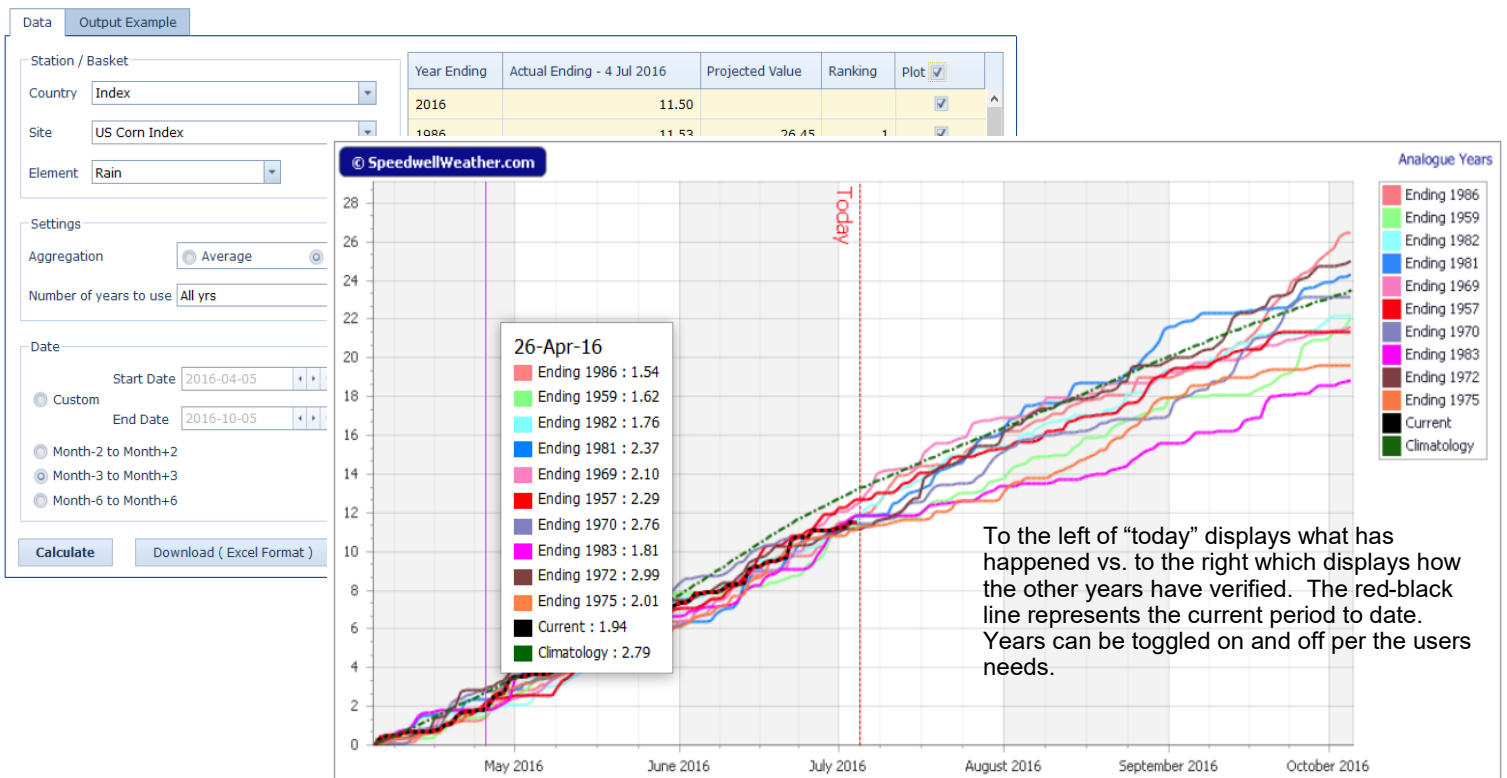




# Analogue Years Tool

A popular approach to mid / long range weather forecasting is an analogue year analysis. The theory behind this technique is that weather can be driven by long-term high-inertia oceanic oscillators such as El Nino, NAO which tend to drive a similar pattern of weather outcomes in certain areas and for certain variables. By reviewing the historical record one can find similar situations in the past. If a pattern match is detected then it can be used as a predictor for future weather

The Speedwell Analogue Years Tool allows a user to view the evolution of a weather variable such as cumulative rainfall in the current year relative to the same period in historic years. The subsequent course of those historic years may give an insight to how the current year will evolve. A user selects either an individual site or basket index, chooses the weather element and look-back period and the software ranks the most similar past periods to the current one. Each historic period can then be viewed looking 2, 3 or 6 months ahead.



- Using a simple ranking system all historic years are presented in order of similarity to the current.
- By plotting all years of available data a user can visually review the quality of the pattern match.
- Users can toggle selected years on and off in order to study years of interest.
- 10 year climatology is plotted as a reference point for all indices
- Select for a range of weather elements and choose your method of aggregation
- Analyze 2, 3 and 6 month periods or customize the date period according to your analysis requirements
- Download the data into Excel at the click of a button to conduct further analysis at a more granular level
- Ability to create custom indices (additional cost)

The Analogue Years Tool is provided as part of the Speedwell suite of web tools and is available for trial by completing the form found at <http://www.speedwellweather.com/freetrial/>

If you have an interest in acquiring this tool for your business, please address your inquiry to [Sales@speedwellweather.com](mailto:Sales@speedwellweather.com).