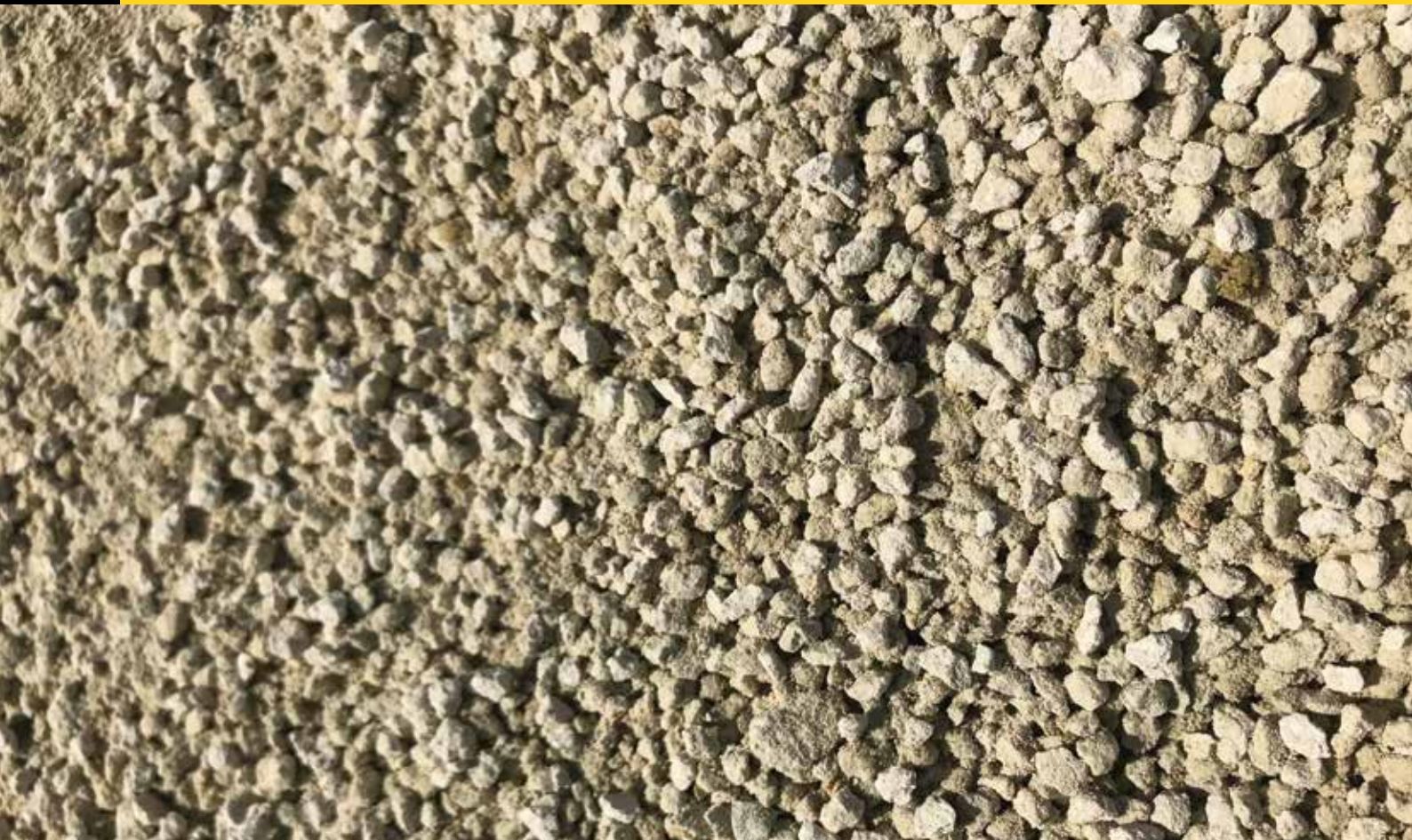


# Rhyolite Tuff from Bodrogkeresztúr

In the service of farming and soil improvement



ÉSZAKKŐ

[www.eszakko.hu](http://www.eszakko.hu)

## Ways to improve your farmland?

- regular monitoring of the soil's pH value
- preventing soil acidification
- preparing for ever more frequent periods of drought
- improving the soil's nutrient supply and productivity
- avoiding the decline of soil life and soil respiration
- keeping growing energy-, rental- and chemical costs under control
- stopping and reversing profit losses caused by dropping production rates

## Why Rhyolite Tuff from Bodrogkeresztúr?

- stabilizes the chemical reactions of the soil
- has an alkalising effect on soils with acidic pH
- has a positive impact on the soil's water management: outstanding yield growth even in years of extreme drought
- natural material, does not contain any toxic elements defined in the relevant standards, and decreases the soil's toxicity through its adsorption capacity
- optimises crop nutrient availability
- sandy soils in Hungary are often characterised by magnesium and zinc deficiency – to address this issue, the Bodrogkeresztúr Rhyolite Tuff has a high potassium, magnesium, calcium, zinc and iron content
- outstanding supplement for municipal compost and sewage sludge
- no nitrate and phosphate wash-out to the groundwater
- neutral, its sodium content is negligible, won't cause secondary salinisation

## Concrete results achieved with Bodrogkeresztúr Rhyolite Tuff

- **1% lower moisture content** in harvested maize kernel
- the wheat **gluten by 6.3%, the wet gluten by 6.7%**, and the **protein content increased by 4.6%** (GK)
- **5-10% yield increase per hectare** of maize, wheat, rye, sunflower, in the case of tobacco and soybean, this is **5-15% for arable vegetables**
- **5-8 years duration of effect**, which the dose and intensity of application will be determined based on soil test results
- **photosynthesis is increased, CO2 assimilation is greater, more sugar phosphates are formed, this results in better yields**

## A substitute for

- potassium chloride, as it contains potassium in sufficient quantities (1.5-2% content: 1 tonne contains 15-20 kg, 10% of which is available immediately, and this rate increases with time)
- zinc-sulphate, as it serves as partial replacement of zinc-sulphate supplementation
- other calcium placement (liming), as it covers the amount necessary for crops

## Is it worthwhile?

- you can find more information on our prices at [www.eszakko.hu](http://www.eszakko.hu)
- we offer custom rates for the transportation of our product
- the spreading of material deposited on the edge of farmlands is highly cost-efficient
- the recommended dosage for spreading is 1-2 kg/m<sup>2</sup> in the first year and 0.5-1 kg/m<sup>2</sup> in the following two years, depending on the condition of the soil
- enables saving the price of replaced materials (potassium-chloride, zinc-sulphate, calcium)
- reduced drying costs for maize
- spreading feasible even in inactive periods
- dynamic and cost-effective nutrient supply capacity
- yield growth



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## Supporting professionals

- researchers and contributors from the College of Nyíregyháza and the University of Debrecen
- Biokontroll Hungária and the Péter Sárközy Foundation
- our reference farmer: licensed producer János Pásztor, Békés County
- results following several years of application are visible in Nyírtelek



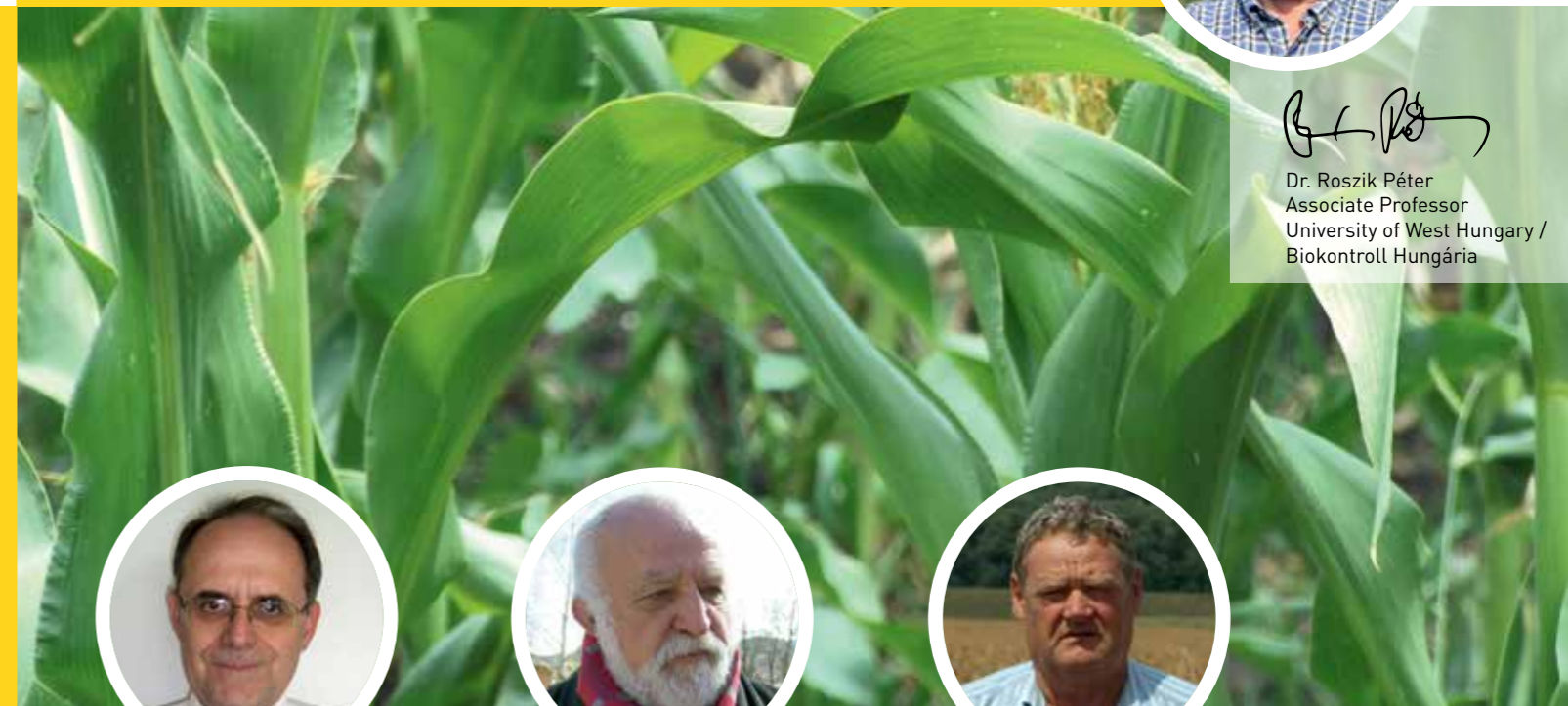
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