



Test & examples for application of 4C open source

All used data are available in the gitlab repository. For each simulation you need at least two files in the input directory:

- species_neu.par
- genereg.par

and the additional files given in the separate directories of the test cases.

1) Test flag_multi=1 without statistics

site:

Pine stand site10

sim-files:

test_flaglimi.sim

2) Test flag_multi=1 with measurement data analysis, statistics

flag_stat=1/ 2

site

- a. site02, annual statistics
- b. site01, daily statistics

sim-files:

test_stat_ann.sim

test_stat_day.sim

3) Test flag_multi=1 with management (flag_mg=3) and WPM&SEA

site10

sim-file:

test_wpm.sim

additionally, it is required:

sea_prices.wpm

4) Test flag_multi=2 (climate scenarios by variations of a given climate)

Site10

sim-file:

test_flagm2.sim

5) Test flag_multi=6 (each year with the same stand initialization)

Site10

sim-file:

test_flagm6.sim

6) Test flag_multi=8

sim-file:



test_flagm8.sim

7) Test flag_multi=8 short rotation coppice (SRC with Aspen)

flag_reg=15

sim-file: **test_src.sim** (planting and harvesting of 3 stands with Aspen)

8) Test flag_multi=7 multi run

sim-file: **test_flagm7.sim**

9) Test initialization with single tree data

sim-file: **test_ini.sim**

file with single tree data: pine_age62.prn

for a guide see **manual_initilization.pdf** in the repository

Recommendations:

- do not use a subdirectory for the output-files in the sim-file
- for a single tree data file you should answer the following questions with:

Y

2

2

2

input/pine_age62.prn