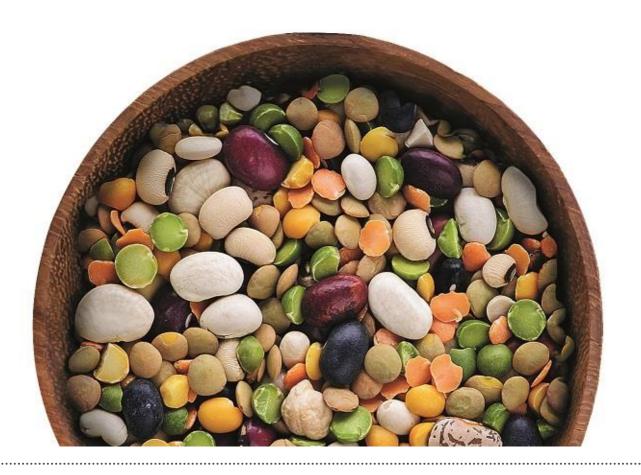


Cultivation Experiments of Hungarian Legume Land Races

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1 Summary Information

1.1 Partner Summary

SOP Code	EU_TRUE_SOP_038
TRUE Partner Acronym	AGKU
Primary Author	KRÁLL, A. (<u>krall@agrikulti.hu</u>)
Other Authors	BERTÉNYI, G; PAPP, O.
Linked Reference and Hyperlink (if available)	Not Applicable
Associated files to use with the SOP [and function]	Not Applicable



1.2 SOP Summary

Title

Cultivation experiments of Hungarian Legume Land Races

Brief description

The aim of the experiment to test legume land races at different small-scale farming locations either in organic and fully chemical-free cultivation for 3 years. Cultivation technology is mostly standardised. Data is gathered following a specially designed protocol based on the on-farm protocol of the Hungarian Institute for Organic Agriculture (ÖMKI).

The technological description and protocol consists of three parts:

- 1. Species-specific cultivation technology proposal
- 2. Protocol (template) for observation data regarding organic, small-scale cultivation
- 3. Protocol (template) for observation data regarding potential use



2 Protocol Steps

Designing and conducting organic cultivation experiments of legume land

1. Assessment of agro-ecological conditions of the cultivation location.

To describe the specific agro-ecological parameters of the plot(s) in question (soil, water, temperature, etc.)

2. Planting legume land races using technological descriptions

Collect facts and figures of plantation: timing, soil temperature, distance of seed(s), support system if needed, preparation for most frequent possible pests and diseases (pheromonetraps, etc.)

3. Repeated data gathering on cultivation process (general observations during cultivation)

Objective observation data:

- Planting (previous crop, seed distance, fertiliser)
- Germination (timing, density, frequency of sprouts)
- Used technology (watering, other)
- Flowering (start-70%-end)
- Pests and diseases observed
- Plant physiognomy (height, behaviour)
- Other observations

Subjective observation data:

- How much are you generally satisfied with the crop (as a producer)?
- Would you plant it again (having the experiment completed)?
- 4. Data gathering with a focus on crops (different stages) and their possible use.

Green pods

- Appearance of first pods (timing)
- Appearance of all (most) pods
- Physiognomy of pods colour, length, height, width, other
- Timing of harvest
- Yield

Fresh and/or dry beans

- Shape of seeds
- Colour/pattern of seeds



- Surface of seeds
- Size
- Weight (2*50 seeds' average)
- Yield (5 plants' average)
- Timing of harvest



3 Linked SOPs

Not Applicable

4 Disclaimer

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6 Citation

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