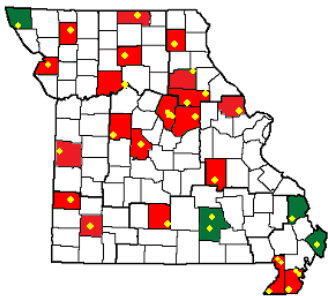
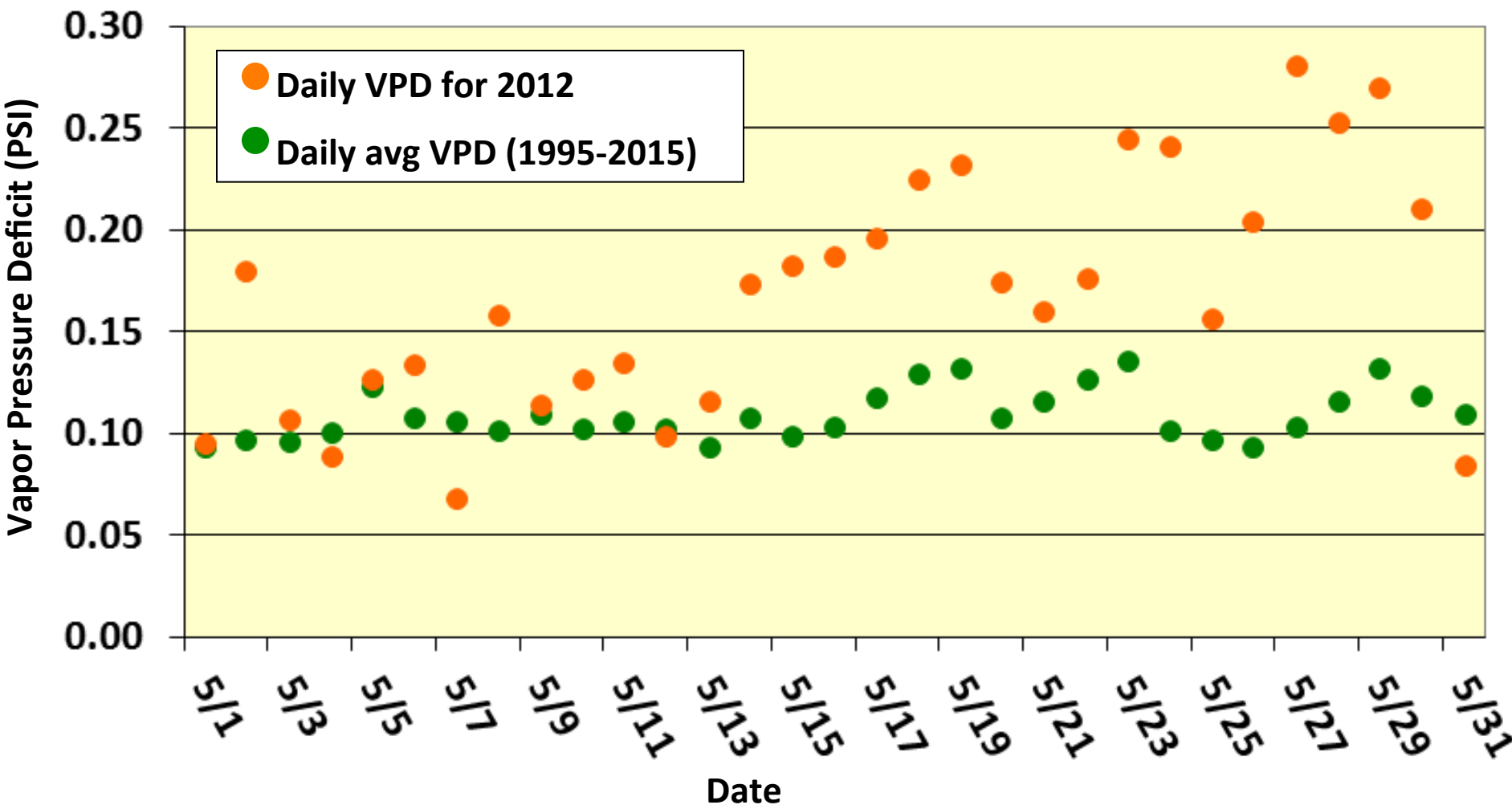


# **FLASH DROUGHT VULNERABILITY IN MISSOURI...**

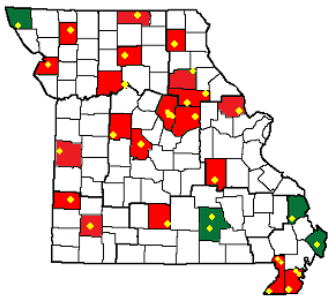
Above average vapor pressure deficits...



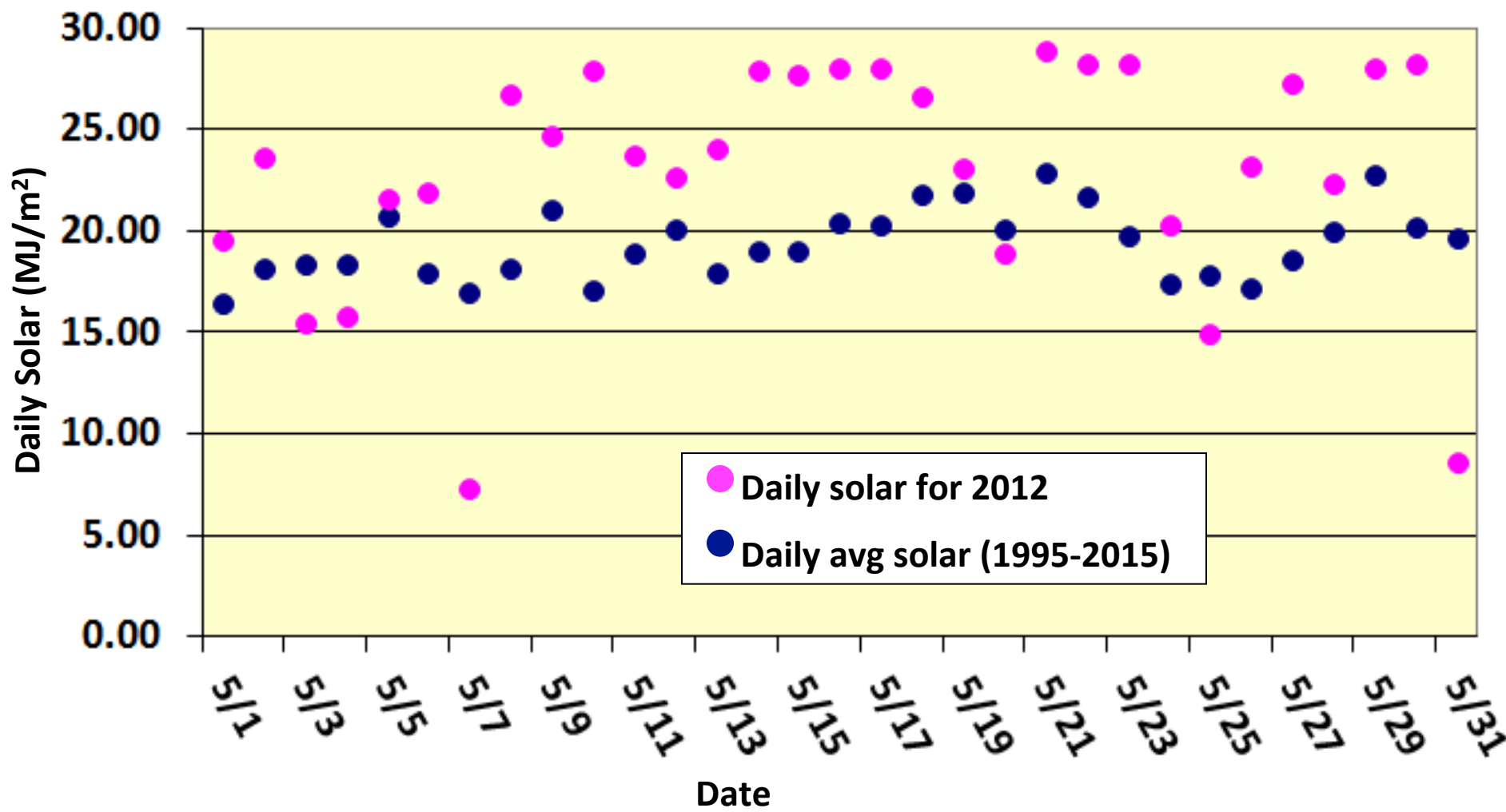
Vapor Pressure Deficits for May  
2012 vs. Average  
Columbia, Missouri – Sanborn Field



Above average solar radiation (direct + scattered)...

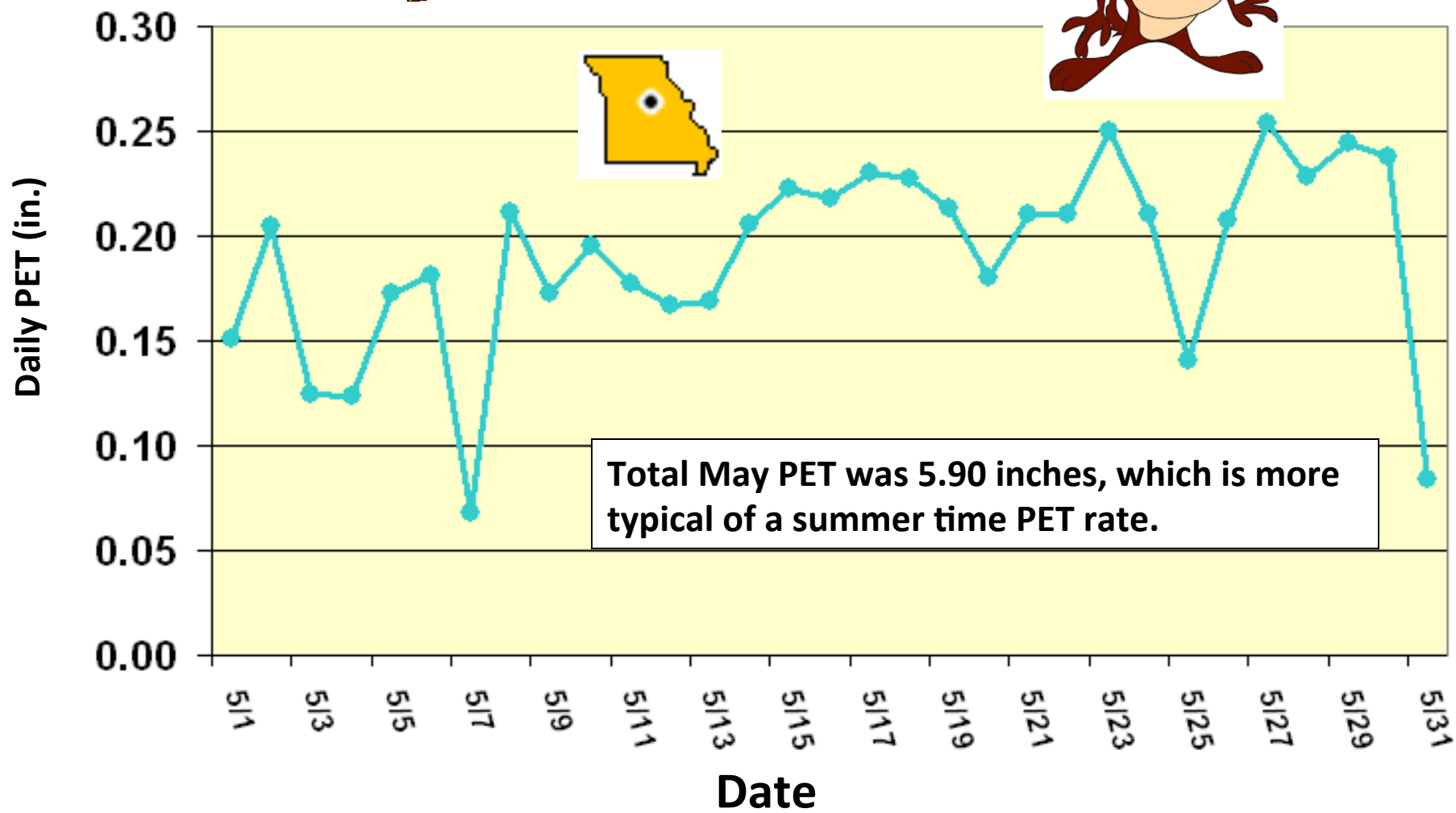
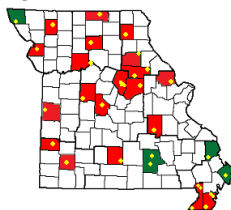


Daily Solar Radiation for May  
2012 vs. Average  
Columbia, Missouri – Sanborn Field



Above average potential evapotranspiration...

Columbia, MO Daily Short Crop Potential Evapotranspiration (in.)  
May 2012



# Claypan and Soils with Claypan-like characteristics in the Midwest

## Major Land Resource Areas 109, 112, 113 and 114

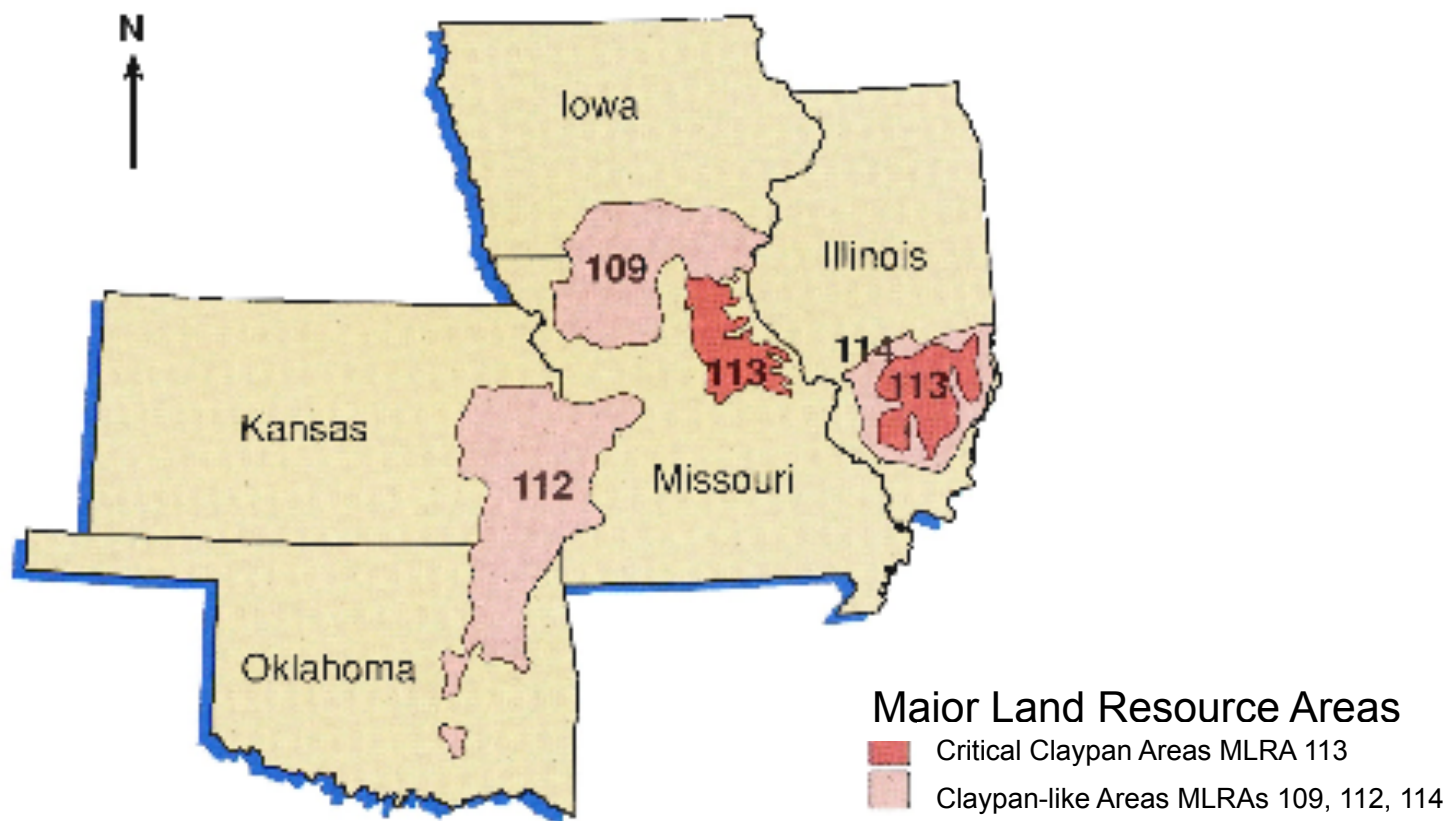


Figure 13. Distribution of claypan and claypan-like soils in the Midwest.  
Source: USDA Agricultural Handbook, 1981. Map prepared by CARTS, 1998.

# **Time of year with significant vulnerability: Spring developmental stages in claypan soils.**

**Bradford Farm Research Center, Columbia, MO**



**In 2012, local expertise and pictures were key  
to assessing the ag flash drought situation...**



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## Missourians encouraged to report drought information online

**By Michelle Proctor,  
Senior Information Specialist**

Pat Guinan, University of Missouri Extension climatologist with the Commercial Agriculture Program, wants Missourians to use the Drought Impact Reporter (DIR) as a way to inform decision makers of drought related impacts experienced across the state. The National Drought Mitigation Center (NDMC) in Lincoln, Nebraska has updated the online tool and rolled out a new user friendly version.

"By contributing information via <http://droughtreporter.unl.edu/>, Missourians can provide additional impact reports to the Drought Monitor authors, who will then use the information in their weekly drought depiction process," said Guinan.

Guinan is one of many participants who provide information to the authors of the NDMC's weekly Drought Monitor map. At the state level, it is a collaborative effort among state and federal agencies, professionals, the public, and climatologists from neighboring states.



*Corn crop near Hallsville, July 2012*

*Photo by Rex Ricketts*