

A large industrial facility, likely a grain elevator or processing plant, with a sign that says "CARBOLYZ". Several workers in blue uniforms are standing around a long conveyor belt filled with grain. The facility has large windows overlooking a field of crops.

CARBOLYZ

CARBOLYZ
WHOLE NEW ENERGY

FERTILISERS

Comprehensive Agricultural Solutions Proposal

Our comprehensive agricultural solutions proposal drives efficiency and sustainability, improving your crop yield and soil health.

Discover our key products: UREA, innovative Organic Fertilisers and Composts tailored to your needs.

We highlight our robust International Logistics, along with rigorous Certifications and Guarantees, reflecting our commitment to excellence.

Introduction

In this segment, we will delve into our value proposition for the agricultural sector, highlighting how our fertiliser solutions are designed to optimise the performance and sustainability of your operations.

Product Innovation: We offer a comprehensive range of fertilisers, including our prominent UREA and a variety of advanced organic solutions, formulated to meet the specific needs of each crop and soil type.

Comprehensive Benefits: Our formulations are designed not only to significantly improve the yield and quality of your harvests, but also to promote long-term soil health, fostering more sustainable agriculture.

Logistics and Guaranteed Quality: We boast robust international logistics that ensure efficient and timely delivery of our products, supported by rigorous quality certifications that guarantee their efficacy and reliability.



1. UREA: High-Efficiency Nitrogen Solutions

Urea is a crucial organic compound, recognised for its high nitrogen content, which makes it a vital component for various industries. Its versatility and efficiency position it as a fundamental solution in both the agricultural and automotive sectors.

1.1 Agricultural: Nutrition for Abundant Harvests

In agriculture, urea is the most widely used nitrogen fertiliser globally. It provides a concentrated and gradual release source of nitrogen, essential for vegetative growth, photosynthesis, and protein development in plants. Its application significantly improves crop yield and quality, contributing to efficient and sustainable food production.

1.2 Automotive: Emissions Reduction with AdBlue®

In the automotive sector, high-purity urea is used as a main component in diesel exhaust fluid (DEF), commercially known as AdBlue®. This additive is fundamental for Selective Catalytic Reduction (SCR) systems, transforming harmful nitrogen oxides (NOx) from exhaust gases into harmless nitrogen and water vapour. In this way, it actively contributes to the reduction of atmospheric pollution and compliance with emissions regulations.



1. UREA: High-Efficiency Nitrogen Solutions

UREA is a fundamental pillar in both modern agriculture and the automotive industry, recognised for its high nitrogen concentration and its efficiency in various applications.

1.1 Agricultural Urea

Essential for crop growth, it provides a gradual release of nitrogen that optimises soil nutrition, resulting in more robust and abundant harvests.

- FER-URE-AGRI-01: Granular

1.2 Automotive Urea

Fundamental for emission reduction in diesel vehicles. Our liquid urea complies with the highest purity standards for selective catalytic reduction (SCR) systems.

- FER-URE-AGRI-02: Liquid (Automotive Grade)





2. Organic Fertilisers

Our range of organic fertilisers offers sustainable solutions for healthy and productive agriculture. Formulated from natural sources, they improve soil fertility and plant nutrition, promoting abundant, high-quality harvests with minimal environmental impact.

2.1 Bird Manure (Pellets)

A natural, slow-release fertiliser, rich in nitrogen, phosphorus, and potassium, plus essential micronutrients. It improves soil structure, stimulates microbial activity, and provides balanced nutrition for vigorous crop growth.

2.2 Bird Manure + Biochar (Pellets)

Combines the benefits of bird manure with biochar, which improves water and nutrient retention, sequesters carbon, and boosts soil microbial life. An advanced solution for long-term fertility and resilient agriculture.

2. Organic Fertilisers

Our range of organic fertilisers offers natural solutions to enrich the soil and promote healthy, sustainable plant growth, aligned with environmentally friendly agricultural practices.

2.1 Poultry Manure (Pellets)

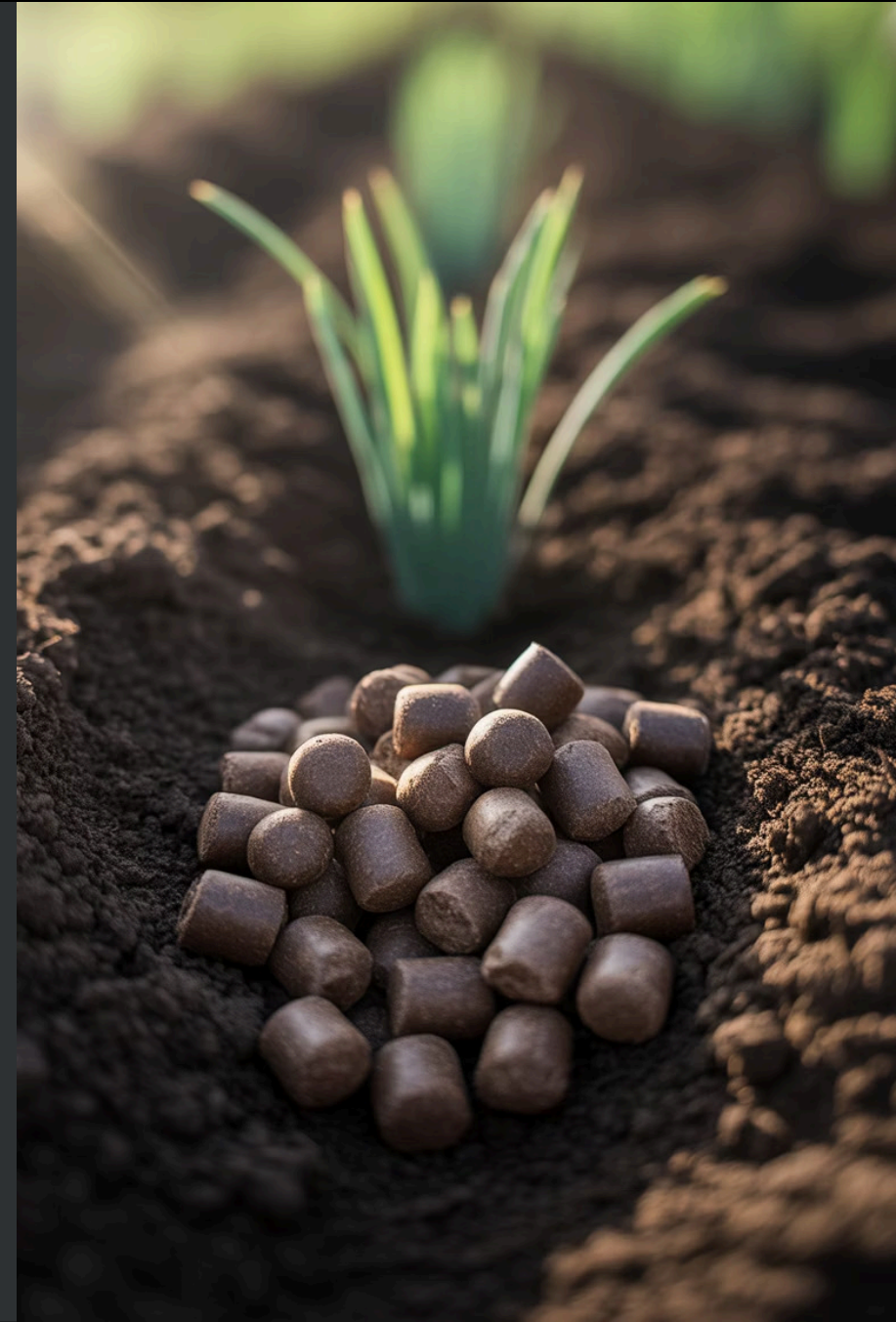
High-quality organic fertiliser, derived from sterilised poultry manure and compacted into pellets. It improves soil structure and provides essential slow-release nutrients.

- FER-FOR-ESAV-01: Sterilised Poultry Manure Pellets

2.2 Poultry Manure + Biochar (Pellets)

Innovative blend of poultry manure and biochar in pellet form. This combination enhances water and nutrient retention, increases microbial activity, and improves long-term soil fertility.

- FER-FOR-ESAV-BIO-01: Poultry Manure + Biochar Pellets





3. Fertilisers

Fertilisers are fundamental elements in modern agriculture, designed to nourish the soil and plants with the essential elements they need for optimal development and abundant harvests.

3.1 Simple Fertilisers

These fertilisers are characterised by providing a single primary nutrient in high concentration. They are ideal for correcting specific soil deficiencies or for satisfying the needs of a crop at a particular stage of its growth.

- Nitrogenous (e.g., urea, ammonium nitrate)
- Phosphatic (e.g., superphosphate)
- Potassic (e.g., potassium chloride)

3.2 Compound NPK Fertilisers

Compound fertilisers contain a combination of the three main macronutrients: Nitrogen (N), Phosphorus (P), and Potassium (K), in balanced proportions. They offer complete and versatile nutrition for various crop stages.

- Varied proportions (e.g., 15-15-15, 8-24-16)
- Formulations adapted to specific crops and soils
- Available in granular or liquid formats

3. Fertilisers

Essential Nutrition for your Crops

Fertilisers are fundamental for replenishing soil nutrients, ensuring the vitality and productivity of crops. We offer a diverse range, from simple formulations to complex NPKs, adapted to each growth stage.

3.1 Simple Fertilisers

Simple fertilisers contain a single primary nutrient and are ideal for correcting specific soil deficiencies or for particular stages of crop development.

Nitrogenous

They boost vegetative growth, providing the essential greenness and vigour for leaves and stems. (FER-ADU-SIM-01)

Phosphatic

Crucial for the development of strong roots, flowering and fruiting, improving energy transfer in the plant. (FER-ADU-SIM-02)

Potassic

They improve fruit quality, disease resistance and water use efficiency, vital for overall crop health. (FER-ADU-SIM-03)

3.2 Compound NPK Fertilisers

Our balanced NPK formulations provide nitrogen, phosphorus and potassium in specific proportions, optimising comprehensive crop nutrition.

NPK 10-10-10

A balanced formula ideal for the start of the growth cycle or for general maintenance in various plants. (FER-ADU-CNPK-01)

NPK 20-10-10

With a higher nitrogen content, this is perfect for stages where strong foliar and vegetative development is required. (FER-ADU-CNPK-02)



International Logistics

The global distribution of fertilisers is a complex process demanding precision and rigorous compliance with regulations. Our international logistics chain ensures that your products arrive safely and efficiently at any destination, adhering to the highest standards of quality and sustainability.

1

Production and quality control

Each batch of fertilisers undergoes strict quality controls at the source, ensuring they comply with technical specifications and international regulations before dispatch.

2

Specialised storage

We utilise suitable storage facilities that preserve the integrity of the fertilisers, protecting them from moisture, contamination, and other factors that could affect their quality.

3

Documentation and certifications

We manage all necessary documentation, including export/import licenses, certificates of origin, safety data sheets (MSDS), and any other certifications required by the destination countries.

4

Multimodal transport

We optimise routes and modes of transport (sea, land, rail) to guarantee efficient and cost-effective delivery, coordinating each phase of the international journey.

5

Customs clearance

We have experts who streamline customs clearance processes at borders, ensuring compliance with tariffs and regulations to avoid unnecessary delays.

6

Final delivery

We coordinate the last mile of delivery to ensure that fertilisers arrive at their final destination safely, punctually, and in perfect condition, ready for use.



Certifications and Guarantees

At CARBOLYZ, our commitment to excellence, sustainability, and high ESG (Environmental, Social, and Governance) standards is reflected in the strict certifications and comprehensive guarantees that back all our products. We operate under principles of environmental, social, and corporate governance, ensuring that every fertiliser complies with the highest international standards, providing you with confidence and peace of mind in your agricultural investments.

Quality Certifications

All our fertilisers comply with national and international quality regulations, such as ISO 9001, ensuring rigorous production processes and consistent products that meet the technical specifications promised with every delivery.

Environmental and Sustainable Certifications

We prioritise responsible agricultural practices. Our products and processes are endorsed by environmental certifications (e.g., ISO 14001, Organic Certification for specific products) that guarantee their positive impact on the environment and biodiversity, promoting long-term sustainability.

Origin and Traceability Guarantee

We offer a full guarantee on the origin and traceability of our products, supported by laboratory analyses and detailed documentation. This ensures you know the complete journey of your fertiliser, from its source to your field.

Performance Guarantee and Technical Support

Our commitment does not end with delivery. We offer post-sales support, personalised agronomic advice, and continuous technical support to optimise your crop yield. We guarantee the effectiveness of our products and provide tailored solutions for your agricultural needs.

CARBOLYZ

AT YOUR SERVICE SINCE 2018

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Your strategic partner in the international trade of raw materials. With years of experience connecting markets and guaranteeing quality in every transaction.

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