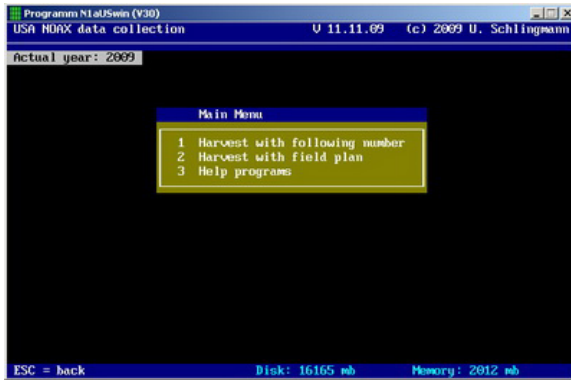


Some program details

The program is written in Borland Delphi and running in as DOS emulation mode. This has the advantage that it can be used nearly without a mouse. The preferred Nox industry computer has a touch screen. So the program can be operated using the keyboard, the touch screen or a mouse



The program has easy understandable menus.



The program can be easily customised with parameters.



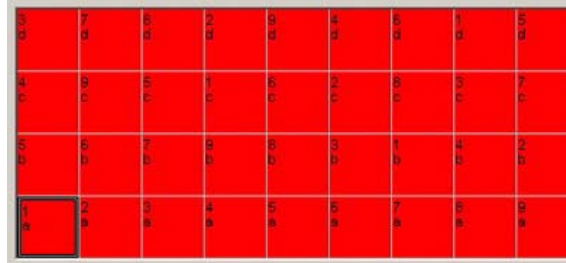
The graphical field plan

A very useful tool is the field plan. The field plan can contain a lot of trials (each with a different colour) including guard plots and path ways or only one trial.

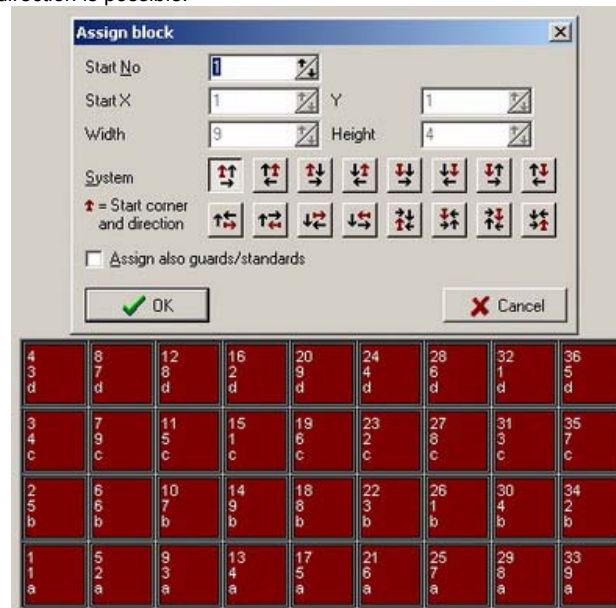
example with 12 trials



Example with one trial



The field plan is the key during harvesting. Using a harvest number the computer knows the way how the plots are harvested. Every direction is possible.

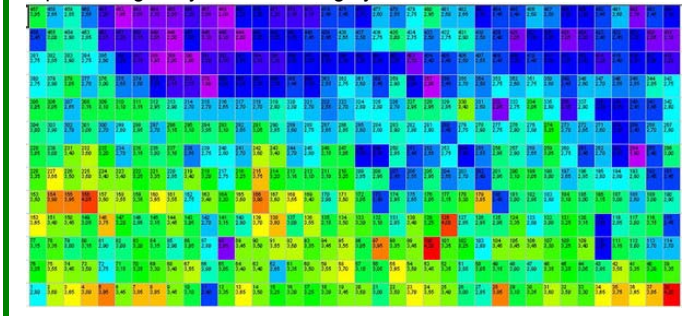


The graphical field plan

Also the yield is appearing in the field plan, and the position of the combine is shown.



It is possible, to get an output where the values are shown in different colours to examine changes in the soil. In this example is blue representing low yield and red high yield.



Zürn 150 plot combine with harvest system



Some units of the harvest system

The harvest system consists of several units like power supply, record printer and label printer which can be used in connection with the harvest program.



The power supply is important for save and uninterrupted power for all electronic units.



The Zebra label printer can print labels with and without barcodes.

The record printer is an additional security for the data.

The Liebherr moisture sensor can be used to examine the moisture. It is placed under the balance.



The Polytec NIRS can also be integrated.



Zürn – MDW plot combine with harvest system



ZÜRN Plot Combine with “Schlingmann” harvest system

History

The “Schlingmann” harvest system was developed 1999 from Ulrich Schlingmann, a plant breeding technician. The first year the program was running on Allegro field PC's, now it is running on commercial computers from Windows 98 on up to Windows Vista.

The system is established in Germany, England, Denmark, France, Polen, Canada and Australia.

It was the first program which used a graphical field plan for orientation.

The harvest program

Some program features

- running on standard computers – easy maintaining
- easy understandable
- available in English, German und French (Danish and Polish in preparation)
- customised data handling
Excel or ASCII-file in- and output possible
- useable for all harvest machines (combines, corn harvesters, grass harvesters, potato harvester and self made harvesters)
- moisture measuring with Liebherr sensor possible
- NIR-Systems integration possible (for example Zeiss, Polytec and John Deere)
- graphical field plan design
- label printing possible (with barcode)
- record printing possible
- volume measuring (hl) possible
- different balance types are integrated
- additional data saving in USB device possible
- data saving with date and time in a check file
- scoring during harvesting possible

One of the main advantages of the program is the individualisation to the special user needs. Nearly every user has different formats where the data is coming from, how the output of the results should be or how a label should look like. It is often a lot of work to get the data from an existing calculation program into the combine harvest program and later the results back into the calculation program. This program can be adapted to the calculation program so that it is much easier to transfer the data.



Zürn GmbH & Co. KG
Kapellenstrasse 1
D-74214 Schöntal
Germany
Tel. +49-7943-9105-0
Fax +49-7943-9105-33
E-Mail info@zuern.de
Web <http://www.zuern.de>

Ulrich Schlingmann
Herderstrasse 17
D-32756 Detmold
Germany
Mobile +49-170-9959400
Fax +49-5231-38726
E-Mail mail@schlingmann.us
Web <http://www.schlingmann.us>