

# User Manual



State of development: October 2009  
Manual version: 27.10.2009

HELM-Software  
Adam-Herdts Strasse 23  
68526 Ladenburg  
[www.helm-software.de](http://www.helm-software.de)

## Index

|   |           |
|---|-----------|
| <b>Index .....</b>  | <b>2</b>  |
| <b>Introduction .....</b>   | <b>4</b>  |
| Hardware requirement.....   | 4         |
| First Steps .....   | 4         |
| <b>General .....</b>  | <b>5</b>  |
| <b>Working with Myfarm24 .....</b>                                | <b>6</b>  |
| Login.....  | 6         |
| Fields.....   | 6         |
| (1) Create new field .....  | 6         |
| (2) Edit field data .....   | 7         |
| (3) Fertilizer requirement calculation .....                      | 7         |
| (4) Collective modification .....                                 | 9         |
| (5) Field exchange .....  | 9         |
| (6) Divide field .....  | 10        |
| (7) Reproduction .....  | 11        |
| (8) Delete/Copy fields.....                                       | 11        |
| (9) Map.....  | 11        |
| Master data .....   | 12        |
| (1) Cultivars/Seeds.....  | 12        |
| (2) Fertilizer .....  | 13        |
| (3) Persons.....  | 13        |
| (4) Prices.....   | 13        |
| Working processes .....   | 14        |
| Journal.....  | 15        |
| (1) Book entry.....   | 15        |
| (2) Cancel/delete book entry .....                                | 15        |
| (3) Enter plant protection-application .....                      | 16        |
| (4) Enter harvest .....   | 16        |
| <b>Stock book .....</b>   | <b>18</b> |
| (1) Store overview .....  | 18        |
| (2) Store maintenance.....  | 18        |
| (3) Harvest storage .....   | 18        |
| (4) Additional purchase, rearrangement, removal from storage..... | 19        |
| (5) Agricultural supplies.....                                    | 19        |
| (6) Stock book excerpt .....                                      | 19        |
| <b>Planning/ Orders .....</b>                                     | <b>19</b> |
| <b>DosiMap.....</b>   | <b>20</b> |
| (1) Create new acreage .....                                      | 20        |
| (2) Change area size or value.....                                | 20        |
| (3) Calculate saving effect.....                                  | 20        |
| (4) Save and name.....  | 20        |
| (5) Transfer DosiMap maps to Pocket PC .....                      | 21        |
| (6) Use DosiMap on the Pocket .....                               | 21        |
| (7) Application range .....                                       | 21        |

|  |           |
|--|-----------|
| <b>Index</b>                                   | <b>3</b>  |
| <b>Cross Compliance</b> .....                  | <b>22</b> |
| Humus balance .....                            | 22        |
| Nutrient comparison .....                      | 23        |
| <b>Operating Data</b> .....                    | <b>25</b> |
| (1) Change access data .....                   | 25        |
| (2) Places of operation .....                  | 25        |
| (3) Guest access .....                         | 25        |
| (4) Advisor access .....                       | 25        |
| <b>Reports</b> .....                           | <b>26</b> |
| (1) Cultivation overview .....                 | 26        |
| (2) Extract from journal .....                 | 26        |
| (3) Field record system card .....             | 26        |
| (4) Plan of agricultural supplies .....        | 26        |
| (5) Consumption of agricultural supplies ..... | 26        |
| (6) Internal field comparison .....            | 26        |
| (7) Economical evaluation .....                | 26        |
| <b>Extras</b> .....                            | <b>27</b> |
| Settings .....                                 | 27        |
| Service .....                                  | 27        |
| Supply level compensation .....                | 27        |
| Myfarm 24 Pocket .....                         | 28        |
| (1) Installation on the Pocket PC .....        | 28        |
| (2) Data exchange .....                        | 28        |
| <b>Copyright</b> .....                         | <b>29</b> |

## Introduction

By using this Myfarm24 Field Record System you chose an easy, save and reasonable way to manage your crop production.

Whether documentation, cultivation or resource scheduling, you can manage everything professionally, with few input and from every internet access.

There is no need to install a software on your computer and you always work with the latest version. Myfarm24 contains all important master data, e.g. all permitted plant protection.

Myfarm24 is an independent offer of HELM-Software. Your data will be saved in a datacenter on a HELM server. It will not be passed on.

## Hardware requirement











Myfarm24 is an internet based field record system, you only need an internet access and a valid e-mail address. The program can be used from any internet access. Following browsers are applicable: Internet Explorer, Firefox, Opera.

## First Steps

1. Read the manual.
2. Create several fields. For the moment will suffice fieldname, field number and crop.
3. Create under master data several cultivars.
4. Adapt the working processes to your farm.
5. Update under "Operating data" the data of your farm and create if necessary places of operation.

## General

The following symbols might occur while working with the program:

-  Edit
-  Delete
-  Disable
-  Enable
-  Copy
-  Rename
-  Details
-  Field position provided
-  No field position provided
-  Link to the cultivar information of the “Bundessortenamtes” or to the “Pflanzenschutz-Information” of the BVL

## Working with Myfarm24

Open your internet browser and go to: [www.myfarm24.de](http://www.myfarm24.de).

### Login

Enter your e-mail address and your password and click on „login“.

PLEASE NOTE: Case sensitivity!

When you **forgot your password** click on: „forgotten?“ and enter your e-mail address, which is registered on Myfarm24. Your password will be send to this e-mail address.

With the **DEMO field record system** you can test every function of the program. Your activity will not be saved.

### Fields

Select **“Fields”** on the green menu bar. Now you are in the field administration and you have an overview of your fields.

First select the **crop year** you would like to work with.

You can screen for **places of operation** (if created) and crops to structure the fields. Click on the table heading, e.g. “crop” to sort by it.

#### (1) Create new field

Click on **“New field”**. Fill in the fieldname, field number and the acreage in ha. Select your crops and cultivars with the drop-down arrow.

The program comprises all known **crops**. Vegetables, fruits, medical- and spice plants you can select under **“Use”**.

To select **cultivars**, you need to create them first under “Master data”, “Cultivar/Seed”.

**PLEASE NOTE:** If you entry a crop/seed with a sowing in the journal at the same time, it will be transferred automatically to your field chart.

Upon completion, click on **“Save”**.

## (2) Edit field data

Click on the **field name** to edit the field. In the field administration are five categories to select:

- **Basic data:** Enter field information like crop, cultivar, field size in ha, soil type etc. here.
- **Sowing/Harvest:** Here you can record all information concerning Sowing and harvest.
- **Nutrient Balance:** Here you can note sample results and income categories of the field. This data will be taken into account at the calculation of the fertilizer requirement.
- **Fertilizer requirement calculation:** This calculation helps to ascertain the individual nutritional requirement of the field. See point (3).
- **Access authorization:** Here you can manage your field applied guest- and advisor accesses. (You can create these accesses under "Operating data".)

## (3) Fertilizer requirement calculation

### 1. Step: Ascertain requirement

Precondition of the requirement ascertainment is a crop and a **yield target**, which need to be entered for every field under "Sowing/Harvest".

Following facts are taken into account:

- Removal (based on crop and yield target)
- Already fertilized nutrients
- Soil care level P and K (only care level A,B,D,E)
- Nmin- data
- Preceding crop- and harvest removal
- Intercrop cultivation

| Requirement                    | Comment                                    | N          | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | MgO         | S        |                                   |
|--------------------------------|--|------------|-------------------------------|------------------|-------------|----------|-----------------------------------|
| Nutrient removal               | Winter wheat 80 dt/ha                      | 177        | 83                            | 138              | 28,8        | 0        |                                   |
| Already manured                | Disregard                                  | 0          | 0                             | 0                | 0           | 0        | <input type="checkbox"/> Consider |
| Supply level compensation      | P205='C' K20='D' Stand 06.04.2008          | -          | 0                             | -69              | -           | -        |                                   |
| Nmin                           |  | 0          | -                             | -                | -           | -        |                                   |
| Preceding crop + Crop residues | VF Winter rape, ER (Stroh) nicht abgeräumt | 10         | -                             | -                | -           | -        |                                   |
| Intercrop                      | ZF Ackerbohnen abgeräumt                   | -20        | -                             | -                | -           | -        |                                   |
| Correction                     |  | -20        | 0                             | 20               | 0           | 0        |                                   |
| <b>Fertilizer requirement</b>  | <b>kg/ha</b>                               | <b>147</b> | <b>83</b>                     | <b>89</b>        | <b>28,8</b> | <b>0</b> | <b>Update</b>                     |

To consider **already fertilized nutrients** from the Journal, click on "**Consider**" and "**Update**".

Under **Correction** you can adjust individually the requirement for every field.

**PLEASE NOTE:** In case you selected **EUF-Analysis** in the Field administration under Nutrient balance no requirement calculation will take place. Enter your data of your analysis in "Correction".

## 2. Step: Fertilizing plan

Here starts the field based fertilizer calculation.

| Fertilizer plan   |                          |                                   |      |                                     |               |            |                               |                  |             |          |
|---|--------------------------|-----------------------------------|------|-------------------------------------|---------------|------------|-------------------------------|------------------|-------------|----------|
| Working process Fertilizer: <span style="border: 1px solid black; padding: 2px;">Düngerplanung</span> <span style="margin-left: 10px;">Calculate</span>   <span style="margin-left: 10px;">Remove plan</span> |                          |                                   |      |                                     |               |            |                               |                  |             |          |
| X   | Product                  | Quantity/ha                       | Unit | Fix                                 | Cost/ha       | N          | P <sub>2</sub> O <sub>5</sub> | K <sub>2</sub> O | MgO         | S        |
| <input checked="" type="checkbox"/>   | Magnesiummischkalk 25/35 | <input type="text" value="1,2"/>  | dt   | <input checked="" type="checkbox"/> | 25,2          | -          | -                             | -                | 30          | -        |
| <input checked="" type="checkbox"/>   | Kalkammonsalpeter 27     | <input type="text" value="5,5"/>  | dt   | <input checked="" type="checkbox"/> | 165           | 149        | -                             | -                | -           | -        |
| <input type="checkbox"/>  | NPK 13/10/18             | <input type="text" value="0"/>    | dt   | <input type="checkbox"/>            | 0             | 0          | 0                             | 0                | -           | -        |
| <input checked="" type="checkbox"/>   | Kali 50er grob           | <input type="text" value="1,78"/> | dt   | <input type="checkbox"/>            | 74,76         | -          | -                             | 89               | -           | -        |
| <input checked="" type="checkbox"/>   | P 40                     | <input type="text" value="2"/>    | dt   | <input checked="" type="checkbox"/> | 64            | -          | 80                            | -                | -           | -        |
| <b>Fertilization / ha</b>   |                          |                                   |      |                                     | <b>328,96</b> | <b>149</b> | <b>80</b>                     | <b>89</b>        | <b>30</b>   | <b>0</b> |
| <b>Requirement / ha</b>   |                          |                                   |      |                                     |               | <b>147</b> | <b>83</b>                     | <b>89</b>        | <b>28,8</b> | <b>0</b> |
| <b>Balance</b>  |                          |                                   |      |                                     |               | <b>2</b>   | <b>-3</b>                     |                  | <b>1</b>    |          |

First select the **Working Process**, e.g. fertilize. All working processes on which is deposited at least one fertilizer are available.

It is advisable to deposit several fertilizers in the working process.

**PLEASE NOTE:** Tick in the column **Fix** for fertilizers, which should be yield at any rate. These will be considered first.

On "**Calculate**" will be calculated the possibility to cover the requirement optimally. Only fertilizers which are ticked in **X** will be considered.

If there already exists a plan for the field, the working process will appear in **read**.

To create a new plan, click on "**Remove plan**". All fertilizers of the working process will be selected automatically in **X**. Then click on calculate.

Click on "**Output data**" to print the data.

#### (4) Collective modification

With this function you can edit several fields at a time.

**Collective Modification 1. Step ( Harvest year 2010 )**

Select fields:

| All                                 | Field        | Nr. | Crop                    | Cultivar | Preceding crop          | Acreage [ha] |
|-------------------------------------|--------------|-----|-------------------------|----------|-------------------------|--------------|
| <input type="checkbox"/>            | Eichacker    | 1   | Winter wheat            | Jenga    | Winter rape             | 2,45         |
| <input checked="" type="checkbox"/> | Hintere Burg | 2   | Winter rape             | NK-Fair  | Winter wheat            | 2,15         |
| <input type="checkbox"/>            | Hoffeld      | 8   | Summer barley           | Auriga   | Sugar beets             | 1,9          |
| <input checked="" type="checkbox"/> | Krempeler    | 3   | Winter rape             | NK-Fair  | Winter wheat            | 5,14         |
| <input type="checkbox"/>            | Maifeld      | 9   | Winter barley           | Lomerit  | Potato (early)          | 7,26         |
| <input type="checkbox"/>            | Randacker    | 7   | Sugar beets             | Belinda  | Winter wheat            | 4,1          |
| <input type="checkbox"/>            | Rieder Wiese | 10  | Grassland 3 utilization |          | Grassland 3 utilization | 3,25         |
| <input type="checkbox"/>            | Sonnenfeld   | 6   | Potato (early)          | Agria    | Winter wheat            | 2,7          |
| <input type="checkbox"/>            | Stockacker   | 4   | Summer barley           | Auriga   | Sugar beets             | 3,7          |
| <input type="checkbox"/>            | Waldeck      | 5   | Winter wheat            | Jenga    | Winter rape             | 4,8          |

Requested change

Cultivar

[Next](#) | [Cancel](#)

Click on “**Collective Modification**” and select in the **1. Step** all fields which shall be changed, as well as the category that shall be changed. Click on “**Next**”.

In the **2. Step** change the product. Finish the collective modification by clicking on “**Save**”.

#### (5) Field exchange

You can exchange fields with other users of Myfarm24.

Condition:

- Exchange only between two Myfarm24-Field Record Systems
- Not within one farm
- Only if the field also exists in the preceding year (if so create it)
- Only for the whole harvest year
- Only for the whole field (no parcels or farm saved seed).

Best you exchange the field as soon as it was created in the new harvest year. Journal entries will be transferred also.

##### 1. Step

To transfer fields, you need a permit of the recipient. This happens by an Exchange-PIN.

|              |                                      |
|--------------|--------------------------------------|
| Exchange-PIN | <input type="text" value="1234567"/> |
|--------------|--------------------------------------|

The recipient enters the PIN under “**Operating data/User data**”. After the exchange he can delete or change the PIN to block further transmissions.

Furthermore you need the **e-mail address** of the **recipient**, with which he is registered at Myfarm24.

## 2. Step

- Select **Fields/Collective Modification**.
- Select the fields you want to exchange.
- Select under “Requested change“, **“Field exchange”**.
- Click on **“Next”**.
- Now enter the e-mail address and the PIN.
- Click on **“Save”**.
- Now the fields appear on the farm of your exchange partner.

**Collective Modification 2. Step ( Harvest year 2010 )**

**Chosen fields:**  
 Nr. 10: Rieder Wiese (3,25 ha Grassland 3 utilization)  
 Nr. 4: Stockacker (3,7 ha Summer barley)  
 Nr. 5: Waldeck (4,8 ha Winter wheat)

**transfer the fields to:**

email - adress

Tausch-PIN

[Save](#) | [Back](#)

## (6) Divide field

- Click on the field you want to split, then click on **“Divide field”** under Basic data.
- Set in **how many parts** the field shall be divided.
- Enter the **area sizes** of the subareas.
- The parcels are marked with **(1), (2)**.
- You can change the name at any time.
- Upon completion, click on **“Save”**.

**Divide field**

**Eichacker - This field will be divided in 2 Shared fields.**  
 An other number of shared fields can be choosen here:

**The sum of all new shared fields must be smaller then 5,3 ha.**

Parcel 1 (primary field)

Field name:

Crop:

Cultivar:

Parcel 2

Acreage:  ha

Field name:

Crop:

Cultivar:

[Save](#) | [Back](#)

**PLEASE NOTE:** By the creation of the next harvest year you have the possibility to re-unite the divided field.


### (7) Reproduction


Click on the field you want to reproduce. Under Basic data click on “**New parcel/ Farm saved seed**”.

Select the **cultivar**. Only cultivars which have been created under Master data are available.

Upon completion, click on “**Save**”.

### (8) Delete/Copy fields

To **delete** a field click on  in the field overview. The field will be deleted only in the selected harvest year.

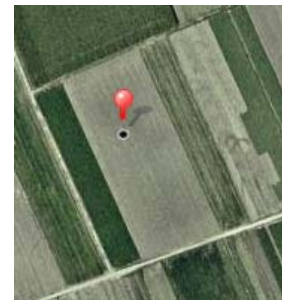
You can accelerate the initial plant by **copying** fields. Create one field with all requested information. Copy it by clicking on . Now you simply need to adjust name and acreage.

### (9) Map

With the help of the Map Function you can mark your field position on a Google Map.

To create a geoposition, click on the **grey map- symbol**. Find your field on the map and double-click with the left mouse button. The red pin shows your field.

Upon completion, click on “**Save**”.



No geoposition for this field yet



Geoposition set

## Master data

Select in the green menu bar “**Master data**”. Here you can create in-house products like, cultivars, fertilizers, persons and enter prices for used products.

### (1) Cultivars/Seeds

To create a new cultivar click on „**Create new cultivar**“.

Own Master Data

Cultivars / Seeds Fertilizer Persons Price Show:  All  Active

Crop Winter rape

Step of seed certified

Seed Unit kg

Title (enter) Amber/EU

Charge/Number D/FS 767 981 12

Select with the dropdown menu crop, step of seed, seed unit and cultivar.

Upon completion, click on “**Save**”.

**HINT:** Enter the Charge/Number with every book entry in the journal, otherwise you need to enter a new cultivar for every new charge in the master data.

**Exception:** Sowing e.g. of corn in thousand grains per ha.

For the sowing of corn, turnips, sunflowers etc. you can select apart from unit also “TG” = thousand grains.

So you can enter your seed in TG/ ha in the journal. Prices will be calculated in “**Unit**”.

Select under “master data”, “Cultivars/Seeds” the seed unit “TG”. Then you can enter **how many thousand grains one unit contains**.

**PLEASE NOTE:** “-thousand” is already provided, so you need to enter for 50.000 just 50.

Own Master Data

Cultivars / Seeds Fertilizer Persons Price Show:  All  Active

Crop Grain maize

Step of seed certified

Seed Unit TG

Thousand grains / Unit 50 000 / Unit

Title (enter) Nathan

Charge/Number

Dress info

Save | Cancel

Upon completion, click on “**Save**”.

Enter with the working process or in the journal how many **thousand grains** are sowed per ha.

### New journal entry - 2. Step

Aussaat Mais (**change**) - 1 Field (5,3 ha)

| Category   | Title  | Total Quantity                            |
|--|--|---|
| <input checked="" type="checkbox"/> Person         | Max Mustermann                               | <input checked="" type="checkbox"/> 5,3 h |
| <input checked="" type="checkbox"/> Work           | Saat, Einzelkornsaat, Kreiselegge, Schlepper |   |
| <input checked="" type="checkbox"/> Seed certified | Tassilo, Grain maize                         | <input type="checkbox"/> 85 TG            |

### (2) Fertilizer

Click on “**Create new fertilizer**”. Select the fertilizer type e.g. liquid manure and the quantity unit.

Denominate you fertilizer to find it again easily.

Enter the ingredients into the scheduled field.

Upon completion, click on “**Save**”.

### (3) Persons

Click on “**Create a new person**”. Enter always first name and last name.

Upon completion, click on “**Save**”.

**Own Master Data**

Cultivars / Seeds Fertilizer **Persons** Price Show:  All  Active

type

name

**Save** Cancel

### (4) Prices

You can enter the prices for every harvest year. First select the harvest year and then the category for which you want to enter a price.

**Condition:** The product has to be recorded in a working process.

In the category “Work” are already standard costs suggested.

## Working processes

Working processes are the basis for entering information in the journal with the help of the booking assistant. Under **Operation** are already some processes from the Demo mode provided. Adjust them to your farm or create new ones. Delete processed which are not required.

Create **new working process** using the example of fungicide treatment:

Click on “**New working process**” and enter the name, e.g. PS Fungicide crop and click on “**Save**”.

Select the details you process should contain.

Example:

| PS Fungizid Getreide |                             |             |   |                | List   < > |
|----------------------|-----------------------------|-------------|---|----------------|------------|
| Category             | Title                       | Quantity    | Comment / indication                        | Waiting period |            |
| Person               | Betriebs-AK 1               | 1 h / ha    | Anwender:                                   |                |            |
| Work                 | PS, Anbauspritze, Schlepper |             |   |                |            |
| General/harvest      | Wasser/Spritzbrühe          | 300 l / ha  |   |                |            |
| Fungicide            | Champion                    | 1,5 l / ha  | Zwergrost                                   | F              |            |
| Fungicide            | Juwel Top                   | 1 l / ha    | Braunrost                                   | 35 days        |            |
| Fungicide            | Opera                       | 1,75 l / ha | Blatt- und Spelzenbräune (Septoria nodorum) | 35 days        |            |

**Add new detail (product):**

[Person](#) | [Work](#) | [Fertilizer](#) | [Herbicide](#) | [Fungicide](#) | [Insecticide](#) | [Further plant protection](#) | [documentation](#) | [General/harvest](#) | [Seeds / cultivars](#)

[Back to list](#) | [PSM Finder](#)

To simplify the book entry store amount, comment/indication and waiting period. You can edit them at any time in the journal.

To get **information** about plant protection products or a cultivar click on the blue information button .

## Journal

In the journal you record processes like fertilization, plant protection, cultivation etc. You can consult your present entries, edit them or enter new processes.

### (1) Book entry

For new entries, click on “**New book entry**” and select as a **1. Step** the **fields**. **Screen** for crops to display e.g. only the winter wheat fields.

**New journal entry - 1. Step (Harvest year 2010)**

All Places of operation

| All                                 | Field     | Nr. | Acreage [ha]                      | Crop         | Cultivar | Preceding crop |
|-------------------------------------|-----------|-----|-----------------------------------|--------------|----------|----------------|
| <input checked="" type="checkbox"/> | Eichacker | 1   | <input type="text" value="2,45"/> | Winter wheat | Jenga    | Winter rape    |
| <input checked="" type="checkbox"/> | Waldeck   | 5   | <input type="text" value="4,8"/>  | Winter wheat | Jenga    | Winter rape    |

Select process:

Working process:

Date:

EC - phase:  ?

[Next](#) | [Cancel](#)

Then select the **working process** which shall be recorded. You can change the **date** or enter if necessary the **EC-phase**.

Click on “**Next**”.

In the **2. Step** you can adjust the selected working process. All marked products will be entered in the journal. Add or correct the quantity and comments. You have the possibility to select the **total quantity** or the **quantity per ha**.

### (2) Cancel/delete book entry


In case you want to cancel a book entry, select in the journal “**Cancel compound book entry**”. All book entry details will be shown. You can select recent book entries on the dropdown menu. Click on “**Delete**” to delete the book entries of the concerned fields.

Single products you can remove by clicking on the delete button behind every field.

### (3) Enter plant protection-application




To enter plant protections pay attention to the following items:

- Enter always **first- and last name of the user**. Create persons in the master data and enter them in the working process or mention them in the comment field of a standard person.
- Enter already by the creation of a working process the **waiting period**.
- Enter under **comment/indication** the exact name of the pest organism.

Behind every plant protection you find a blue information symbol . Click on it to get to the website of the **BVL**, where you find the main information of plant protections.

#### New journal entry - 2. Step

PS Herbizid Getreide ([change](#)) - 1 Field (5,3 ha)

| Category   | Title   | Total                               | Quantity | Waiting period | Comment/Indication     |
|--|---|-------------------------------------|----------|----------------|------------------------|
| <input checked="" type="checkbox"/> Person                   | Max Mustermann  | <input checked="" type="checkbox"/> | 0        | h              |                        |
| <input checked="" type="checkbox"/> Work                     | PS, Anbauspritze, Schlepper   |                                     |          |                |                        |
| <input checked="" type="checkbox"/> General/harvest          | Wasser/Spritzbrühe  | <input type="checkbox"/>            | 300      | l              |                        |
| <input checked="" type="checkbox"/> Herbicide                | Malibu   | <input type="checkbox"/>            | 4        | l              | Einjähriges Rispengras |
| <input checked="" type="checkbox"/> Herbicide                | Picono   | <input type="checkbox"/>            | 3        | l              | Gemeiner Windhalm      |
| <input checked="" type="checkbox"/> Further plant protection | CCC 720  | <input type="checkbox"/>            | 0,5      | l              | 63<br>Halmfestigung    |







[Save](#) | [Back](#) | [PSM Finder](#)

### (4) Enter the harvest

The harvest can either get recorded directly under “Fields” and/or in the journal. For the calculation of the nutrient balance only the **harvest yield/ha** in “Fields” is relevant. You can enter it directly or transfer it by mouse click from the journal.

#### Harvest book entry (compound entry) in the journal:

- Create under “Operations” a working process. Enter from the category “General” **harvest yield main crop**.

| Ernte Getreide |                             |             |                        |           | Liste   | <   | > |
|----------------|-----------------------------|-------------|------------------------|-----------|---|---|---|
| Kategorie      | Bezeichnung                 | Menge       | Bemerkung / Indikation | Wartezeit |   |   |   |
| Person         | Betriebs-AK 1               | 0,75 h / ha |                        |           |  |  |   |
| Arbeit         | Ernten, Mähdrusch, Getreide |             | Transport: HD-HE-12    |           |  |  |   |
| Allgemein      | Erntemenge Hauptfrucht      | dt / ha     |                        |           |  |  |   |

- Now you can record it in the journal.
- Enter the harvest yield at harvest yield main crop before finish the book entry.

**HINT:** You can also enter easily a compound entry. Therefore enter the complete harvest yield.

Ernte Getreide (**change**) - 9 Fields (34,2 ha)

| Category  | Title                       | Total                               | Quantity                             |
|---|-----------------------------|-------------------------------------|--------------------------------------|
| <input checked="" type="checkbox"/> Person          | Betriebs-AK 1               | <input checked="" type="checkbox"/> | <input type="text" value="25,7"/> h  |
| <input checked="" type="checkbox"/> Work            | Ernten, Mähdrusch, Getreide |                                     |                                      |
| <input checked="" type="checkbox"/> General/harvest | Erntemenge Hauptfrucht      | <input checked="" type="checkbox"/> | <input type="text" value="2736"/> dt |

- In case you want to store the harvest in the stock book select “**Transfer to stock book**”. At least one storage need to be available.

Transfer to stock book:  no  Yes

- Select a **storage** and add the requested information to the harvest.
- Quantity, persons and vehicle will be transferred to the stock book.
- To finish the book entry click on “**Save**”.
- Change to “**Extras**”.
- “**Transfer yields from journal to the fields**” summarizes the recorded quantities and transfers them for the nutrient balance on the field. Recent entries will be overwritten. This process can be repeated at any time.

**PLEASE NOTE:** This refers to **harvest yield main crop**. Bales of straws or other harvest yield do not influence the field yield.

## Stock book

The stock book offers you the possibility to record your storage maintenance, harvest, removal from storage and rearrangement and to create a storage documentation.

### (1) Store overview

Create one or more storages under „**New Storage XXXX**“. Enter the capacity and cleaning before the first storage.

**TIPP 1:** In case you have emptied an existing storage, finish the storage and create a replacement for the next storages.

**TIPP 2:** If you do not store, create a storage „Direct sale“, to record the transport.

### (2) Store maintenance




Enter here the cleaning and caring activities. Click on “New entry”. Select the storage and enter the date. Under Treatment enter the realised procedures.

**PLEASE NOTE:** The list „Compound“ contains all current approved plant protection products.

### (3) Harvest storage

You can only store harvest, which was entered in the journal. All harvest book entries from the journal are automatically displayed here.

In case you haven't allocated your harvest to a storage while booking, you can do it here at any time.

| Stock book              |  |                          |                       |                       |                      |  |
|-------------------------|--|--------------------------|-----------------------|-----------------------|----------------------|--|
| Harvest storage         | Storage maintenance  | Yield storage            | Additional purchase   | Rearrangement         | Removal from storage | Stock book e>  |
| All Places of operation | Storage: <input checked="" type="radio"/> All <input type="radio"/> Active | All harvest book entries |                       |                       | complete space       |  |
| Harvest date            | Field  | Crop, cultivar           | Harvested ( Journal ) | Stored ( Stock book ) | Storage              | Stored on  |
| 28.07.2010              | Eichacker '10  | Winter wheat, Jenga      | 183,8 dt              | 169,1 dt              | Getreidesilo 3 2009  | 28.07.2010  |
| 28.07.2010              | Hintere Burg '10   | Winter rape, NK-Fair     | 137,6 dt              | 146,2 dt              | Rapssilo             | 28.07.2010  |
| 28.07.2010              | Krempeler '10  | Winter rape, NK-Fair     | 349,5 dt              | 349,5 dt              | Rapssilo             | 28.07.2010  |

**PLEASE NOTE:** If you **delete** a journal entry, all respective stock books entries will be deleted as well.

If you modify the yield subsequently in the journal, the storage amount will not be adjusted. It can be corrected manually in the stock book.

#### (4) Additional purchase, rearrangement, removal from storage

Under “Additional purchase” you can enter and manage purchased crop. Under “Crop/cultivar” you can choose all crops you created in your master data.

Under “Rearrangement” you can record storage changes of your stored harvest products.

Under “Removal from storage” you register all harvest yields that are sold.

#### (5) Agricultural supplies

In this section you record the stock keeping of agricultural supplies that were bought in addition. Select at the top the product (fertilizer, herbicide,...) and click on “**New purchase**”. Entries in “Supplier” and “Storage location” will be saved.

Click at the top on the right on “**Output**” to get an overview.

#### (6) Stock book excerpt

Here you get an extract of information about your storages and inventory.

## Planning/ Orders

With few effort you can plan works and processes in advance and print them as a work order or transfer it to you Pocket PC.

The planning is similar to the journal. Start with “**New planning**”.

Under „**Output**“ you can print a work order for every field or create a collective order.

Under „**Reports**“ and „Planning of agricultural supplies“ you can get an overview.

### Output preview plans / Jobs

#### Planned products:

- PS, Anbauspritze, Schlepper
- Betriebs-AK 1
- Wasser/Spritzbrühe
- Fastac SC Super Contact

#### Output for (all fields):

- Hintere Burg (Nr. 2)
- Krempeler (Nr. 3)

Print all fields to one sheet

size of pesticide tank:  liter

Aufwandmenge Spritze / ha:  liter

[Start output](#) | [Cancel](#)

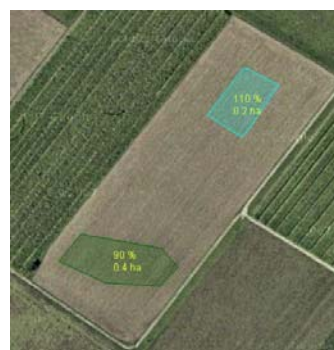
## DosiMap

DosiMap is easy Precision Farming on basis of the Google aerial map. There are marked subareas on which should be more or less fertilized than on average.

Select the menu „DosiMap“ and click on „Create new DosiMap“.

### (1) Create new acreage

- Select value (e.g. 60 %), and click on „New Acreage“
- Click on the aerial map to outline an acreage which shall be more or less fertilized than on average.
- Click with the right mouse button to delete the last point.
- Click on „Finish Acreage“ for saving.



### (2) Change area size or value


- Click on „Edit Modus“
- The height/form can be changed by pulling at the small boxes.
- Click on a button to change the value.
- Click on „End edit“.

### (3) Calculate saving effect

- Mark acreages
- Enter area of holding and the saving of fertilizer costs per ha. Click on calculate.

|  |                                  |
|--|----------------------------------|
| Area of holding ha                       | <input type="text" value="526"/> |
| Fertilizer cost/ha                       | <input type="text" value="250"/> |
| Acreage                                  | 11.4 ha                          |
| Saving effect                            | 0.5 %                            |
| <b>Advantage for farm</b>                | <b>678 €</b>                     |
| <input type="button" value="Calculate"/> |                                  |

### (4) Save and name

- Click on „Save Map“ and „Finish Map“
- Now you have an overview of all created DosiMaps.
- Click on „Rename“  on the right side an name your DosiMap.

### (5) Transfer DosiMap maps to Pocket PC

To use DosiMap on the Pocket PC you need **Myfarm24 Pocket Profi** with the parallel driving help DINA.

- To use DosiMap on the Pocket PC, click on the menu “**DosiMap**”
- Select the DosiMap you want to transfer.
- On the next exchange with your Pocket PC the map will be transferred and displayed in the parallel driving help DINA.

**PLEASE NOTE:** Only one DosiMap map can get transferred at a time.

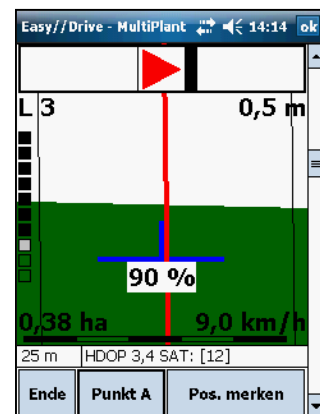
### (6) Use DosiMap on the Pocket

- Start Easy//Drive on Myfarm24 Pocket Profi.
- Use the parallel driving help as usual.
- As soon as the DosiMap acreage is passed the value will be displayed (e.g. 80%).
- Control your spreader etc. with the plus/minus buttons.



### (7) Application range

- Basic fertilization
- Organic fertilization
- N-Fertilization
- Plant protection
- Cultivation depth
- Obstacle warning (0%)



## Cross Compliance

You can prepare balances for the whole farm or the places of operation.

### Humus balance

#### Preparation:

All crops need to be entered correctly in the menu „**Fields**“. Mark under “Sowing/Harvest” „Crop residues cleared“.

#### Procedure:

1. Select under „**Cross Compliance**“, “Humus Balance” the harvest year for which you want to prepare a balance.
2. Under „**Cultivation**“ click on “**New from Field Record System**” to get the data from the filed table. Click on “**Save**”.
3. Under „**Crop residues working in**“ click on „**New from Field Record System**“ to enter the acreages of the fields, where crop residues rested on the field. Click on “**Save**”.
4. Under „**Fertilizer Feed**“ the worked in crop residues from “Crop residues” get transferred automatically. Add the organic fertilizers you used. You can select the TM-Content with the drop down arrow. Click on „**Save**“.
5. Change to „**Balance**“ to get an overview.
6. Click on „**Output**“ to get a printout of the balances of the last three harvest years.

**PLEASE NOTE:** Check out if you are obliged to prepare a humus balance. Farms whose crop rotation consists of at least 3 crops with a percentage of area of at least 15% do not have to prepare a balance.

Pay attention to all information about the Cross-Compliance regulations, which you receive from your competent agency. In case of doubt ask for personal advice.

## Nutrient comparison

**HINT 1:** For the nutrient comparison the transportation of nutrients on the fields is relevant. Fertilizer feed get contrasted to harvest removal. The feed from farm fertilizer gets calculated from the excretion of the livestock deducting the aerially N-loss.

**HINT 2:** All nutrient contents are denoted in kg per unit. Check if the suggested contents of fertilizers, harvest yield and animal excrements apply to your farm and edit them if necessary.

**Condition:** Crops and cultivars need to be entered correctly under „Fields“. All fertilizing procedure need to be recorded in the journal. All harvest yields need to be entered under “Fields”, “Sowing/Harvest”. Check also the field size.

### Procedure:

1. Select under **Cross-Compliance / Nutrient Comparison**.
2. Click on „**Fertilizer purchase**“, „**New from Field Record System**“. Your data get copied from the field record system. The amount gets calculated from the book entries in the journal. Click on “Save”.
3. Check out the amounts and correct them if necessary. In case a wrong fertilizer is entered, change the entry in the journal. Go back to the “**Nutrient Comparison**” and get the changes by clicking on “**New from Field Record System**”.

**Nutrient comparison**

Harvest year:  All Places of operation:  Livestock farming:  Yes  no

[Info](#)
[Purchase of fertilizer](#)
[Legumes](#)
[Harvest products](#)
[Output](#)

| Fertilizer                    | Total amount                          | N        | P <sub>2</sub> O <sub>5</sub> |
|-------------------------------|---------------------------------------|----------|-------------------------------|
| PK 12/19/4                    | <input type="text" value="33,07"/> dt |          | 12 kg/dt                      |
| Kali 50er grob                | <input type="text" value="7,28"/> dt  |          |                               |
| Kalkammonsalpeter mit Mg 27/4 | <input type="text" value="87,32"/> dt | 27 kg/dt |                               |
| Kalkammonsalpeter 27          | <input type="text" value="79,01"/> dt | 27 kg/dt |                               |
| PK 24/12                      | <input type="text" value="13"/> dt    |          | 24 kg/dt                      |
| NPK mit Mg und S 13/7/14/2/10 | <input type="text" value="8,13"/> dt  | 13 kg/dt | 7 kg/dt                       |

[Save](#) | [New from Field Record System](#)

4. Fertilizers of your own farm do not mark at „Purchase/Sale“. Biogas digest gates from a in-house biogas plant mark as “Purchase”.
5. The nutrient content of the fertilizers are lodged under “Master data/Product” and can only there be changed.
6. Change to „**Legumes**“. Click on “**New from Field Record System**” to get the data. Click on “**Save**”.

7. Check and change if necessary the acreage and the suggested N-Fixation/ha. Under "**Other Legumes**" you can add crops.
8. Change to „**Harvest Products**“. Click on "New from Field Record System" to get the yield.
9. Select „**Removal**“ at every harvest products and accessory harvest products you harvested and check the amount and nutrient contents. Click on "**Save**",
10. Select „**Livestock Farming**“ if your farm is keeping cattle

Livestock farming:  Yes  no

11. Enter under „Livestock Farming“ your live stock on average. The suggested nutrient contents can be changed if necessary.
12. Under „**Fertilizer Sale**“ only enter information if you have sold own fertilizers or biogas digest gates.
13. When all of it is entered change to „**Output**“. Check the valid balance acreage and click on "Compile Output" to get a printout. It is to keep for 7 years.

**TIP:** Usage of organic fertilizer

In case you have nutrient scrutinies of own or purchased fertilizers, biological waste, biogas digestgates or biosolids you can create products therefore under master data.

## Operating Data

### (1) Change access data

In this menu you find your address data, which is used for the printout. Click on “**User data**” to change your access data.

### (2) Places of operation

In case you have various places of operation e.g. in a BGB company you can create them here. Create all places of operation you want to evaluate on a time. Change to “**Fields**” and click on the field name. Under the basic data you find now the field “Place of operation”. Allocate the field to a place of operation. Upon completion, click on “**Save**”.

### (3) Guest access

This access can be given to any desired person and can be limited to several fields or harvest years.

Guests can not change the field data or see the prices.

### (4) Advisor access

This access can only be created for person who also own a Myfarm24 Field Record System. The advisor can optionally get read-, change- or market access permissions.

**PLEASE NOTE:** Guest- and advisor accesses can be deleted at any time.

## Reports

Under „Reports“ you can select following evaluations:

### (1) Cultivation overview

Overview of all fields with the crops and cultivars of the selected harvest year and the indication of the percentage of area.

### (2) Extract from journal

With the extract from the journal you can evaluate all products which are recorded in the journal. E.g. which fertilizer is used on which field.

First select the product group e.g. fertilizer and click on **“Next”**. Now select one particular product and click again on **“Next”**. Then select the fields which shall be evaluated.

You can select if it is displayed as HTML, PDF or in Excel. Click on **“Start output”**.

### (3) Field record system card

Also product pass, shows all journal entries to one field of the selected harvest year. Select the detail which shall be displayed.

**PLEASE NOTE:** This output contains important information for all Cross Compliance or Global-Gap.

### (4) Plan of agricultural supplies

Creates a list of the planned agricultural supplies and their price.

### (5) Consumption of agricultural supplies

Shows an overview of all consumed agricultural supplies and their prices.

### (6) Internal field comparison

Tabularly contrast of the most important manufacturing data of the several fields.

### (7) Economical evaluation

Is for the economical evaluation of the fields. Therefore need to be entered the prices of the products under „Master data“. Coasts of seed and harvest yields are entered in the field data.

## Extras

### Settings

Under „**Settings**“ you set the frontpage which is shown at your login.

You can change your field record system type at any time from cultivation to cultivation of vegetables.

Select under „**Data exchange mobile**“ if the fields of the previous year shall be transferred to the mobile gadget as well. The transfer of two harvest years only makes sense is e.g. the barley is already harvested and the sugar beet is still on the field. Then the cultivation after the barley belongs to the new harvest year and the harvest of the sugar beet to the previous.

### Service

Under „**Fields into new harvest year**“ you can copy your fields after completed harvest into the new harvest year. All basic data will survive and the actual main crop will be saved as preceding crop.

All parted fields can be united or can get transferred as they are.

Under „**Crops an cultivars in fields Update**“ the recorded crops and cultivars in the journal get transferred to the fields. If there are several crops/cultivars on a fields the last entered will be transferred.

Under „**Transfer yields from journal in fields**“ the entries which are recorded in the journal as “Harvest yield main crop” get entered to the fields.

### Supply level compensation

To evaluate how much soil is supplied with nutrients, the values of the soil analysis get classified in level from A to E. A is the category with the lowest contents, an additional fertilization is necessary.

Category C are the aimed values, no additional fertilization is necessary.

Values of category E are highflying, no additional fertilization is necessary either.

You have the possibility to adjust the fertilizer requirement calculation for fields of the categories A,B,D,E individually.

## Myfarm 24 Pocket

Under „**Downloads**“, „Install Pocket PC Software“ you find all information about the mobile Field Record System Myfarm24 Pocket.

### (1) Installation on the Pocket PC

To install Myfarm24 Pocket on your Pocket PC follow the following steps:

1. **Connect** your Pocket PC with your computer.
2. Install first the Data exchange program Myfarm24 Sync.
3. Go to „Extras“ in your field record system. Under „Downloads“ select „Install Pocket PC Software“. Click on **Myfarm24.exe**.
4. Follow the installation instructions on your Pocket PC.
5. Select on the Pocket PC top left „Start“ and „Programs“.
6. Start „**Myfarm24 Sync**“ and enter the WebSyncCode XXXXXXXX. You find it under point 3, of the installation instruction on the computer.
7. Click on „**Start synchronization**“, to install Myfarm24 Pocket.



### (2) Data exchange

You can do the data exchange directly from your Pocket PC:

1. The Pocket PC has to be connected with the computer or it has to exist an internet connection.
2. Select „**Myfarm24 Sync**“.
3. Click on „**Start synchronization**“.



## Copyright

Myfarm24 is a development of:

Uwe Helm, Adam-Herd-Str. 23, D-68526 Ladenburg

Copyright © 2008 by Uwe Helm

The exploitation rights and rights of use reserved by  
HELM-Software, Adam-Herd-Str. 23, D-68526 Ladenburg.

Idea, concept and layout: Uwe Helm

Development: Veronika Reznik, Uwe Helm

Quality Management, Documentation: Stefanie Heinzmann