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Future-Proofing Soil with Sustainable Agronomy Practices

A 2022 Global Environment Facility report highlighted a substantial aftereffect of the current global soil tilling and handling practices. In the absence of change, 95 percent of the Earth's soil risks being degraded by 2050, begging the question—how can we save the soil? This pressing issue has driven many farmers to look for sustainable ways of farming that don't negatively impact their profits. One organization, valuing soil preservation as one of its core ideologies, found a balanced approach to soil handling that conjuncts precision farming with soil rejuvenation techniques.



We provide comprehensive precision farming services, including the creation of management zones, soil sampling and testing, and post-report recommendations



That is AGRO AIM HUNGARY, a precision farming consultancy offering a method of precision farming under its 'Field Expert' brand that is soil-conscious, cost-effective, and profit-boosting. The crux of its services is an in-house lab with soil sampling and testing capabilities to process around 20,000 soil samples a year. The resulting data is a basis upon which 'Field Expert' makes practical recommendations to improve a client's farmland.

"We provide comprehensive precision farming services, including the creation of soil management zones, soil sampling and testing, and post-report recommendations," says Szabo Szilard, founder and general manager of AGRO AIM HUNGARY.

Before taking any action, AGRO AIM HUNGARY leverages its tools for soil sampling. It uses precision farming and traditional methods to sample soil depending on the situation, collecting samples from pre-determined soil grids or every five hectares of soil. Normalized difference vegetation index (NDVI) data from 14 years' worth of satellite images are used to establish soil grids, and soil scanners are occasionally employed. After establishing the grids, its automated soil sampling machine collects samples while noting their GPS coordinates. These samples are transferred to its lab for a complete analysis. Based on the results, the organization suggests suitable fertilizers, equipment, and planting rates for crops like corn, wheat, and sunflower.

AGRO AIM HUNGARY, through 'Field Expert,' approaches its goal of soil renewal and preservation by creating an ideal environment in the ground for organisms like bacteria and fungi to thrive. Sampling and testing soil helps create detailed reports on the compositional rate of a soil patch for elements like nitrogen, potassium, and lime. This data plays a vital role in deducing the amount of AGRO AIM HUNGARY's lime products to be

introduced to improve soil quality and the best manure levels and irrigation management techniques that reduce further soil degradation. It is one of the biggest distributors in Hungary for lime products and is developing a lime and fertilizer mixture to improve soil quality.

Lab results from soil and water testing may show that a lesser input of minerals into the soil will yield better crop quality, reducing expenses on farmers' ends without harming profits. Farmers using 'Field Expert' report improved soil quality and better-quality yields. Overall, clients save significant time, energy, and financial sacrifice when AGRO AIM HUNGARY handles the strategizing, decision-making, and post-implementation support operations for all soil-management-related processes.

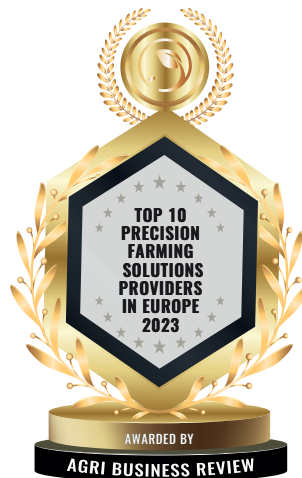
Its clients can rest assured about the quality of expertise they receive. AGRO AIM HUNGARY's founders collectively hold decades of experience in various agriculture-centered businesses. Its government-accredited lab is run by a nimble team of highly knowledgeable professionals that oversees automated processes and reviews every sample's test results to recommend suitable solutions.

Constantly working toward its sustainability mission, AGRO AIM HUNGARY is launching a new habitat improvement program with 'Field Expert' focused on wildlife and biodiversity management using precision agricultural practices. It is also researching improved irrigation techniques for soil preservation using natural water sources like rain and snow. Farmers looking to revitalize the quality of their soil and improve yields without harming their profits can confidently turn to AGRO AIM HUNGARY's precision farming services. **AB**



Szabo Szilard,
Founder and General Manager

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The annual listing of 10 companies in Europe that are at the forefront of providing Precision Farming solutions and transforming businesses in the region