

EPIC-IIASA (CZ) :: v3 :: manual

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CROPS

Selected crops for CZ and SK

Alfalfa

- crop “ALFA”
- crop ID = 31
- seasonality = other

Spring barley

- crop “BARL”
- crop ID = 14
- seasonality = spring

Corn silage

- crop “CSIL”
- crop ID = 29
- seasonality = spring

Corn

- crop “CORN”
- crop ID = 2
- seasonality = spring

Oats

- crop “OATS”
- crop ID = 16
- seasonality = spring

Field peas

- crop “FPEA”
- crop ID = 26
- seasonality = spring

Potato

- crop “FPEA”
- crop ID = 51
- seasonality = spring

Winter rapeseed

- crop “RAPE”
- crop ID = 122
- seasonality = winter

Rye

- crop “RYE”
- crop ID = 19
- seasonality = winter

Sugar beet

- crop “SGBT”
- crop ID = 62
- seasonality = spring

Sunflower

- crop “SUNF”
- crop ID = 7
- seasonality = spring

Soybeans

- crop “SOYB”
- crop ID = 1
- seasonality = spring

Winter wheat

- crop “WWHT”
- crop ID = 10
- seasonality = winter

R and RMD SCRIPTS

Naming rules:

- **CHMU__** : manipulation with chmu data (CZ)
- **CGMS__** : interpolation of chmu data (CZ)
- **EPIC__** : scripts used directly for generating or harvesting EPIC files
- **PROC__** : processing scripts, short, usually one time runs
- **VISUALS__** : outputs visualisation scripts
- ****_runCult**** : run on cultivars, BEFORE EPIC simulations
- ****_runCrop**** : run on crop, BEFORE EPIC simulations
- ****_hrvCult**** : run on cultivars, AFTER EPIC simulations
- ****_hrvCrop**** : run on crop, AFTER EPIC simulations

R

Folder for storing R scripts:

C:/Users/krizovak/Documents/**EPIC**/R/___epicIIASAcz/

```
## [1] "CGMS_tables.R"           "cultRESULTS_review.Rmd" "cultVISUALS.Rmd"
## [4] "EPIC_cultivars.R"        "EPIC_hrvCult.R"         "EPIC_onceTabs.R"
## [7] "EPIC_runCult.R"          "CHMU_gapAnalysis.R"     "CHMU_longTerm_Narep.R"
## [10] "PROC_shortCodes.R"       "README.md"              "VISUALS_report.Rmd"
```

RMD

Folder for storing R scripts:

C:/Users/krizovak/Documents/**EPIC**/R/markdown/___epicRMD/

```
## [1] "cultRESULTS_review.Rmd" "cultVISUALS.Rmd"
## [3] "EPIC_hrvCult.Rmd"       "EPIC_IIASA_CZ_manual.pdf"
## [5] "EPIC_IIASA_CZ_manual.Rmd" "EPIC_runCult.pdf"
## [7] "EPIC_runCult.Rmd"       "README.md"
## [9] "VISUALS_batch.Rmd"      "VISUALS_report.Rmd"
```

GIT

R and RMD scripts are stored on GITHUB

R scripts: [__epicIIASAcz](#)

RMD scripts: [__epicRMD](#)

SIMULATION WORKFLOW

Cultivars

Run Cultivars

Hrv Cultivars

Crop

Run Crop

Hrv Crop

VALIDATION