



Supplement of

Impacts of compound hot–dry extremes on US soybean yields

Raed Hamed et al.

Correspondence to: Raed Hamed (raed.hamed@vu.nl)

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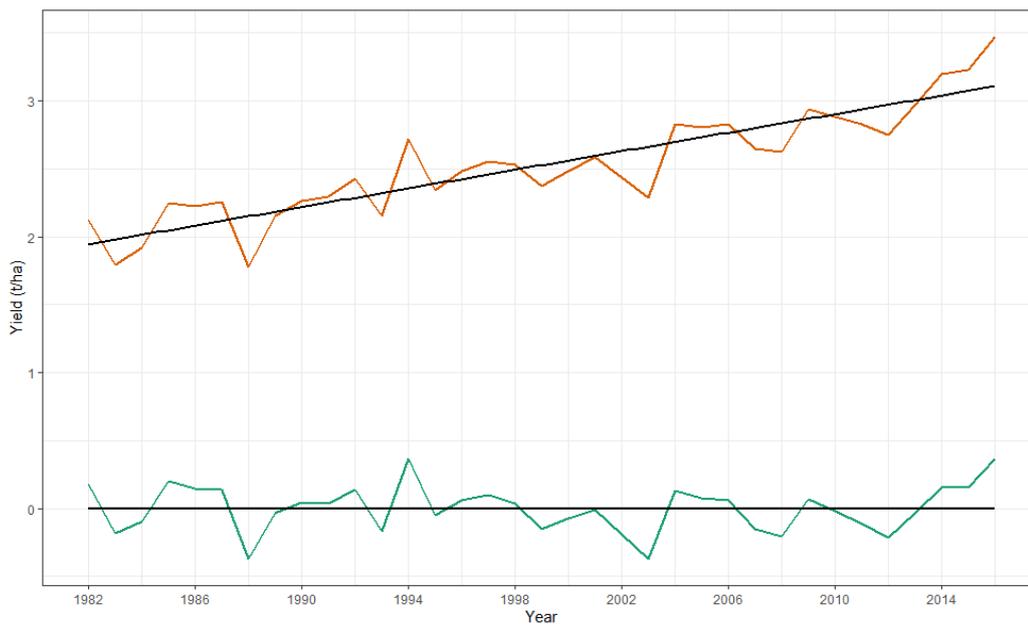
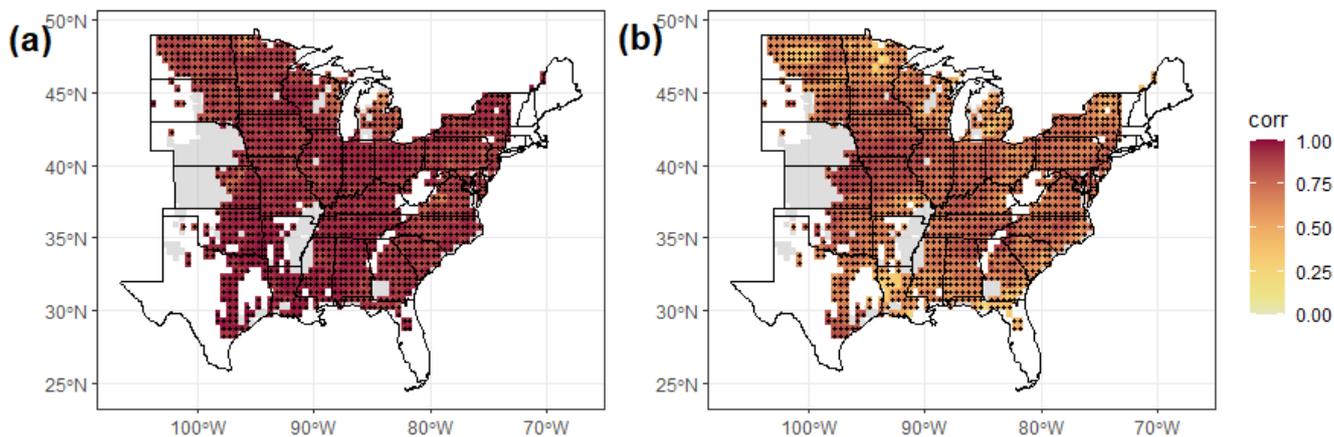


Figure S 1. Raw averaged county-level yields (in orange) and linearly de-trended averaged county-level yields (in green).



5 Figure S 2. Correlation plot between CRU number of wet days and WFDE5 number of days with precipitation above 20mm over the study period (1982-2016). (b) Correlation plot between CRU JJAS precipitation average and GLEAM August-September average root zone soil moisture over the period of study (1982-2016). Stippling indicates statistical significance at the 95% confidence level.

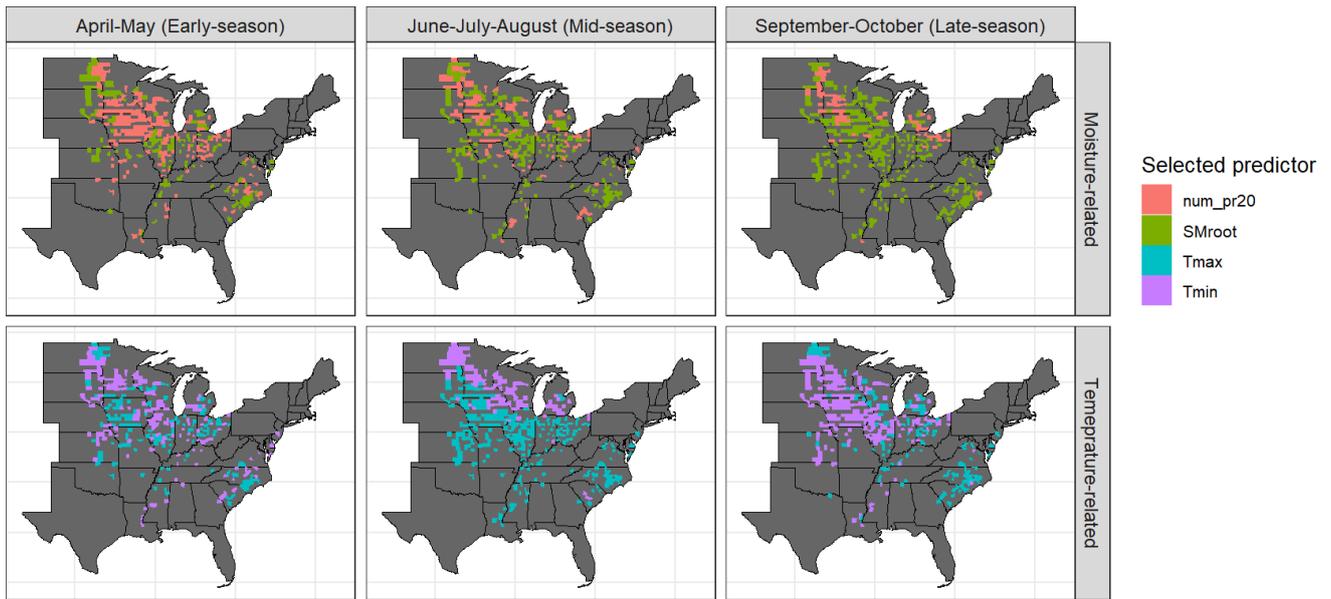
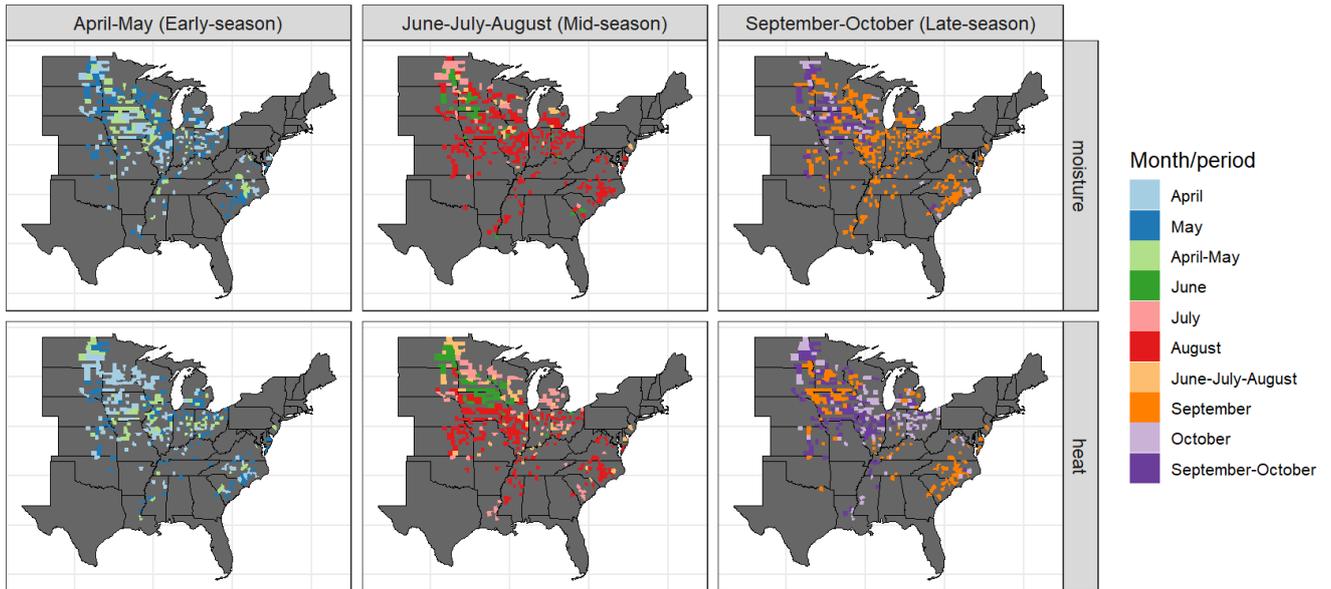


Figure S 3. Most frequently selected predictors via LOOCV-2.



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Figure S 4. Most frequently selected timing via LOOCV-2.

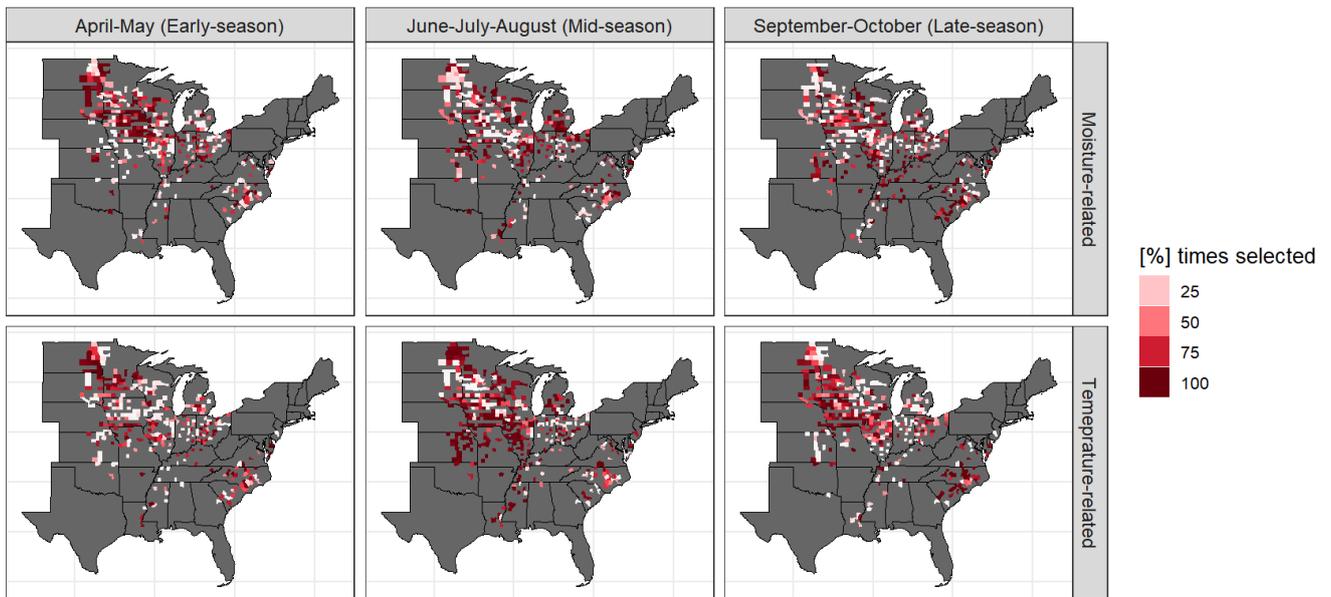


Figure S 5. Frequency of the most selected predictor and timing via LOOCV-2.