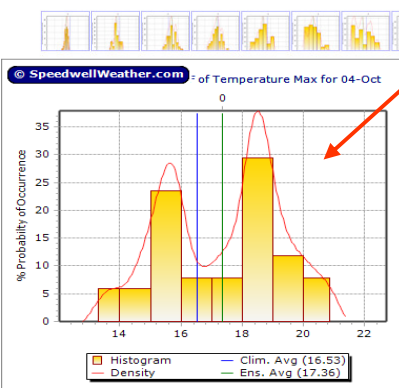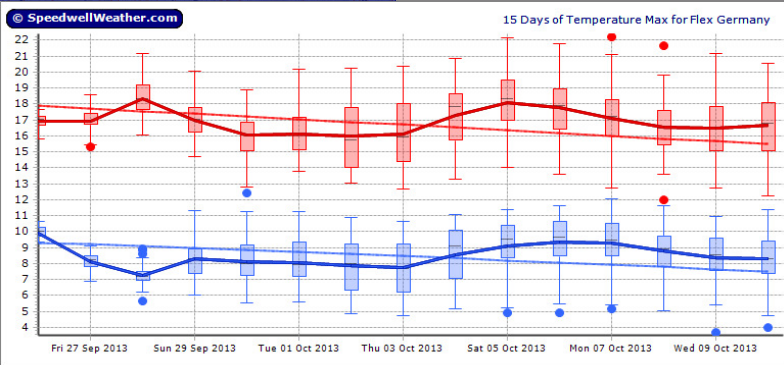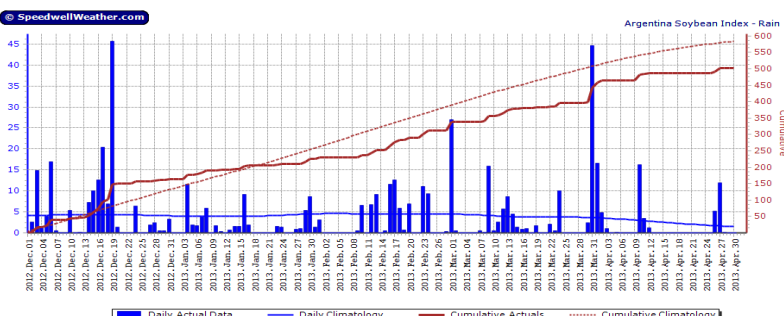# Speedwell Population Weighted Indexes: FlexIndex

Speedwell Weather provides probabilistic forecasts and historic time series based on **weighted baskets** of weather reference sites. We call these FlexIndexes. While a range of over 50 standard FlexIndex products are available off-the-shelf, these may also be defined by the client. FlexIndex forecasts are available for 15 days and monthly time periods based on ECMWF and GFS models

Example: Germany FlexIndex Product - population weighted

Station	Weight %
BERLIN TEMPELHOF	7
BREMEN	1
DRESDEN KLOTZSCHE	5
DUESSELDORF	22
ERFURT BINDERSLEBEN	3
FRANKFURT FLUGHAFEN	12
HAMBURG FUHLSBUETTEL	2
HANNOVER	10
MAGDEBURG	3
Marnitz	2
MUNICH FLUGHAFEN	8.7
SAARBRUECKEN ENSHEIM	1
SCHLESWIG	3
STUTTGART ECHTERDINGEN	13
Nuernberg	6.3

15 Days of Temperature Max for Flex Germany

The Box Plot shows the average of all ensembles, a box covering the mid quartiles, outliers and the smoothed 10-year climate average of the basket. The probability distribution graph of the individual ensemble members is also available.

Using the Actuals vs. climatology tool to view cumulative rainfall vs. climate normals in the Argentina soybean growing area:

Argentina Soybean Index - Rain

What is Available?

We offer over 60 population-weighted FlexIndexes around the world. These are used as a predictor for domestic energy demand. This is used by traders and modellers who want a single probabilistic basket forecast to assist in their regional power and gas trading or power demand modelling.

FlexIndex on-request

We can create "private" FlexIndexes on request using your personal choice of sites and weights. These are then only available to you. FlexIndexes can be generated for a range of daily and hourly elements including HDD, CDD and GDD for agri baskets.

What is Provided?

The following are available as data feeds:
- Cleaned historical data of the basket
- Ongoing cleaned data feeds of the basket
- Probabilistic 15-day Forecasts (all members) based on the ECMWF and GFS models
- Smoothed climatologies
- Forecast Verification

The data and the forecasts can also be viewed on our website in graphical and in tabular form.

Other Weighted Baskets

We offer over 150 FlexIndexes for specific worldwide crop growing areas e.g. coffee, cocoa, wheat, sugar, rice, tobacco, corn, soybean, cotton and many more—with the list growing. We also provide FlexIndexes for hydro catchment areas.

European Population-Weighted FlexIndexes

World Agri-FlexIndexes