



STUDY TOUR group 2

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1. BIOgaz UNIO ZRT. KISBER

www.biogazunio.hu build in 2012. Company BIOGAS UNION Owner studied in Munich and he got the idea and technology there. 18 employees; problem to employ good workers

- Organic farming - Bioorganic products certified on national level EXPORT to Germany and Switzerland mainly for baby food
 - Soil plowing; crop rotation (maize, sunflower); intercropping (alfa-alfa over maize); 10% of farm surface for biodiversity (bush; forest; marsh); use of digestate and green manure for soil fertilization. using plant conditioners and soil bacterias
- Farm production
 - Biogas (methane);
 - Water hydrolisis (using solar energy) to produce hydrogen and increase the methane production in the biodigestor
 - Electricity (from solar energy and methane combustion 844kW / hour);
 - Pigs fattening (5.000) (fed with external input; the floor of pig barns are heated by using the exchess thermel output from the energetic conversion; free stabling)
 - Field crops (Maize; sunflower; alfa-alfa); 900 ha: 800 arable + 100 biodiversity maintaining



2. Kisalföldi Agricultural Zrt.

www.kisalfoldi.hu build in 1999.

- Conventional farming and dairy production 1500 ha
 - Soil plowing (25 cm); crop rotation (maize, alfa-alfa); use of chemical fertilizers, using plant conditioners and soil bacterias; irrigation from danube
- Organic farming 1500 ha
 - Soil plowing (25 cm); crop rotation (maize, alfa-alfa); digestate and green manure for soil fertilization, using plant conditioners and soil bacterias
- Organic garden: 162 ha (more or less 12 ha carrot, 60 ha peperoni, 10 ha pumpkins, 30 ha potatoes).
- Farm production
 - Milk production (25 million of milk litres per year) from 5000 cows (2600 dairy cows).
 - electricity (from combustion of methane obtained from digbestion of manure and silage maize);
 - Field crops for gas production and feeding (silage Maize; alfa-alfa) under conventional farming

Hard to find employees,
Housing for workforce (manly from Romania)



3.Sudar Birtok

www.sudarbirtok.hu Started in 2017, family company produces 20 different herbs and spices:

- Organic farming – 6 ha (5.5 alfa-alfa; 0.5 for herbs and spices)
 - Soil plowing (20 cm); green manure for soil fertilization (no external input)
- Farm production
 - 20 different herbs and spices: basilicum, peppermint, rosmary, origano, sage, thyme, lavanda, lemongras, parsley, red paprika, marjoram...
 - Storytelling-openfarm for visitors specialy children and students- workshops – rich biodiversity
 - Price for workshop: 5€ for pupil and 12 for adult
 - Sales: own shop, web shop and other shops (agreement)

Problem: evident nutrient deficiency in soil





Conclusions

- None of the farmers know about Regenerative Agriculture;
- Ways to integrate regenerative practices in the farms;
 - Promotion and motivation to adopt RA practices;
 - Training on RA practices that they could integrate in their specific context;
 - Identification of the RA practices they already apply;
 - Networking with other interested farmers;
 - Piloting the RA practices in a part of their farms.















Thank you for you attention!

