC.BAT file will not have been changed.