

Sick of experiments?

Does this sound familiar to you?

- Excessive experimentation,
- poor test records,
- redundant tests, and
- test results that defy interpretation?

Our solution: STAVEX 5.2

STAVEX is a user-friendly PC-based software system enabling **experimenters** in research and development to apply **statistical design** and analysis of experiments in their routine work independently of a statistician. STAVEX studies the relationship of specified **factors** and **responses**. The ultimate goal is to find the **optimal settings** of all factors actually influencing the responses.

STAVEX allows for **process factors** (temperature, concentration, ...) as well as for **mixture factors** (mixture components for galenics, adhesive formulations, ...) which have to fulfill a summing-up condition typical for formulations. STAVEX also supports the **combination of responses** in the form of a cost function assigning weights to the responses or a desirability function combining individual specification intervals. This way trade-offs between the responses can be studied.

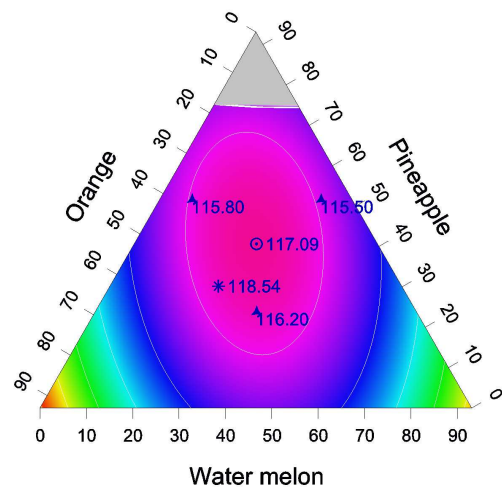
STAVEX supports **sequential planning**. It integrates statistical experimental design, statistical evaluation of results, and guidance to follow-up designs, i.e. the whole process of experimentation. STAVEX typically runs through three stages of statistical experimental design:

- **screening** using linear models for factor reduction,
- **modelling** for further factor reduction using linear models with interactions, and
- **optimization** for determining the optimal levels of the remaining factors.

The major strengths of STAVEX are its **user friendliness** and its **flexibility**. The software is developed and maintained in close collaboration with engineers and scientists. It is supported and distributed by AICOS Technologies Ltd., a spin-off from Ciba-Geigy and its successor Novartis. The software is used in more than 200 companies of various sectors.

Technical Properties

- runs on PCs with at least 1 GB RAM under Windows Vista, 7, 8 or 10 (32bit or 64bit);
- network compatible;
- online documentation (HTML or Internet format), printed documentation;
- English, German, French and Spanish versions available.



A product optimization with mixture factors

A test installation for a one-month period can be downloaded free of charge so that the usefulness of STAVEX can be tested in one's own environment. Training sessions (2 or 4 days), as well as consulting services, are also proposed.

For more information

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STAVEX.

We bring experimentation to a fine art.