

Navigating the OCAAF Results: Clay Belt Study (timothy)

The Clay Belt assessment results are organized into 3 separate folders containing data and maps:

- 1) Climate
- 2) LSRS Components
- 3) Yield Analysis

Each of these folders contain a series of data files and maps (PNG files) that depict the results. Note that not all variables were mapped, but the raw data for further mapping is available in the data files. Data files are either provided as CSV files or EXCEL files split into individual grid points as the left most columns of latitude and longitude. Where rows are blank, there is no data.

Each file labeled with “1981-2010”, “baseline” or “2000s” refer to historical data or maps, while future projections would be labelled with 2020s, 2030s, 2040s or 2050s. The file names are summarized using short forms, which are explained below along with some examples of files names and their meaning.

Climate

Abbreviation	Meaning
PREC	Precipitation
TMAX	Maximum temperature
TMEAN	Mean temperature
TMIN	Minimum temperature
P	Precipitation
PE	Potential evaporation
PPE	Precipitation minus potential evaporation
Examples:	
North_p_apr_2000s	Precipitation in April for the baseline period
North_pe_aug_2020s	Potential evaporation in August for the 2020s
North_ppe_dec_2030s	Precipitation minus potential evaporation in December for the 2030s
out-p-annual-2020s	Annual precipitation for the 2020s
out-t-feb-2030s	Temperature in February for the 2030s
out-tmax-jul-2040s	Maximum temperature in July for the 2040s
tmean_february_1981.2010	Temperature for February for the baseline period

LSRS Components

Abbreviation	Meaning
FH	Fall hardening
WTHAW	Winter thaw
GDD	Growing degree day 5
PPE	Precipitation minus potential evaporation
Pct	Percent
gs_start	Growing season start date (Julian day of year)
gs_end	Growing season end date (Julian day of year)
gs_length	Growing season length (number of days)
Examples:	
North_Basic.Climate.Rating_2000s	Basic climate rating for the baseline period
North_Climate.Rating.w.o.FH.WTHAW_2020s	Climate rating for the 2020s without the climate modifiers, fall hardening and winter thaw
North_ff_days_2050s	Frost free days for the 2050s
North_GDD.Deduction_2050s	Growing degree day 5 deduction for the 2050s
North_gs_end_0_2030s	Growing season end date for the 2030s
North_PPE..May._2000s	Precipitation minus potential evaporation in May for the baseline period, an indicator of moisture availability
North_Final.Class.w.o.FH.WTHAW_2020s	Final LSRS class for the 2020s without the climate modifiers, fall hardening and winter thaw

Yield Analysis

Examples:	
ClayBelt_Cut1_Yield_2000s	Average timothy yield for cut 1 in the baseline period
ClayBeltYield_2020s	Projected timothy yield for the 2020s

Contact

If you have any issues interpreting the results of the OCAAF, please contact:

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