

Weather Variability, Climate Change and Implications for Agriculture

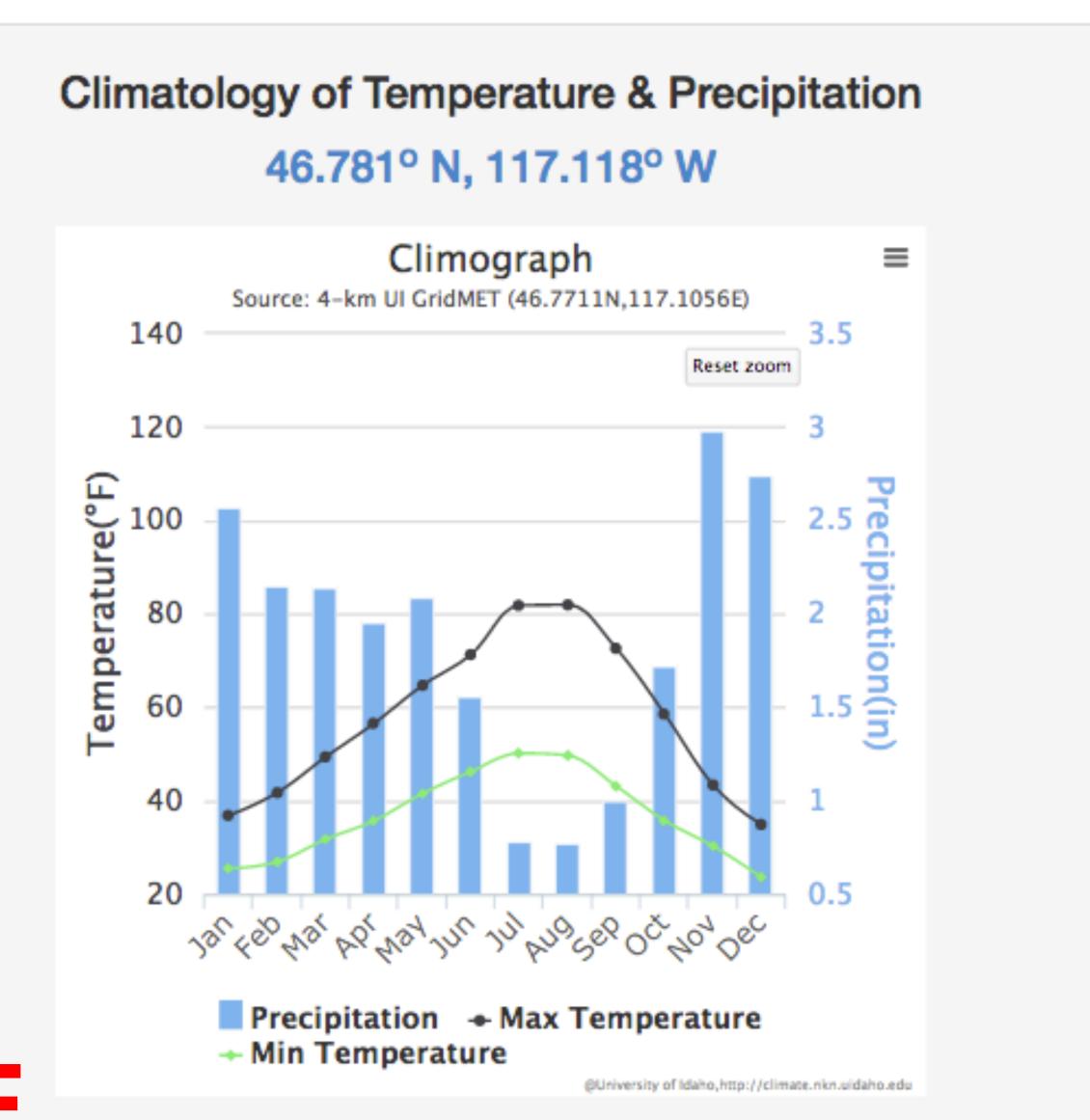
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WEATHER VS CLIMATE

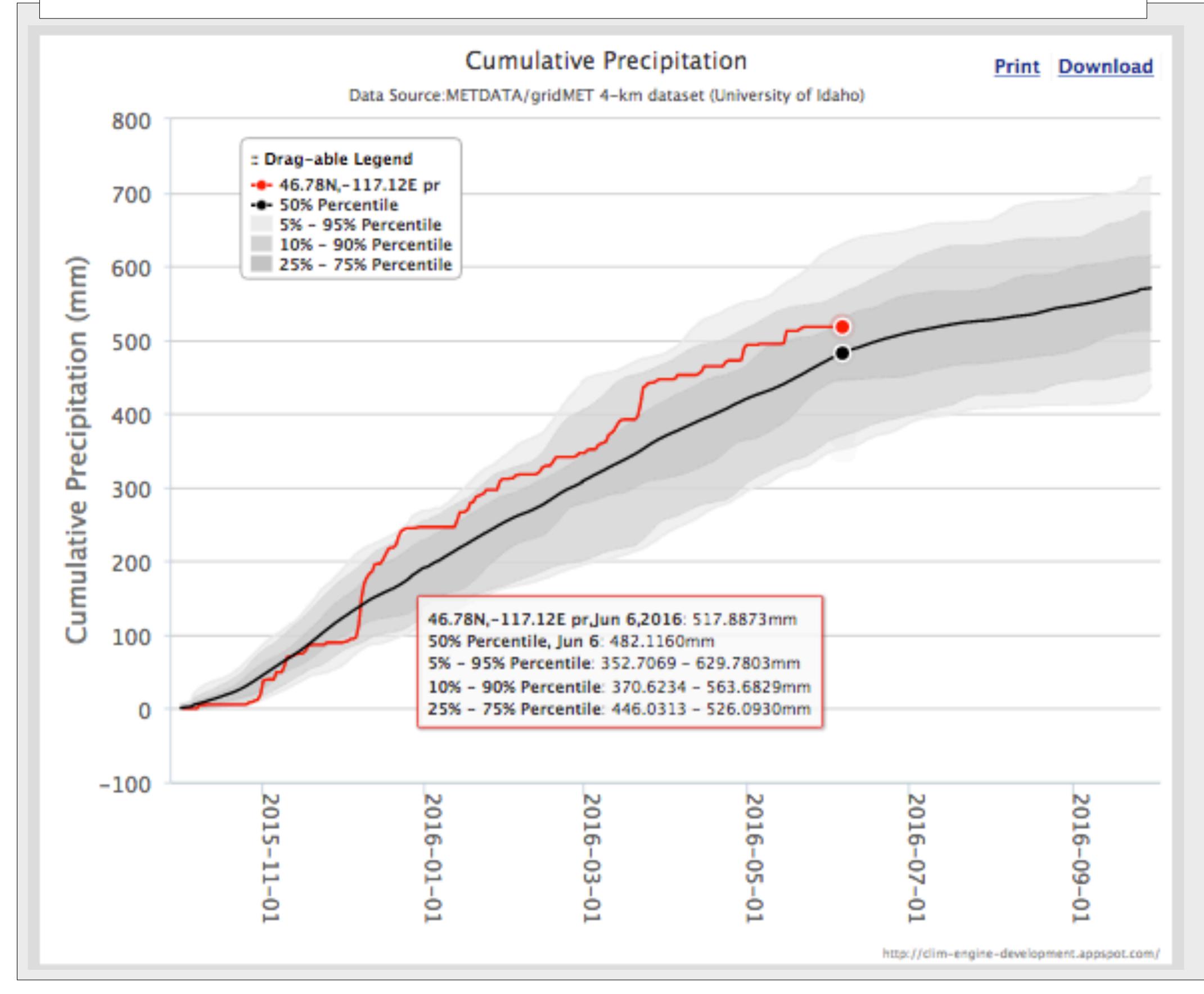
Weather is what you get....

Climate is what you expect

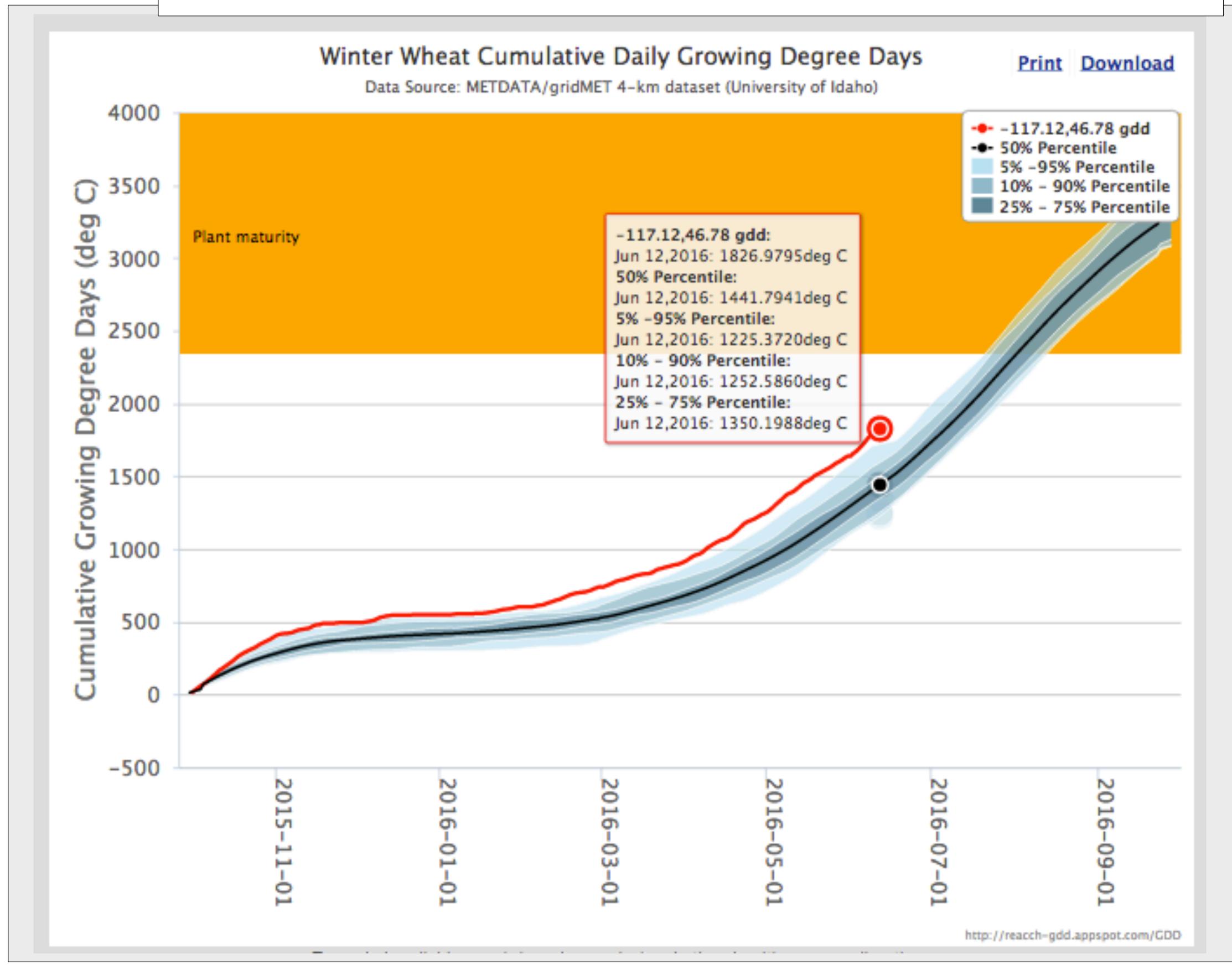


WEATHER VARIABILITY AND AGRICULTURE





CUMULATIVE GROWING DEGREE DAYS



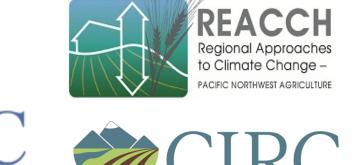


Weather, Climate & Remote Sensing Tools for Agriculture REACCH Tools
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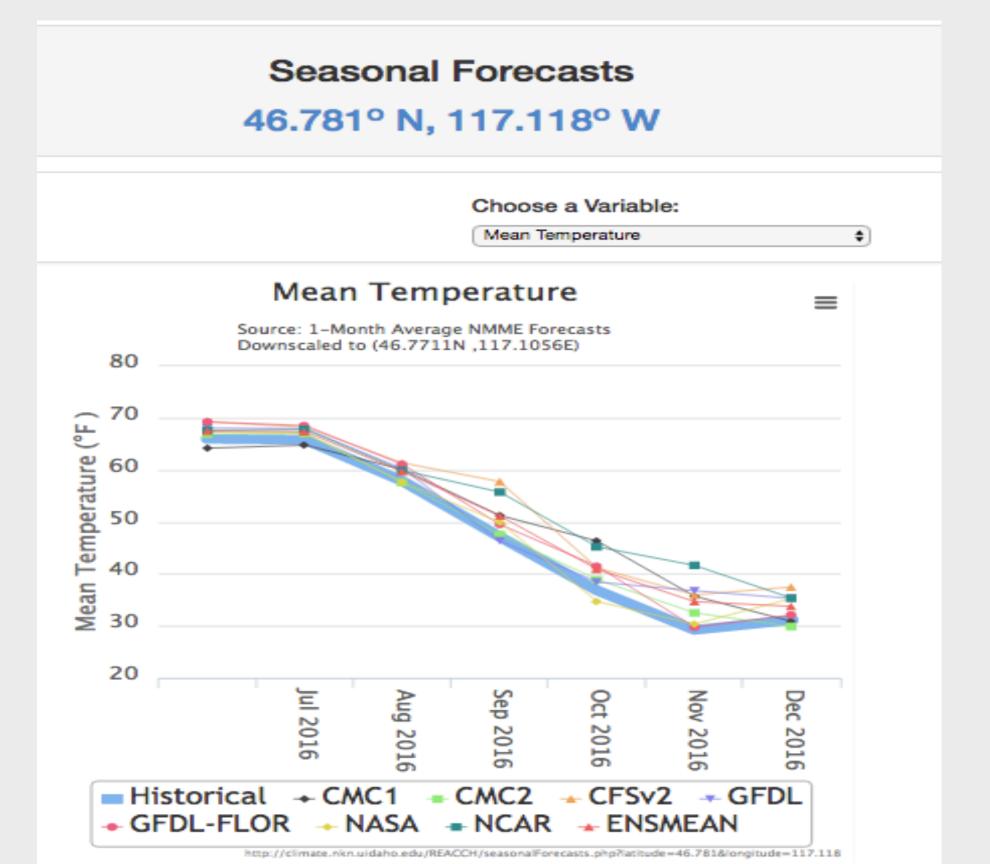




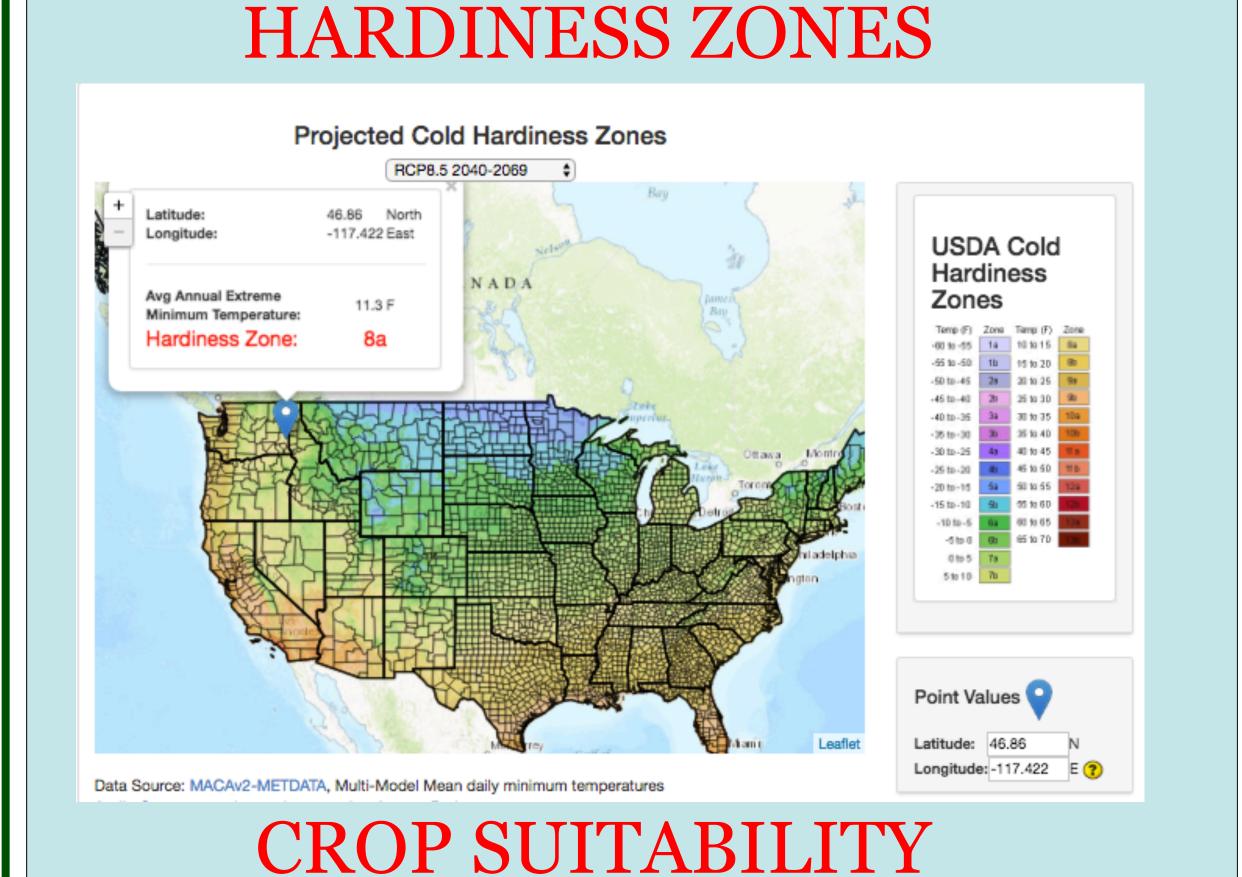
Climate/Weather Tools

PAST CLIMATE Climatology of Temperature & Precipitation 46.784° N, 117.118° W Climograph Source: 4-km UI GridMET (46.7711N.117.1056E) 2.98 inches Jackephal bolhay In In Marge 60 Oct May Dec

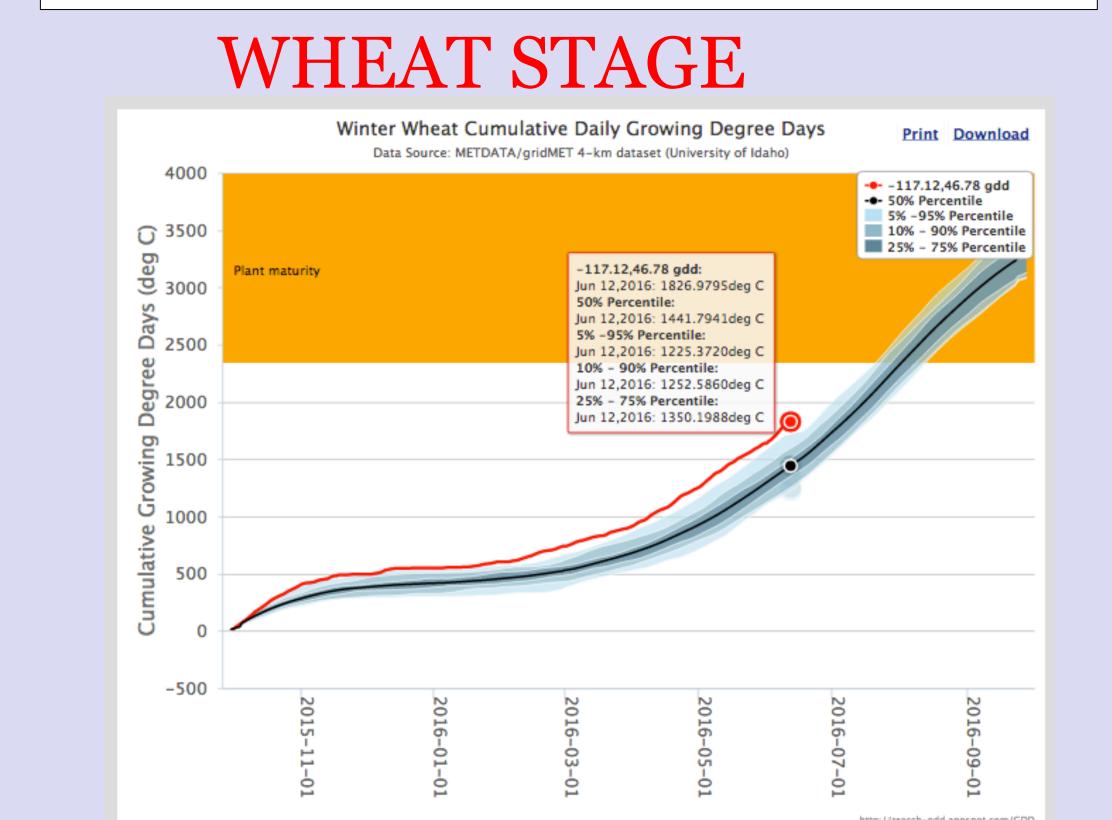
SEASONAL FORECASTS



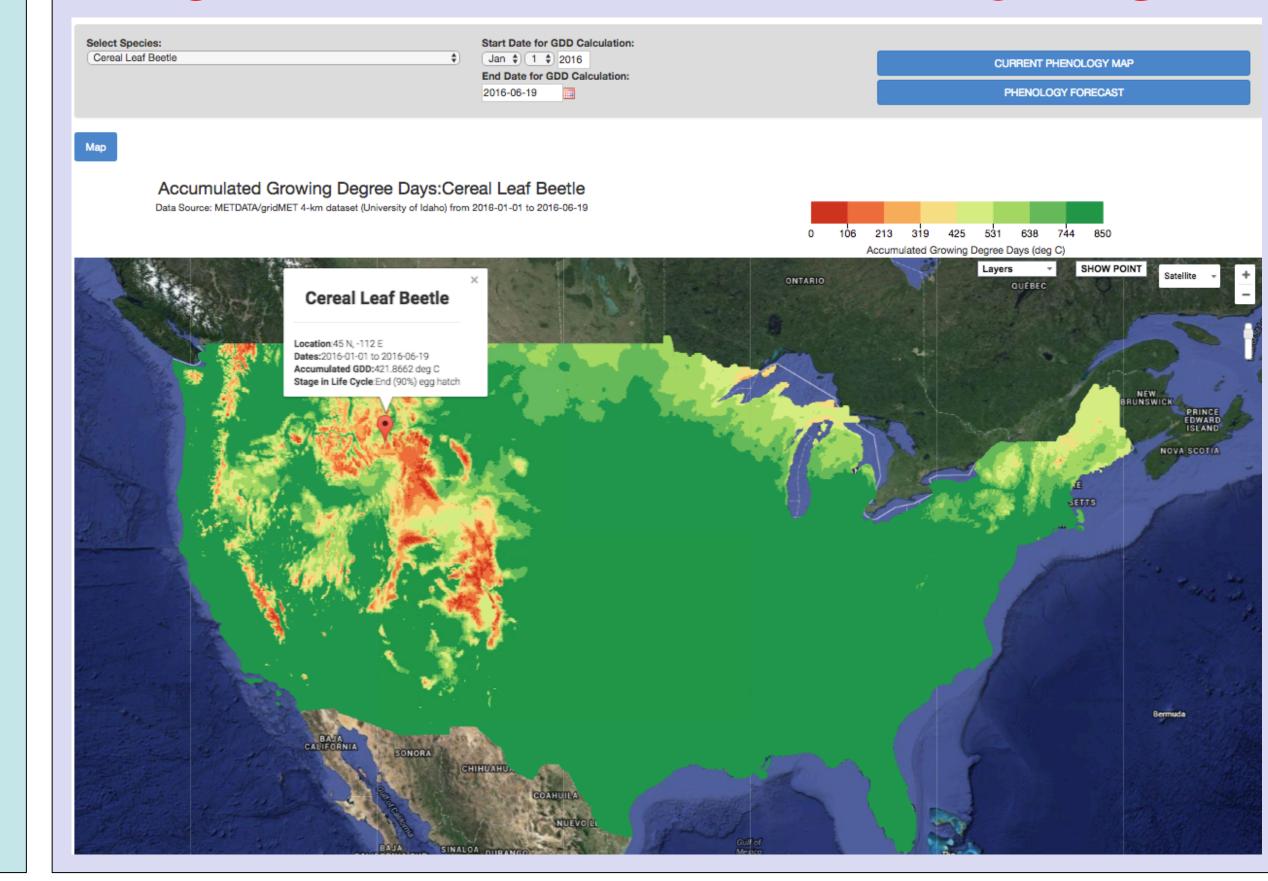
Cold Hardiness Zone Tools



Growing Degree Day Tools



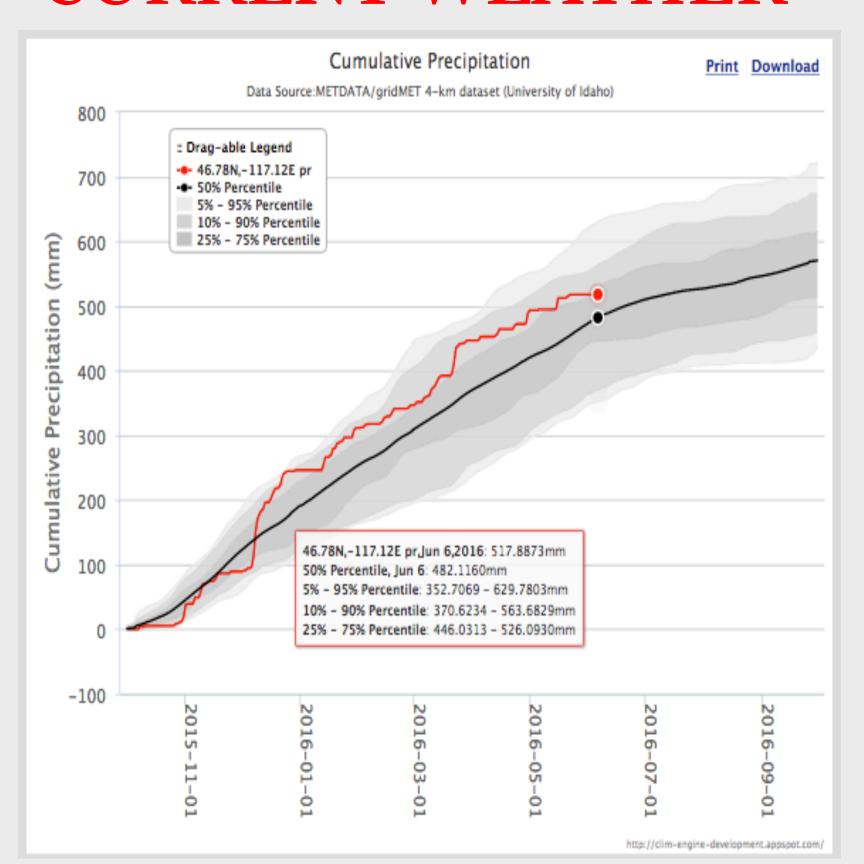
CEREAL LEAF BEETLE STAGE



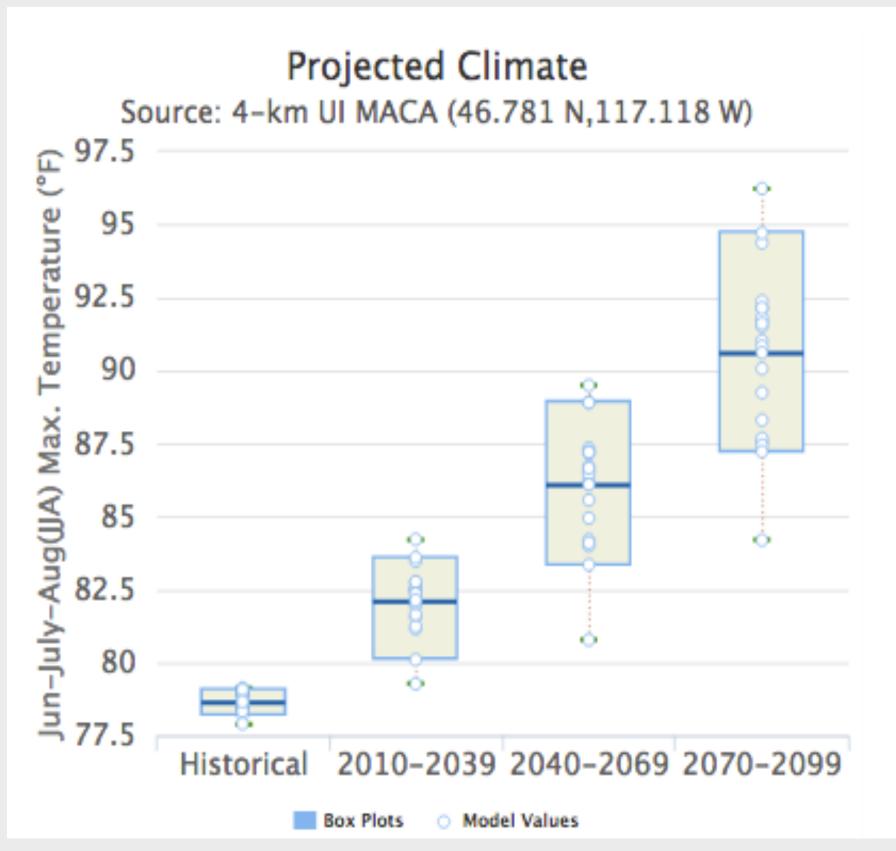
CURRENT WEATHER

Precipitation - Max Temperature

- Min Temperature



FUTURE CLIMATE

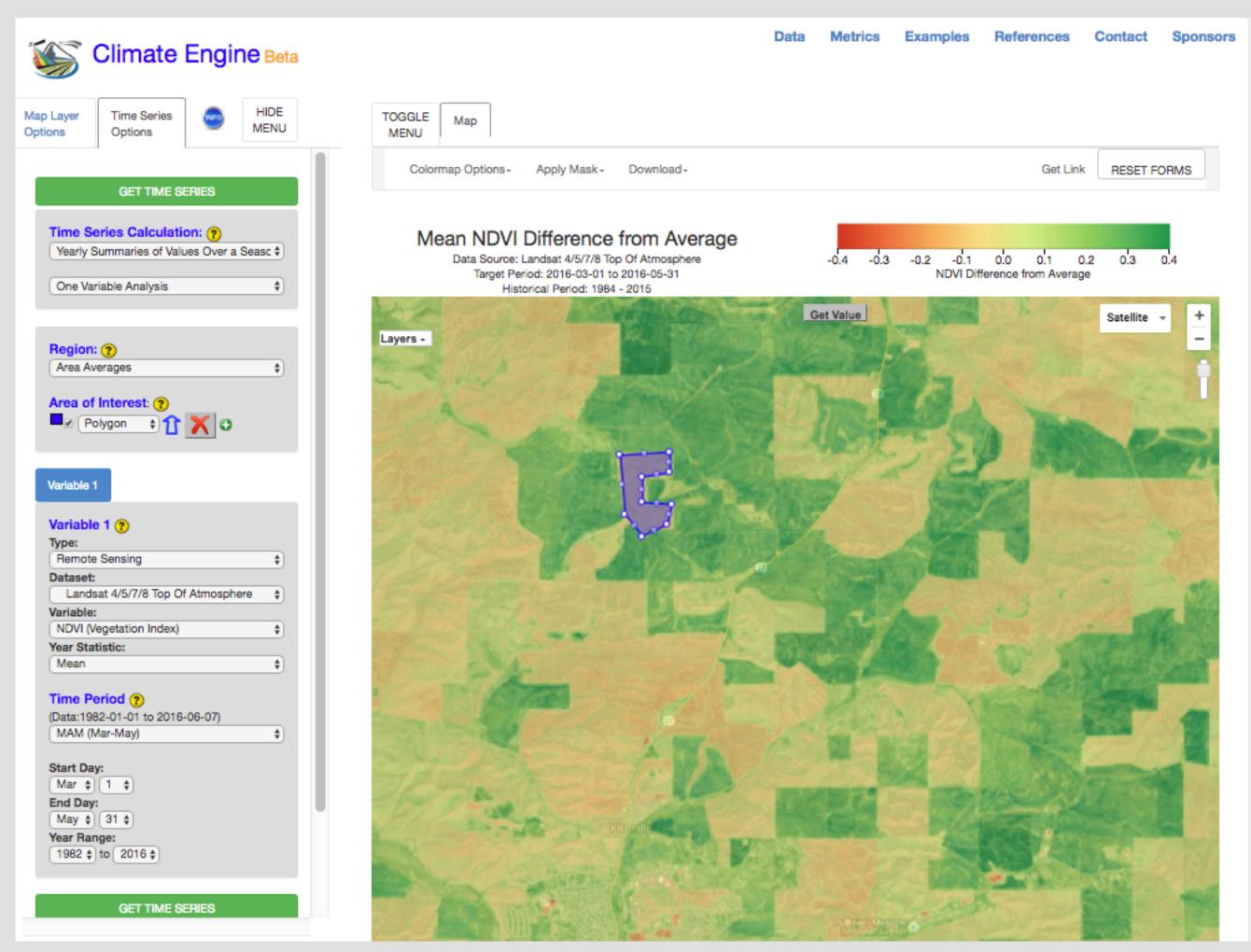


Remote Sensing Tools

Projected Crop Suitability Zones

Cold Hardiness Zones: 6a 😊 to 8b 😊

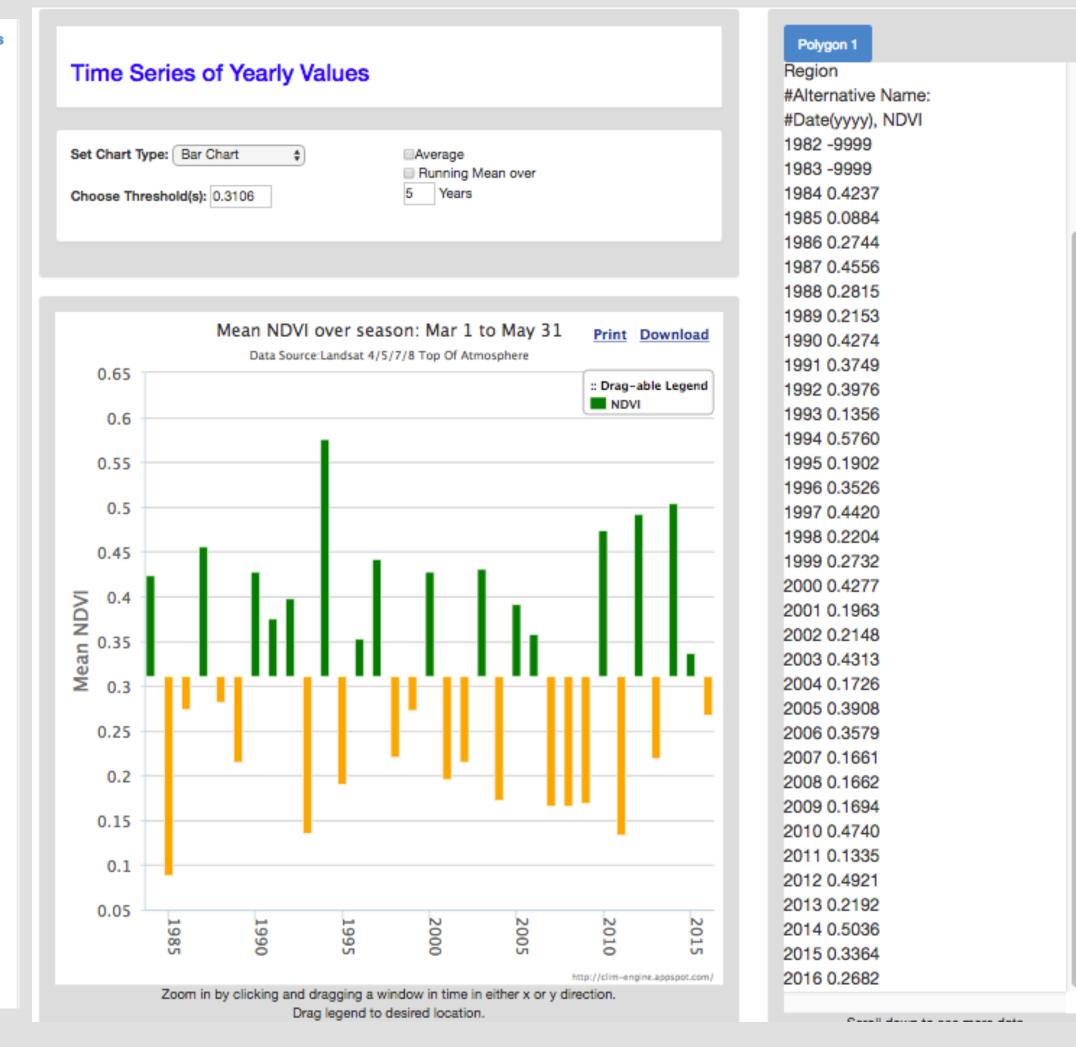
VEGETATION CHANGES



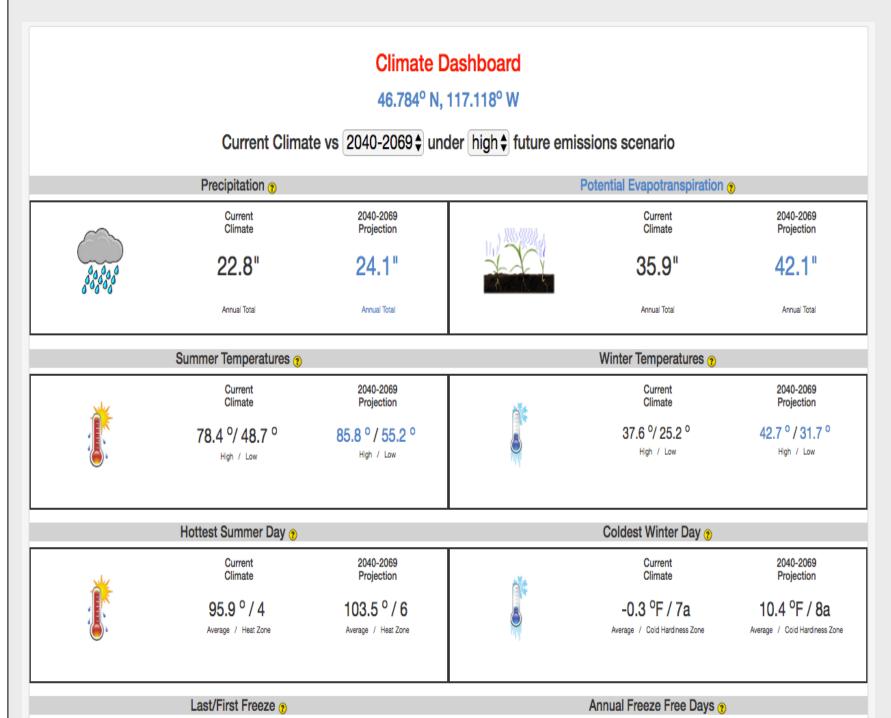
ClimateEngine.org Website

Layers

US States



CLIMATE DASHBOARD



2040-2069 Projection

Mar 17/

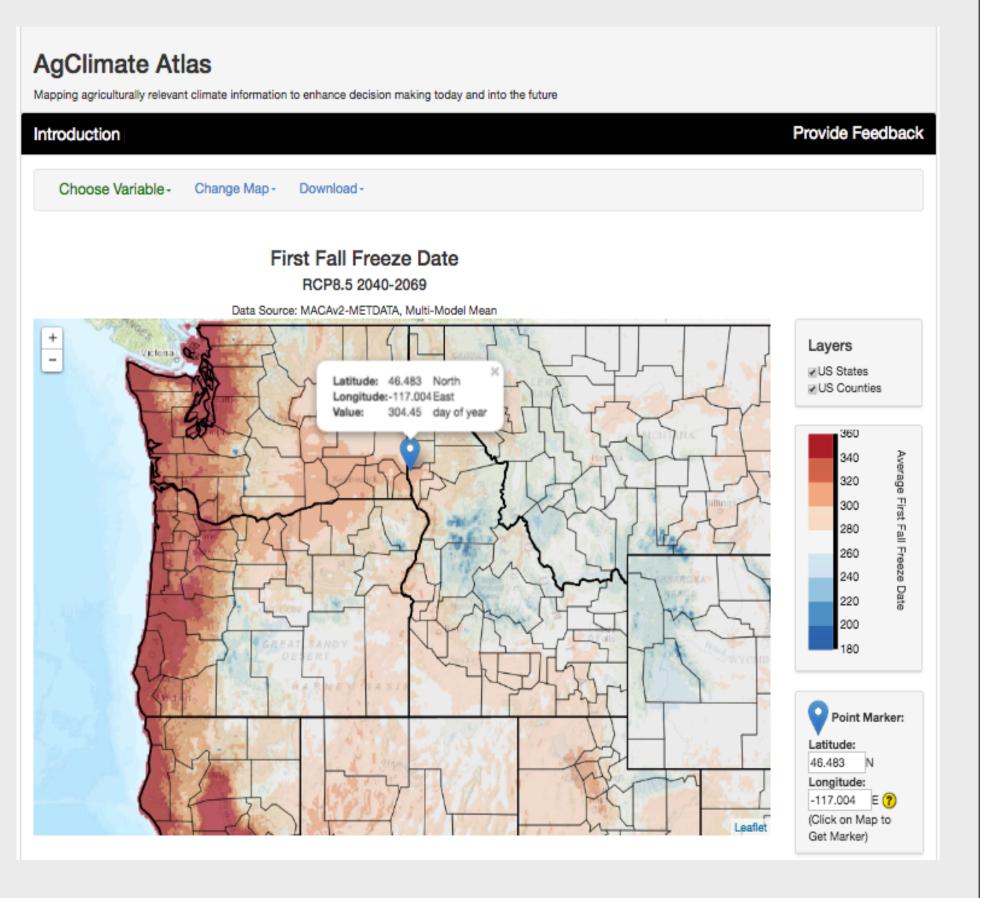
Oct 21/

Last Spring / First Fall

Oct 3

2040-2069 Projection

309.6 days



AGCLIMATE ATLAS

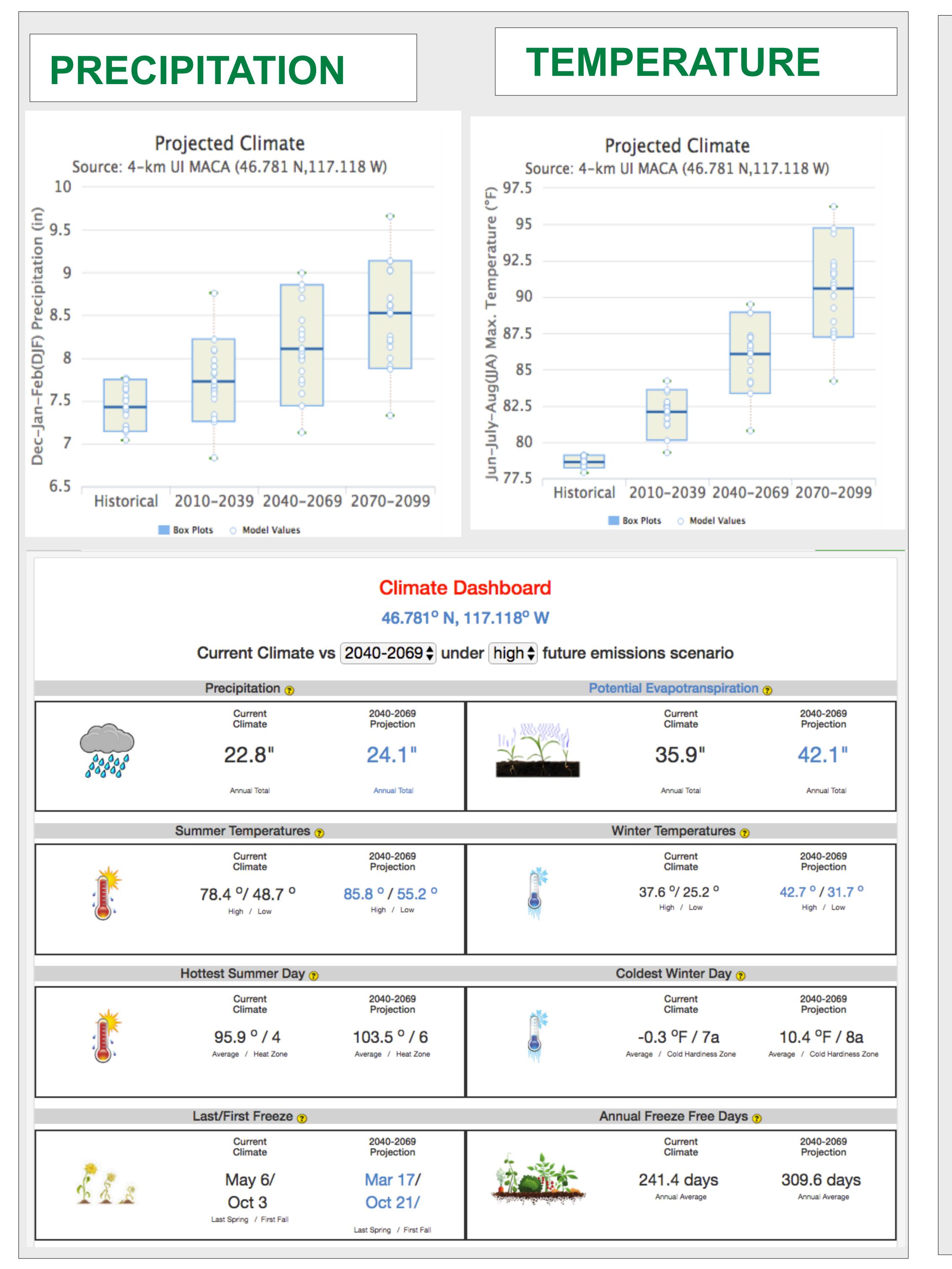


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CLIMATE PROJECTIONS



CLIMATE CHANGE AND AGRICULTURE

