

# Navigating the OCAAF Results: Southwestern Ontario Study (corn)

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The Southwestern Ontario 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
Ann	Annual
PREC	precipitation
P	precipitation
PE	potential evaporation
TMAX	maximum temperature
TMEAN	mean temperature
TMIN	minimum temperature
Examples:	
out-Prec-ann-2020	Annual precipitation for the 2020s
out-Tmax-nov-2040	Maximum temperature in November for the 2040s
South_pe_apr_2030s	Potential evaporation in April for the 2030s
South_Prec.mar._2040s	Precipitation in March for the 2040s
South_Tmean.oct_2050s	Mean temperature in October for the 2050s
south-CanGRD-AugMnT-base	Minimum temperature in August for the baseline period

## LSRS Components

Abbreviation	Meaning
CHU	Crop heat units
cli	Climate
cs_start	Crop season start date (Julian day of year)
cs_end	Crop season end date (Julian day of year)
cs_length	Crop season length (number of days)
drought.r2	Blister drought
drought.r3	Milk drought
drought.r4	Dough drought
Pct	Percent
PPE	Precipitation minus potential evaporation
PPE5	Precipitation minus potential evaporation for May
PPE9	Precipitation minus potential evaporation for September
PPE58	Precipitation minus potential evaporation for May through August
Examples:	
lsrs_south_Basic.Climate.Rating_2000s	Basic climate rating for the baseline period
lsrs_south_CHU.Deduct_2020s	Crop Heat Unit deduction for the 2020s
lsrs_south_drought.r2..frequency.in.30.years._2050s	Frequency of blister drought for the 2050s
lsrs_south_drought.r3_deduction_2030s	Mild drought deduction for the 2030s
lsrs_south_PPE.May.Deduct_2020s	Precipitation minus potential evaporation deduction in May for the 2020s
lsrs_south_PPE_May_Sep.Pct.Deduction_2040s	Precipitation minus potential evaporation deduction for May through September for the 2040s
lsrs_south_PPE9_2020s	Precipitation minus potential evaporation deduction in September for the 2020s
South_cs_length_2000s	Crop season length for the baseline period

## Yield Analysis

Examples:	
South_yield_2040s	Projected corn yield for the 2040s

## Contact

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

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