





PAROSTOK® —
a neo-ecological organic
fertilizer concept and
*advanced 21st-century
biotechnology for a
sustainable future*



PLANET
RENEWAL
PROJECT

UNI
FLOR



Soil is one of the most important national assets and strategic natural resources. Historical experience shows that the state of soil fertility directly influences the development of a nation. According to FAO data, over the past 50 years, the area of productive land has decreased by 300 million hectares, and 38 billion tons of organic carbon have been lost.

The main causes of degradation include erosion, depletion of organic matter, excessive use of mineral fertilizers, and climate change. Moreover, forecasts indicate that in the coming decades, erosion and desertification may affect an additional 20% of arable land.

Innovative technologies based on the use of organic fertilizers (peat, sapropel, and processed livestock waste products) are aimed at restoring and regenerating soil fertility, improving soil structure and microbiological activity, increasing yields, and enhancing the resilience of agriculture to climate challenges.

The organic fertilizer “Parostok” (seven formulations) and the substrates produced on its basis (“Soil Revitalizer Parostok”) have been specifically developed for use in arid regions—on desert and semi-desert soils. They are built upon the innovative PAROSTOK technology, which combines unique solutions from the ClearEarth and AridGrow technologies.





PAROSTOK© Innovative Technologies.

Contribution to Food Security, Restoration of Degraded Land, and Sustainable Agriculture

The application of PAROSTOK© products and technologies in arid regions, including desert and semi-desert soils, creates opportunities for the effective implementation of national food security programs, agro-landscape restoration, and the development of green zones, including in the Gulf countries.

These technologies and solutions are aimed at: Forming a fertile layer on degraded, depleted, and areas contaminated by industrial waste.

Introducing sustainable agricultural practices using PAROSTOK® organic fertilizer and Soil Revitalizer Parostok substrates, which ensure:

- the maintenance and restoration of agricultural land fertility,
- prevention of secondary soil salinization in irrigated areas,
- reclamation of saline and degraded territories,
- production of stable yields of organic crops with high biological quality,
- increased resilience of plants to adverse environmental, climatic, and phytosanitary factors.

They also contribute to reducing water consumption for irrigation by 1.5–3 times through the improvement of the soil's water-holding capacity, enhancing the phytosanitary and ecological condition of agro-phytocenoses, and improving the overall ecological balance of agro-landscapes.

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Application in biotechnologies for the remediation and reclamation of land contaminated with oil sludge and other industrial waste.

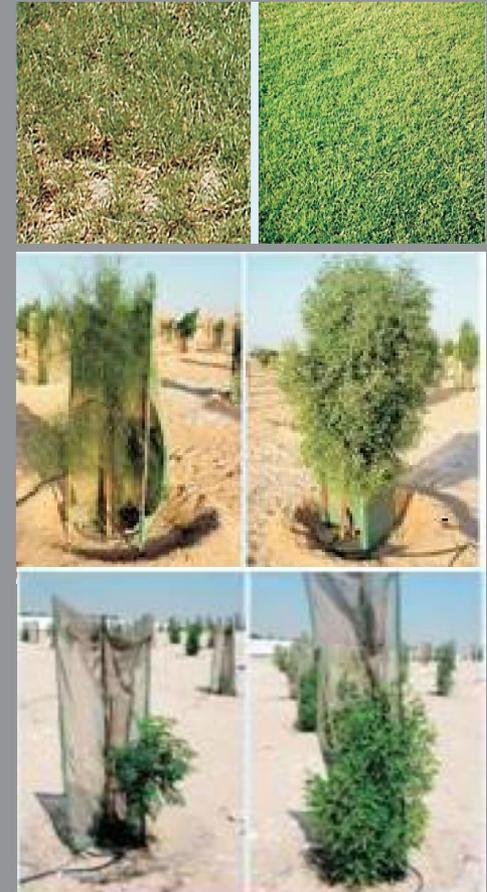
Implementation of project work for the creation, development, and maintenance of green zones using ClearEarth, AridGrow, and PAROSTOK© technologies. Establishment and operation of green areas for various purposes, including golf courses and recreational spaces.

Conducting scientific and exploratory activities to provide scientific and practical support for the deployment of PAROSTOK technology in agriculture and green infrastructure projects.

Implementation of projects for the introduction of resource-saving, scientifically based agricultural technologies aimed at preserving and regenerating soil fertility to achieve sustainable yields of high-quality and safe agricultural products.

Without Arid Grow

With Arid Grow



Economic and Environmental Benefits:

- Reduction of irrigation and mineral fertilizer costs
- Extended effective use of soil resources
- Shortened reclamation periods for degraded land
- Improved carbon balance and reduced CO₂ emissions

Social Impact:

- Strengthening of food and resource security
- Job creation in agriculture, land restoration, infrastructure, and urban greening

Application Prospects:

- UN Sustainable Development Goals and national strategies for combating desertification
- Large-scale agroecological projects in the Gulf countries and North Africa
- Local initiatives for urban greening and development of recreational areas

The use of PAROSTOK technologies is an effective tool not only for increasing crop yields but also for shaping climate-responsible agriculture.



Thank you for your attention and interest in our technologies!



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