

## Installing and running the R-version of FarmSim

To install FarmSim to a folder called `d:\models\Rpackages\FarmSim`, please follow these steps:

- First create the folders called:
  - `d:\models`
  - `d:\models\Rpackages`
  - `d:\models\Rpackages\FarmSim`
- Copy the files 'LivSim\_1.1.zip' and 'FIELD.QUEFTS\_1.1.zip' to the folder 'd:\models'.
- Open your R front-end of choice and issue the following commands:
  - `setwd('d:/models')`
  - `install.packages('d:/models/LivSim_1.1.zip', lib = 'd:/models/Rpackages/FarmSim', repos = NULL)`
  - `install.packages('d:/models/FIELD.QUEFTS_1.1.zip', lib = 'd:/models/Rpackages/FarmSim', repos = NULL)`
  - Please note that simply copying the statements above may not work, because R may not recognise the quotes used by Word.
- Unzip the file called FarmSim.zip and copy the contents of the archive to the folder 'd:\models\Rpackages\FarmSim'.

If all the steps have been completed successfully, the model can be run by opening your R front-end of choice and issuing the following commands:

- `setwd('d:/models/Rpackages/FarmSim')`
- `source('run_farmsim.r')`

## Editing input data

The input-data to the models is organised in two Excel-files. These Excel-files are in the FIELD and LivSim subdirectories of the main package folder. To change the inputs to the model, simply change whatever data needs to be updated and hit the button on the 'Readme'-tab. A macro will now convert the data in the Excel-file to the csv-files that are used by the model. Please note that in order for this procedure to work, macros must be enabled in the workbook.