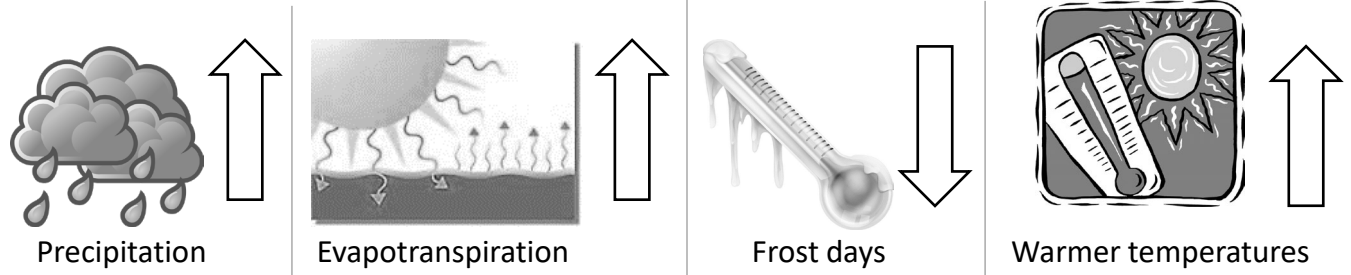
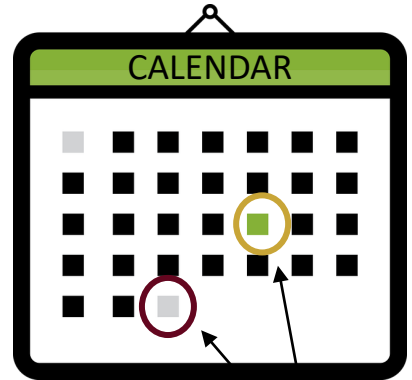
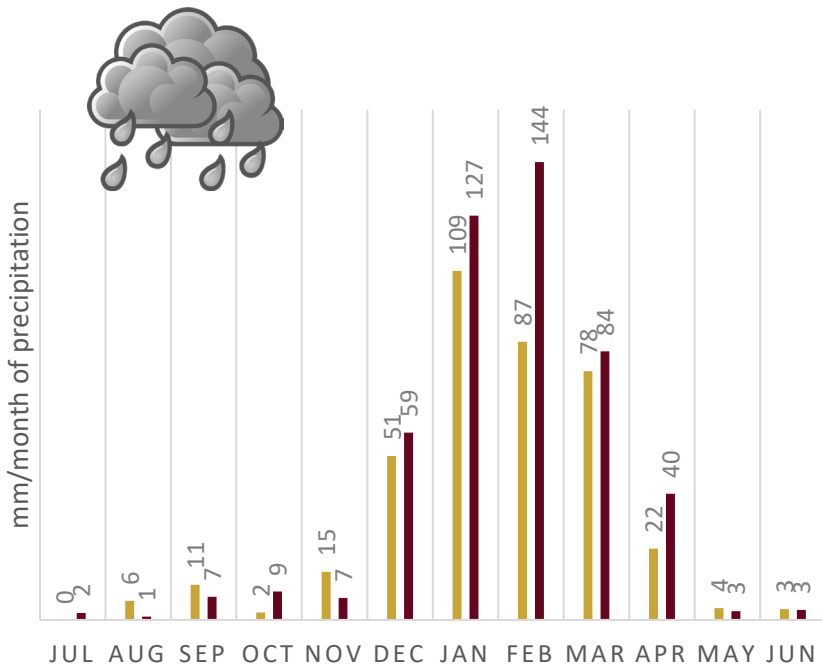


# Climate change in Madrigal, Colca Valley, Peru

By: K. Mazer, K. Bright, A. Moraes, R. Popovici, K. Cherkauer, and L. Bowling

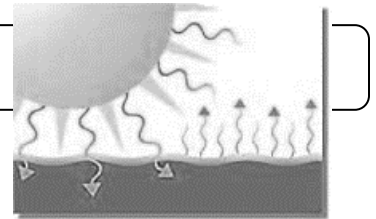
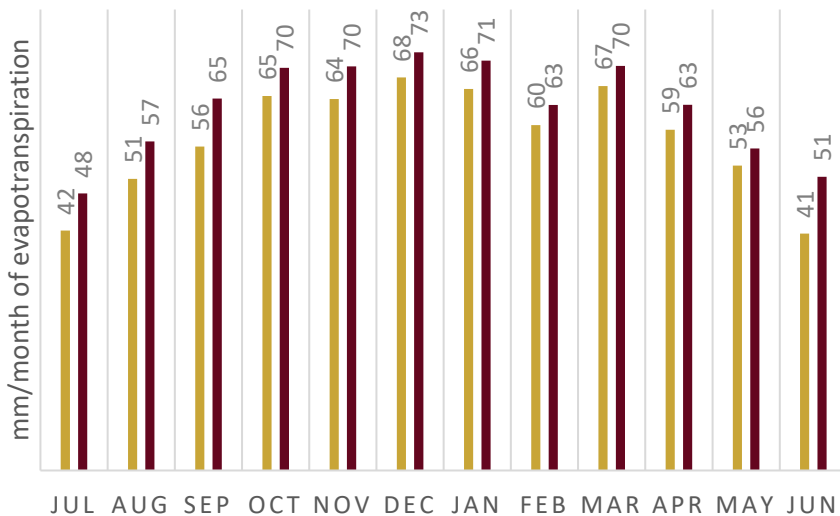


## MONTHLY PRECIPITATION



The rainy season is starting a few weeks later than before. Also, there is more water during the rainy season.

## EVAPOTRANSPIRATION RATES



Evapotranspiration is higher because it is hotter. This means that the soil dries more quickly.

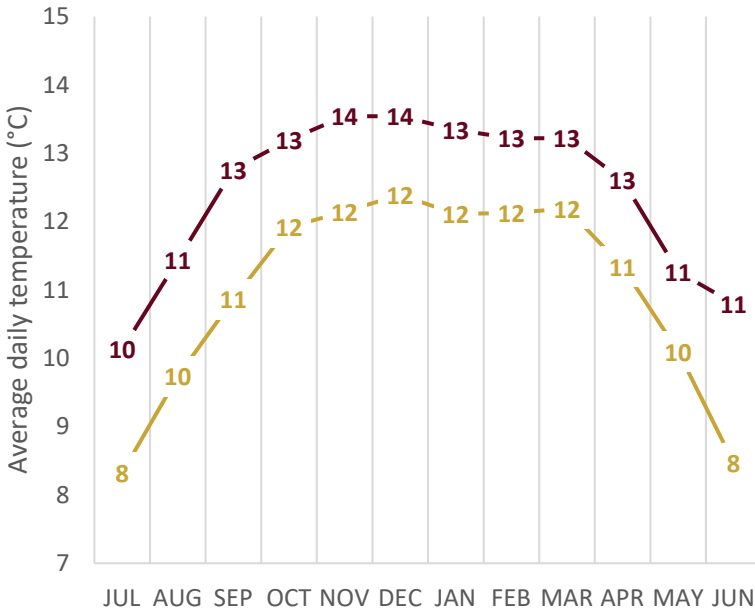
- 1988 - 1997
- 2008 - 2017

These data compare average values from the indicated years

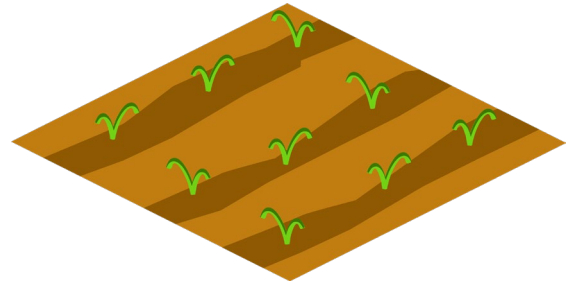
1988 - 1997  
2008 - 2017



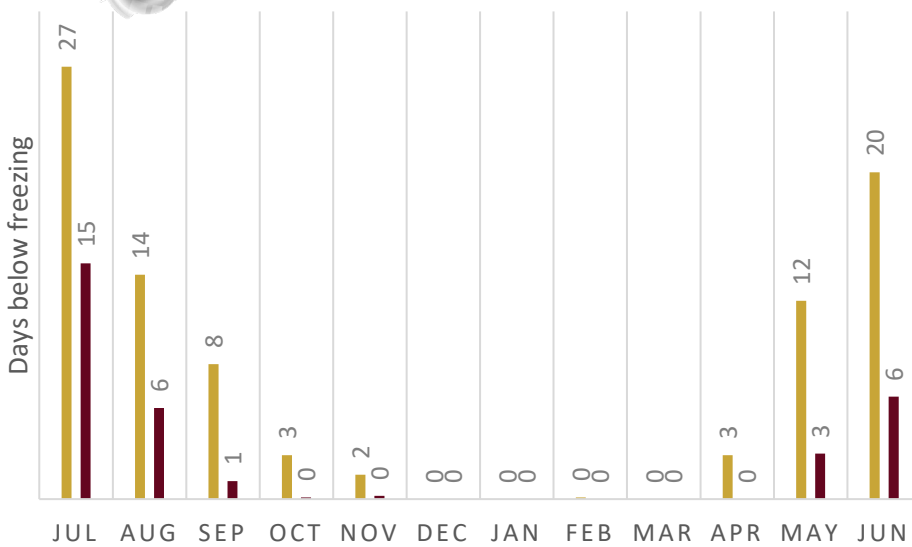
## TEMPERATURE



Temperatures throughout the year have increased in the last 30 years.



## FROST DAYS



There are fewer frost days, but they still occur. Although some months are hotter, there are still frost days in these months.

### CONTACT

For more information on the developers, this factsheet, and other tools created by the SWM team of the Arequipa Nexus Institute, contact us at [nexus-swm@purdue.edu](mailto:nexus-swm@purdue.edu).