



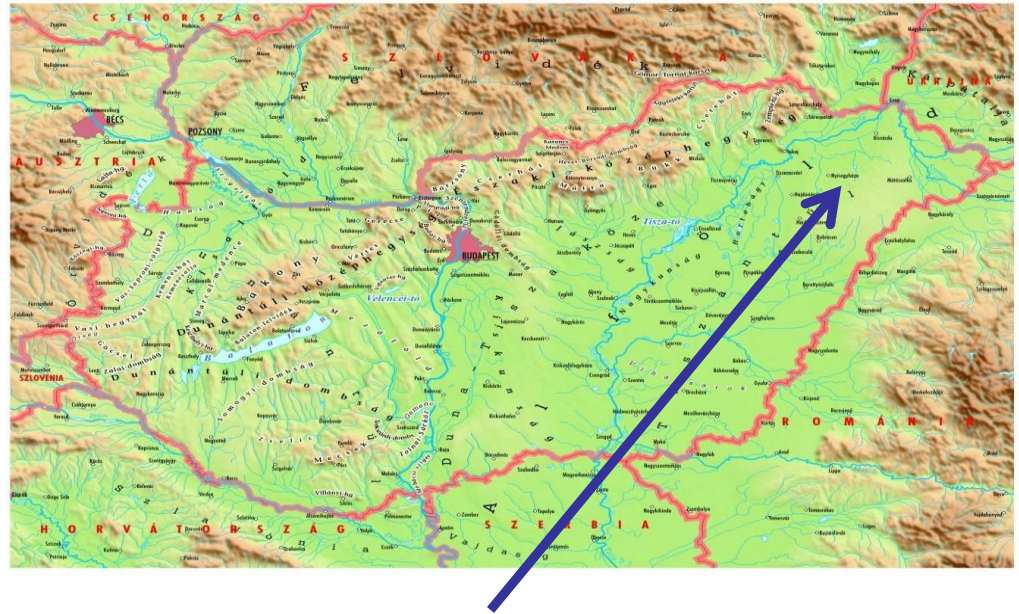
NYÍREGYHÁZI
EGYETEM

MŰSZAKI ÉS
AGRÁRTUDOMÁNYI INTÉZET

ON FARM RESEARCH AND DEMONSTRATIONS ON SOILS WITH LIMITED FERTILITY AT THE TRAINING FARM OF THE UNIVERSITY OF NYÍREGYHÁZA (HUNGARY)

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HUNGARY (Magyarország) & NYÍREGYHÁZA

7.356 million hectares (79%) of
growing areas, 4.334 million hectares
of arable lands,
only 250 000 hectares (<3-4%) turned
to organic production



Nyíregyháza, North-Eastern Hungary



University of Nyíregyháza



**Technical and Agricultural
Faculty**

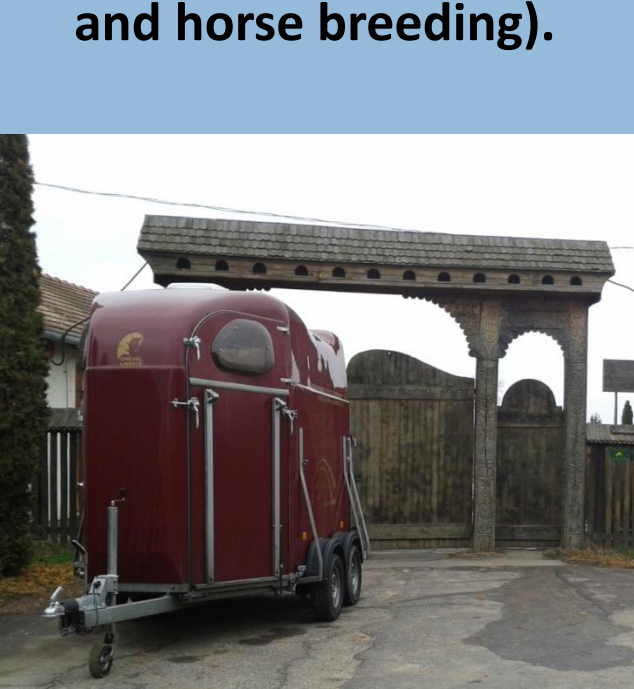
**Our
building**



ANIMAL HUSBANDRY

Site of the practices for our agricultural engineer students (animal husbandry and horse breeding).

**Hungarian sport and pony horses;
Hungarian yellow hen stock; Hungarian
merino sheeps; goats; pigs.**



TRAINING FARM OF THE UNIVERSITY OF NYÍREGYHÁZA

HORTICULTURE, FRUCTICULTURE



**Plantations turned to
organic farming:
apple, plum, pear, apricot,
grape, cherry, raspberry.**

**Site of the production practices for
agricultural engineer students
(pruning of apple and drupaceous
fruit trees, nuts, berries, plant
species knowledge and plant
protection practices).**



TRAINING FARM OF THE UNIVERSITY OF NYÍREGYHÁZA – in FERENCTANYA near NYÍRTELEK

PLANT CULTIVATION

Site of the weekly, summer and continuous practices for our agricultural engineer students.

Our students are involved in every work of arable crop production (subsoil loosening; plowing; seedbed preparation, nutrient replenishment; sowing; plant care; harvesting; mowing; etc.).

Field crop production: 248 ha
- conventional: 114 ha
- organic: **134 ha** (54%)



TRAINING FARM OF THE UNIVERSITY OF NYÍREGYHÁZA – in FERENCTANYA near NYÍRTELEK

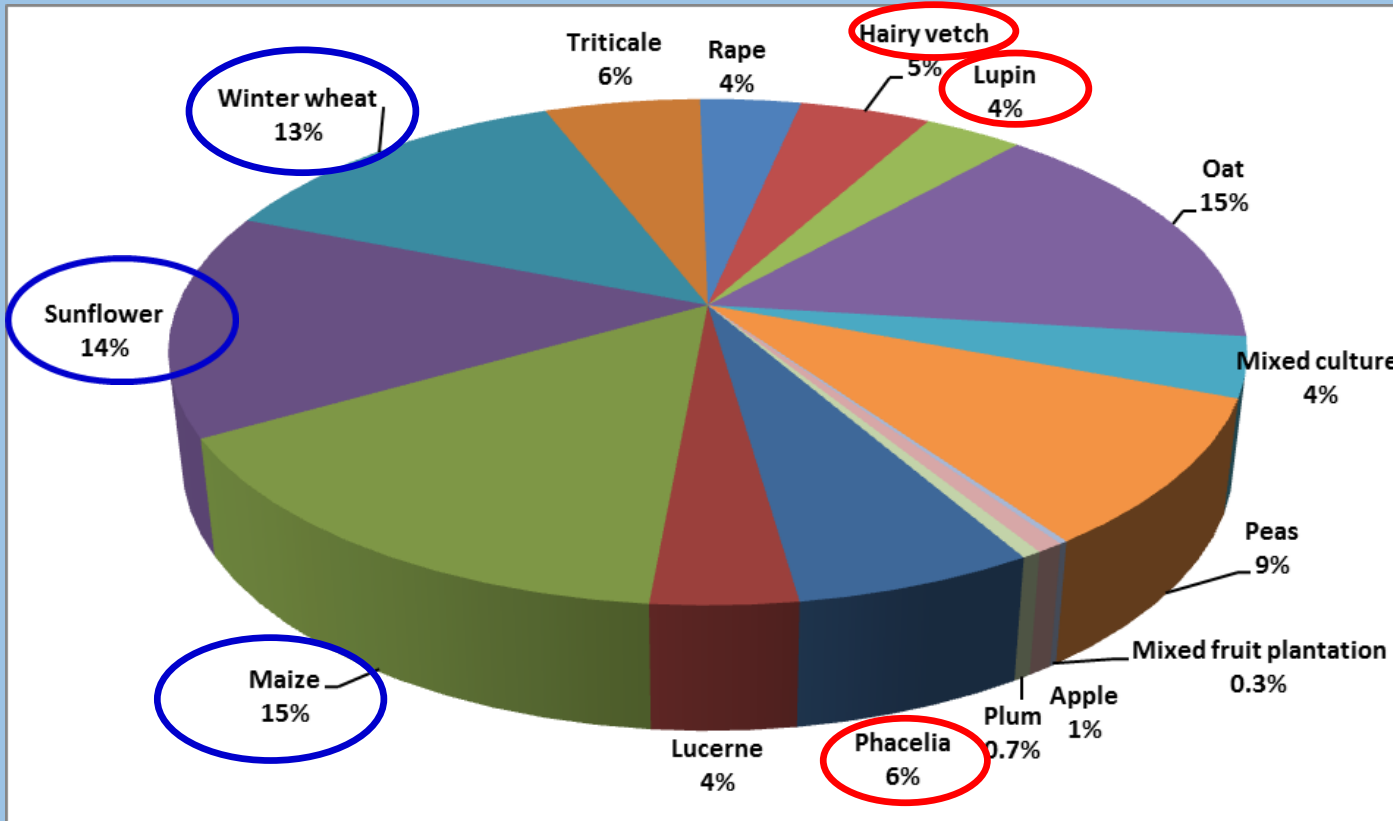
ARABLE SOILS



- loamy sand texture
- acidic or slightly acidic, pH-KCl: 4.0-5.6
- low total salt content, 0.05-0.09 m/m%
 - low CaCO_3 <0.1 m/m%
- low or medium organic matter content 1.9-2.4 m/m%
 - low soluble Zn 6.2-7.8 ppm
 - low soluble Cu 1.4-1.7 ppm



Production structure 2018



Lupin

Research related to organic farming

GREEN MANURING – SUNFLOWER (Dr. Zsuzsanna Uri)



Stock of Tillage Radish in the green manuring experiment
(left: in September 2017, right: in January 2018)



Stock of Tillage Mix „Tas” in the green manuring experiment
(in September 2017)



Stock of a sunflower hybrid in the green manuring experiment (in June 2018)

WEED MANAGEMENT – Dr. Miklós Szabó

Weed flora research

- Hairy vetch
- Fodder peas
- Lupin

At every crop two sowing technologies

Three surveys per year

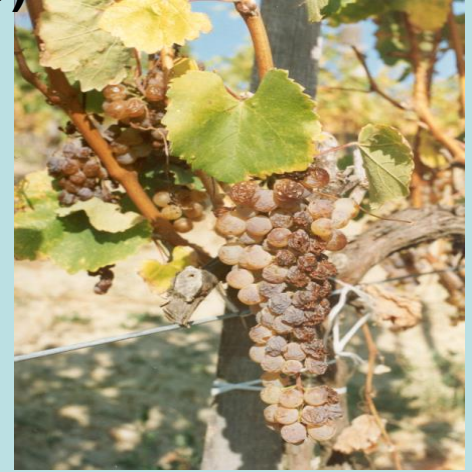
- Weed species
- Weed coverage
- Annual and perennial weeds



AMBROSIA ARTEMISIIFOLIA WITH LUPIN

TOKAJ WINE REGION - UNESCO WORLD HERITAGE

(only 30 kms far from Nyíregyháza ☺)



Tokaj „aszú” wine



Thank you for
your attention!

