



Implementation of GAEC in Hungary

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GAEC 1 - Minimum soil cover

GAEC 2 - Minimum land management reflecting site-specific conditions

- On arable land steeper than 12% the cultivation of the following crops is prohibited:
tobacco, sugarbeet, fodderbeet, potato, Jerusalem artichoke
- On arable land steeper than 12% soil cover has to be maintained after the harvest of summer- and autumn-harvested crops by:
 - a) sowing autumn crops, *or*
 - b) maintaining the stubble till 30th of October or by low stubble cleaning in case the stubble is overgrown with weeds, *or*
 - c) applying secondary planted cover crop.

Land with a slope steeper than 12%

- Separate layer within the LPIS system



GAEC 3 - Retain terraces

- Terraces established against the effects of erosion in vineyards must be maintained.
- Terraces indicated in the LPIS system!

Physical blocs with terraces



Teraces in the LPIS



GAEC 4 - Arable stubble management

- The burning of stubble, reed, crop residue and grassland is prohibited.

Burning of stubble



GAEC 5 - Standards for crop rotation

- Rye, wheat, triticale, barley can be cultivated in 2 consecutive years;
- Maize and tobacco can be cultivated in 3 consecutive years;
- The following crops can be cultivated for several consecutive years: multiannual horticultural crops, fodder crops, grass seed, apiculture crops, multiannual energy crops and rice;
- All other crops can be cultivated only by annual crop rotation.

Control of crop rotation standard

- Step 1: Preliminary administrative check for the identification of the crops cultivated in the previous years on a given parcel
- Step 2: on-the-spot check to determine the crop cultivated in the actual year
- Step 3: cross-referencing the two data sets and the possible determination of non-compliances

GAEC 6 - Appropriate machinery use

- All machinery use is prohibited on waterlogged agricultural lands, except for the establishment of inland/flood water draining ditches and for the execution of salvage measures.

GAEC 8 - Minimum livestock stocking rates or/and appropriate regimes

- Overgrazing of grassland, and any substantial damage to the grassland by machinery use is prohibited.

GAEC 10 - Avoiding the encroachment of unwanted vegetation on agricultural land

- Agricultural areas must be kept under appropriate weed control;
- The appearance and spreading of unwanted shrubs and invasive tree species must be prevented on agricultural land.

What is appropriate weed control?

- The area of the parcel cannot be taken up by more than 30% by weeds
- The farmer must prevent the appearance of certain „dangerous” species of weeds

Dangerous weeds

Cuscuta spp.



Ambrosia
artemisiifolia



Asclepias
syriaca



Unwanted shrubs and invasive tree species

- Detailed list of species given to controllers in the official Handbook for GAEC Controls
- For example: *Robinia pseudo-acacia*, *Ailanthus altissima*, *Fraxinus americana*, *Fraxinus pennsylvanica*, *Acer negundo*, *Amorpha fruticosa*, *Eleagnus angustifolia*, *Padus serotina*, *Celtis occidentalis*, *Gleditsia triacanthos*, *Syringa vulgaris*

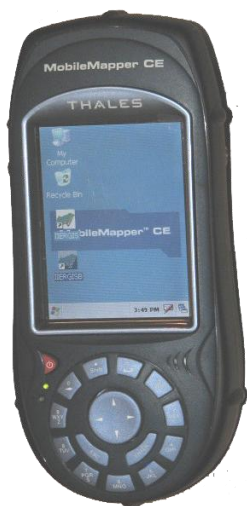
GAEC control sample

- Separate control sub-sample for GAEC within the cross-compliance sampling procedure;
- Utilization of high-performance statistical predictive algorithms based on previous years' data
 - simple risk factors: farm size, number of parcels, area etc.
 - composite risk factors: parcels smaller than 2 hectares with cereal crops, vineyards or orchards in certain regions of the country
- Control rate: 1% of the total control population

GAEC on-the-spot controls

- Controls performed by the Paying Agency (reg. 1122/2009/EC)
- Most controls performed together with the eligibility controls for SAPS or other area-related measures
- Utilization of GPS/PDA devices – no paper-based control sheet necessary
- General rule: no prior notification of the farmer about the control taking place on their agricultural land

GAEC on-the-spot controls



MMCE

File Zoom Tools Help

Helyszíni ellenőrzés

OK X

HMKÁ kódok kiválasztása:

2. Gyom Jelölt HMKÁ kód: 200

Ellenőrzés megfelelt?

Nem Igen

Nem releváns Nem ellenőrzött

Szöveges megjegyzés a HMKÁ kódhoz

Tovább

Mérték

Kismértékű Nagymértékű

Tartósság

Helyrehozható Maradandó

Súlyosság

Enyhe Súlyos

Szándékosság

Gondatlanság Szándékosság

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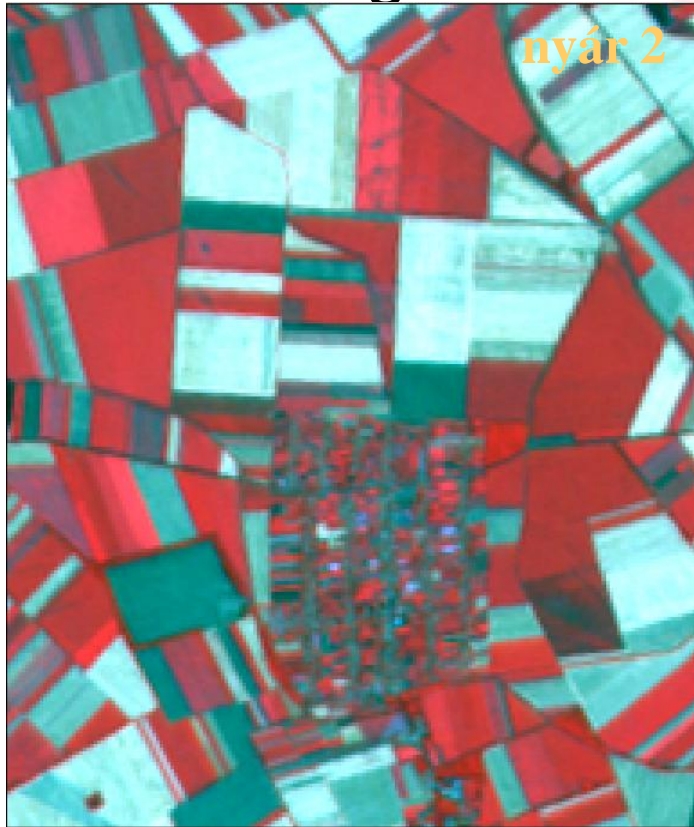
GAEC standard
complied with?

Remarks

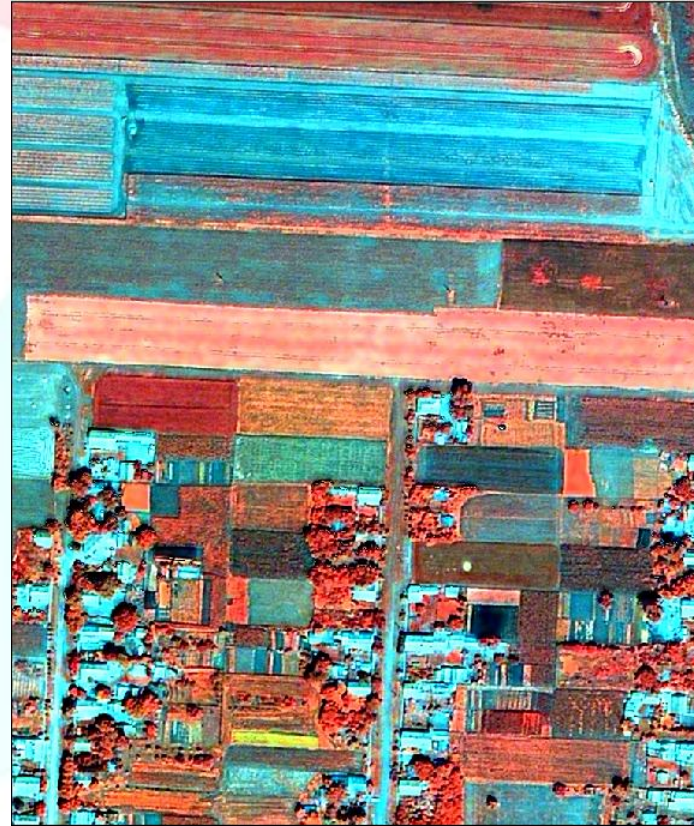
Qualification of
non-compliance
(severity, extent,
permanence,
intentionality)

GAEC remote sensing controls

- Remote sensing for GAEC 2, 10 (identification of crop cultures on sloping agricultural areas and controlling weed or arboreal infestation)



**Crop identification
(HR)**



**Area measurement
(VHR)**

GAEC open issues

- Retention of landscape elements: problems with definition, identification and registry of landscape elements



Thank you for your attention!