Figure S1. Spatial covariance timeseries based on highlighted SST correlation pattern for SESA and CB regions.

Figure S2. Correlation maps for same-season JFM ENSO 3.4 index against austral summer SST (JFM), soil moisture (JFM) and yield anomaly in CB and SESA.

Figure S3. PDO index (dataset source: Huang et al., 2017) averaged over JAS and NP pattern averaged over JAS. Correlation between the two time-series is statistically significant.
Figure S4. Correlation maps for same-season JAS ENSO 3.4 index against boreal summer SST (JAS), soil moisture (JAS) and yield anomaly in the US.

References