



Institut fir Biologesch Landwirtschaft
an Agrarkultur Luxemburg a.s.b.l.

BACHELOR THESIS OR RESEARCH PROJECT:

IMPROVING SOIL STRUCTURE IN SOYBEAN CULTIVATION WITH THE USE OF LIME OR GYPSUM

IBLA is the competence centre in the field of research and agricultural extension services for organic agriculture in Luxembourg. We envision a world where we can produce high quality food while protecting the natural environment through farming in respect of nature and believe that we can achieve such a sustainable farming system through organic agriculture. The main focus is on applied research and its quick transfer of findings and knowledge into practice.

What is all about?

Gypsum and lime are used in cultivation to positively influence and improve yields in the long term. The ingredient calcium serves as a connecting component between clay and humus resulting in an improvement of soil structure and, hence, promoting the formation of nutrients in the entire soil. The effect of gypsum and lime on agricultural soils will be investigated using exact plots. Soybean is chosen as the accompanying crop. The field trial will be implemented on an organic farm located in Cruchten, Luxembourg, that is characterized by heavy soils. Within the research project the effects of lime and gypsum on soil fertility and soybean yields as well as protein content are going to be investigated and evaluated.

Where do we need help?

The effect of lime and gypsum in soybean cultivation will be evaluated during the project. Several parameters on soil fertility, soybean growth and yields will be analysed in the field and in the lab. A statistical evaluation of these results will be part of your project report.

Start?

The research project will start at the beginning of June and can be done en bloc or accompany your regular studies.

Are you interested? We look forward to your application!
Please send your application by mail or e-mail:

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