

TF Base Map

The **TF Base Map** shows statistically significant, persistent patterns of relative biomass. The satellite-based **TF Base Map** is calculated from multi-year satellite data to exclude influences of current weather conditions and different crop types.

Validation of the TF Base Map:

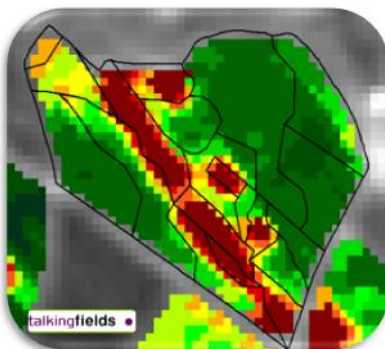
The quality of this product has been proven by several validations. Validation of our measurement methods has been done via direct comparison with other widely recognized methods like e.g. the German Reichsbodenschätzung, EM38 electrical conductivity measurements or yield maps from combine harvesters.

The satellite-based TF Base Map:

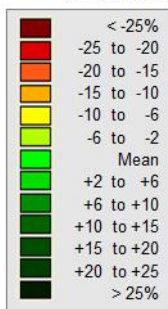
- shows different site-qualities.
- can be used as information source for the creation of application maps.
- serves for site-mapping, also in combination with other methods.
- allows large-scale analyses at a budget price.

On the image below you see on the left side the calculated persistent relative fertility, the satellite-based **TF Base Map**. The next two images show the results of the farm soil map and the EM38 electrical conductivity measurements. The patterns calculated by our considerably cheaper method widely match the two other measurement methods, without having to buy extensive data sets or having to conduct own measurements on the fields.

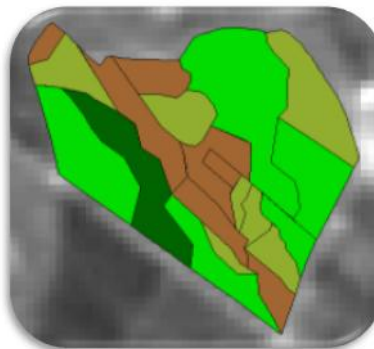
Validation of the TF Base Map:



TF Base Map (superposed with contours of farm soil map)



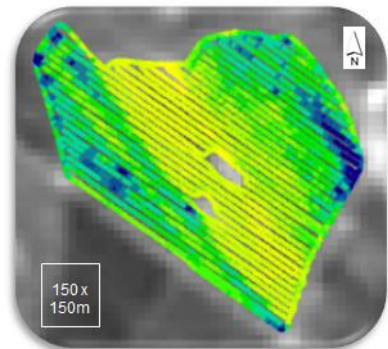
Persistent relative biomass in %



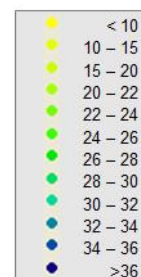
Farm Soil Map



Soil fertility:
1 = High fertility
4 = Low fertility



Electrical Conductivity (EM 38)



µSiemens/cm

Currently, we offer the processing of data for fields with a size of 2 ha and above. The minimum order size is 200 ha. In case you order less, the price for 200 ha will be charged. The surcharge can be reimbursed with later orders.

Should processing of parts of this area not be possible, then these areas will not be taken into account in the cost calculation.

Thus, you will only pay for the areas for which we can deliver our products.

For 5 €/ha you get the following products if you order the service:

Product name	Description	Price in €/ha (only analyzed data)	Unit	Output format
TF Base Map	Shows the persistent relative fertility	5 € excl. VAT	%	TF-XML, Point-Shape-Files

The delivery of the TF Base Map includes:

- **TF Base Map** showing the persistent relative fertility.
- Spatial resolution in a fixed raster cell size of 20 x 20m.
- Delivery in an Agrar Office-compatible format or as point-shape file which can be read by the most prevalent agricultural software packages which include GIS functionality.

Upon receipt of an order we require the boundaries of the ordered fields **as well as** of the environmental protection zones, preferably in TF-XML- format.

Please also note our attractive package deal:
TF Base Map & TF Zone Map for only 6€/ha excl. VAT!

Additionally, we can of course offer you the agricultural software with which you can import this data and further process it to e.g. application maps. Information on this can be found here:

www.eurosoft.de

If you like our offer or have additional questions about our product, we would be pleased to take some time to get in touch with you personally! Please use our email address info@talkingfields.de or our phone number +49 89 28 77 95 24 to contact us.

Additional information can be found at www.talkingfields.de