

DLG Field Days 2024 Review



Field handover 09.08.2023

- Soil treatment: plocher humus soil 2 l - € 90,76 /ha



Soil treatment with medium pressure lance and mixing tanks.
As well as taking soil samples.



Aerial view of the field at handover

Catch crops and green manure

21./22.08.2023

Ploughless tillage, dug and then flattened.

29.08.2023

Sowing of the catch crop for green manure:

Mustard Variety: PIRAT, Freudenberger company

Red clover variety: BLIZARD, Freudenberger company

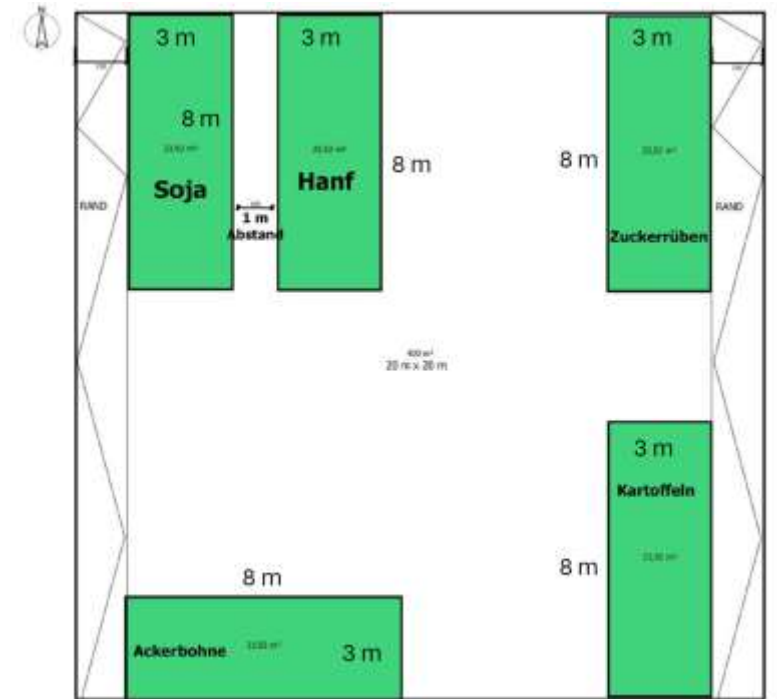




Red clover, April 2024

Seedbed preparation and crops

- **Broad beans, Tiffany variety, Saaten Union**
→ Sowing: 24.03.2024
- **Hemp, varieties Estica and Biolobrzeskie, company Hanf Farm**
→ Sowing: 26.04.2024
- **Potatoes, Mikado variety, Danespo company**
→ 16.04.2024 Laying of potatoes, pre-germinated
- **Soybeans, Viscount variety, company EuroVisio**
→ Sowing: 26.04.2024
- **Sugar beet, variety Orpheus, company Strube**
→ Sowing: 14.04.2024
- **only green manure through catch crop cultivation mustard/red clover**
- **no mineral fertilization: 29 kg/ha Nmin on 18.04.24, 0 - 30 cm
no chemical synth. plant protection**
- **ploughless tillage, summer 21./22.08.2023 dug and then flattened**
- PLOCHER application recommendations: see PLOCHER vital plans
<https://plocher-international.com/Vital-Plan/>



Mulched red clover on 10.05.2024



Broad bean variety: Tiffany, Saaten Union company

- Vital, stable stock
- No infestation by lice
- No leaf diseases
- High pod trim
- No failures despite wind and storm



www.hanffarm.de

Hemp Estica and Biolobrzeskie, company Hanf Farm

- Grain and Fiber variant
- Co-exhibitor company Hanf Farm presented the versatility of hemp in various products
- Particular interest among younger visitors
- Significant growth phase: the growth could be observed daily during the field days



Potatoes

Sort: Mikado, Danespo

- No late blight or Colorado potato beetle infestation
- Rich harvest for visitors and PLOCHER team
- Tasty early potato

PLOCHER

Vital plan:

Potatoes



BBCH	After harvest and in spring	Seedlings	21 – 25 Leaf and stem development 31 – 39 main stem elongation	41 - 49 Tuber foration 51 – 59 Inflorescence	61 - 69 Bloom 70 – 79 Fruiting
PLOCHER products Recommended appliance <i>Amount of spray water: 200 - 400 l/ha Mix it into a bucket of water, with mixtures always put PLOCHER products first into the sprayer with the stirring unit running.</i>	plocher humus soil me <i>(ak 7071)</i> 1 – 2 l/ha First application: 2 l/ha	plocher plants do <i>(ap 3051)</i> Or plocher plants me <i>(ap 3071)</i> 500 g/ha or 500 ml/ha	plocher plants do <i>(ap 3051)</i> 100 g/ha plocher leaf-special me <i>(ap 3471)</i> 100 ml/ha plocher humus soil me <i>(ap 7071)</i> 500 ml/ha	plocher plant do <i>(ap 3051)</i> 100 g/ha plocher leaf-special me <i>(ap 3471)</i> 200 ml/ha plocher combi-leaf mg <i>(ap 3752)</i> 500 g/ha	plocher plants do <i>(ap 3051)</i> 100 g/ha plocher combi-leaf mg <i>(ap 3752)</i> 500 g/ha
Remarks: Weather, location and other factors can influence the dosage and spraying sequence.	Soil regeneration for surface composting of harvest residue green manure/ catch crop. Can also be mixed with PLOCHER treated slurry (= liquid humus) before spreading.	Treatment of seedlings: Dry (do) or liquid spraying (me)	Can also be mixed with PLOCHER treated slurry (= liquid humus) and be applied together. Depending on development add plocher combi-leaf.	Depending on development dosage plocher combi-leaf mg 400 – 600 g/ha If needed, this appliance can be repeated.	Depending on development dosage plocher combi-leaf mg 400 – 600 g/ha If needed, this appliance can be repeated.

Integrated Crop Management, please notice our recommendations:

- plocher agro-kat for field sprayers vitalizes water and stabilizes water hardness
- **Frist application PLOCHER concept: 20 - 30 % reduction of fertilizers and pesticides**
- **With continued appliace of PLOCHER products fertilizer and pesticides can be reduced gradually**
- **For farms in conversion: Simple and fast transition to ecological farming**





31.05.24



Soybeans Variety: Viscount, company EuroSivo

- Good growth despite difficult weather conditions
- No slug infestation
- Vital plants



Sugar beets Variety: Orpheus, Strube

- Clean, straight growth
- Vital stock
- Brix values:

in the turnip:
between 12% and 14%

in the leaf: 18.3 %

PLOCHER

Vital plan:

SUGAR BEET



BBCH	After harvest and in spring	Treatment of sugar beet seedlings or catch crop	12 – 19 Roesette growth	30 - 40 Up to harvest
PLOCHER products Recommended appliance <i>Amount of spray water: 200 - 400 l/ha</i> <i>Mix it into a bucket of water, with mixtures always put PLOCHER products first into the sprayer with the stirring unit running.</i>	plocher humus soil me <i>(ak 7071)</i> 1 – 2 l/ha First application: <i>2 l/ha</i>	plocher plants do <i>(ap 3051)</i> 20 g per unit	plocher humus soil me <i>(ap 3752)</i> 500 ml/ha plocher plants do <i>(ap 3051)</i> 100 g/ha plocher leaf-special me <i>(ap 3471)</i> 100 ml/ha	plocher plant do <i>(ap 3051)</i> 100 g/ha plocher leaf-special me <i>(ap 3471)</i> 200 ml/ha <i>When needed:</i> plocher combi-leaf mg <i>(ap 3752)</i> 500 g/ha
Remarks: Weather, location and other factors can influence the dosage and spraying sequence.	<i>Soil regeneration for surface composting of harvest residue green manure/ catch crop.</i> <i>Can also be mixed with PLOCHER treated slurry (= liquid humus) before spreading.</i>	<i>Mix with seeds 1-3 days before sowing, if already treated mix with seeds in spreader.</i> <i>With already treated seeds: Add while filling the seed drill.</i>	<i>Can also be mixed with PLOCHER treated slurry (= liquid humus) and be applied together.</i> <i>Depending on development dosage plocher combi-leaf between 400 – 600 g/ha</i>	<i>Depending on development dosage plocher combi-leaf between 400 – 600 g/ha</i> <i>If needed this appliance can be repeated.</i>

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Soil-dumpling test: For the comparison, a neighbouring sugar beet soil and a soil from the PLOCHER sugar beet plot were taken. The soil test clearly shows the strong live-built crumb structure on the PLOCHER field!

The high number and activity of earthworms have a significant effect on soil respiration and water absorption capacity!

Soil



Aerobic composting during the DLG Field Days

- Mulching of red clover
- Surface composting with plocher compost & manure cc
- Compost pile without restacking
- "Operating temperature" sets in!



Confirmed by visitors: aromatic smell!



Humus increase through PLOCHER-Aerobic agricultural management: Continuously tested in practice at the DLG Field Days



DLG field days 2016



Analyzed by LUFA Nordwest:

A **40%** increase
at the Field Days 2016
3.1 – 3.4 % -> **4.6 %**

DLG field days 2018



Analyzed by Analytik
Labor Oberndorf:

A **30%** increase
at the Field Days 2018
2.7% -> **3.5%**

DLG field days 2022



Analyzed by LUFA Nordwest:

A **26%** increase
at the Field Days 2022
2.7% -> **3.4%**

DLG field days 2024



Analyzed by LKS/LUFA Nordwest:

An increase of **11.11%**
at the Field Days 2024
1.8% -> **2.0%**

Humus values are determined at field handover and in May before the fair. Over the years, it has been shown that humus enrichment in the PLOCHER field develops according to the baseline value.

Team 2024

- **PLOCHER Polska**

Aleks Gamza - <https://plocherpolska.pl/>

- **PLOCHER Baltikum**

UAB "Grynas Baltija" - <https://grynasbaltija.lt/>

- **PLOCHER-Vertriebspartner**

Ingrid Rinkleff - <http://www.plocher-krebeck.de/>

Rupert Paulus - <https://www.wasser-vitalisierung.com>

Erich Brunner <https://www.erichbrunner.com/>

Dennis von Echte - www.dennisvonechte.de

- **Peerconcept**

Harald Niekrenz - <https://www.peerconcept.de/>

- **Co-exhibitors Hanf Farm**

Marten Koch - <https://hanffarm.de/>

- **Danespo**

Caspar Engelmann - <https://www.danespo.de/>



Many thanks to all visitors!