

Erdődi Biokertészet, HU

Association/certification body: Biokontroll Hungária Nonprofit Kft., TMG member-Community of regenerative farmers

Organic Farming since 2000



Yield enhancing strategy, what makes the farm special?

Yield is increased by improving the biological condition and fertility of the soil, through increasing its humus content and water retention capacity. In horticulture this is achieved through biointensive growing methods, annual planning of crop rotations, standardised bedding systems. In arable farming, humus content is increased by cover crops, cattle manure from his own cattle and biodynamic techniques (BD500 preparation and Maria Thun barrel compost). The farm philosophy is to produce healthy soil and healthy food with high nutritional value that is easily digestible.

Optimisation wishes and questions:

Retain water in the soil with minimum tillage. Aiming for minimum inputs, replacing them with local resources.

Cover crops, livestock, manure composting biodynamic preparations. Processing of products produced on the farm, heat-treated pickles, fermented pickles, flours. Climate change, grazing livestock.



Photos: ©Erdődi Imre

Farm: 30 ha mixed crop production of vegetables and arable crops.

Soils: Humus-enriched sandy soil/sandy soils

Rainfall and temperatures

2003-2023	J	F	M	A	M	J	J	A	S	O	N	D	Year
Rainfall [mm]	28.1	36,3	32,9	47.0	63.9	66.9	73.8	52.0	51.3	48.7	41.8	42.1	555
Temperatures [°C]	-1	1	6	12	17	20	22	22	17	11	6	1	11

Crops, yields and fertilisation, 2019-2024 [t/ha]:

Crop rotation plan	2019	2020	2021	2022	2023	2024	Av.
Sunflower	3.0	3.1	3.0	2.0	3.5	3.8	3.0
Winter wheat <small>Cattle manure, oversown with clover, Physiomax (Calcium)</small>				2.0	2.5	3.0	2.5
Spelt <small>Cattle manure, oversown with clover, Physiomax (Calcium)</small>	2.5	2.5	2.7	2.0	2.8	3.0	2.6
Einkorn <small>Cattle manure, oversown with clover, Physiomax (Calcium)</small>						1.5	1.5
Potato <small>Chicken manure, input: Patentkali</small>	10	11	13	10	15	20	13.1
Carrot	30	33	35	30	34	36	33.0
Red paprika	13	12	13	10	13	11	12.0
Cabbage <small>Chicken manure, input: Patentkali</small>	3.0	2.5		2.2	2.5	2.0	2.4
Maize	6		7	3	5	7	5.6

Machinery

Tractors

MTZ

Power HP

75 HP

Self-propelled machines /eg. Harvester

Working width in
meters

Not farm owned – done by contractor

Cultivation

Gruber (cultivator with chisels)

3 m

Field cultivator

3 m

Land roller

4,5 m

Weed harrow

6 m

Push hoe

Potato planter

Cup-type transplante

Harvest

Potato digger

Fertilisation

Fertilizer spreader