

A close-up photograph showing a person's hand holding a small pile of light blue, spherical fertilizer granules. To the right, a young green seedling with two leaves is growing out of dark brown soil. The background is a blurred field of similar soil.

Crop Care

Lohtragon®

Crystallizing Solutions

Lohtragon® Crop Care – Mineral Salt Expertise for Plant Nutrition, Biostimulants & Crop Protection



- ◆ Successful harvests rely on good inputs and specific formulations
- ◆ **Lohtragon®** high-purity mineral salts as reliable raw materials for crop care formulations
- ◆ Suitable for plant nutrition, biostimulants, crop protection systems, and co-formulants
- ◆ Consistent **quality**, high solubility, and full regulatory documentation for industrial use
- ◆ Supports precise formulation work for blenders and manufacturers
- ◆ Provides essential building blocks for crop care – not ready-to-use products
- ◆ Decades of **manufacturing** expertise and know-how

Lohtragon® Crop Care – Your Partner in Performance

Custom mineral salt solutions **manufactured** to your needs through close **collaboration** and proven technical expertise.



Our Solutions for Your Crop Care

Lohtragon® mineral salts cover the full spectrum of crop care applications. From essential nutrients to formulation enhancers, our high-purity raw materials support reliable and efficient agricultural products.



Plant nutrition

We supply macronutrients and micronutrients in highly soluble and bioavailable forms. They are used by formulators to develop fertilizers that ensure consistent nutrient availability and support healthy plant growth.



Biostimulants

Certain inorganic salts can play a role in stimulating plant processes. We provide high-purity raw materials that allow customers to design biostimulant concepts in line with regulatory frameworks.



Crop protection

While we do not supply pesticides, our salts are integral raw materials and co-formulants in crop protection formulations. They contribute to solubility, stability, and safe application performance.



Co-formulants

We provide supporting substances that improve handling, shelf life, and formulation stability. Our salts ensure smooth processing and consistent performance in modern crop protection products.

Your Advantages with Lohtragon® Crop Care



High-purity raw materials:

Consistent quality and solubility ensure reliable formulations and stable end products.



Direct from the manufacturer:

Benefit from secure sourcing, flexible production, and over 140 years of mineral salt expertise.



Regulatory confidence:

Comprehensive REACH documentation supports compliance and smooth market access.



Flexible solutions:

Tailored grades, particle sizes, and solubility levels to fit your formulation needs.



Broad mineral portfolio:

From macronutrients to trace elements, easy access to the right salts for plant nutrition, biostimulants, and co-formulants.

Lohtragon® Crop Care – Mineral Salt Expertise for Plant Nutrition, Biostimulants & Crop Protection

The Lohtragon® Crop Care Portfolio

Plant Nutrition



These are the 12 macro- and micronutrients that Lohtragon® provides for plant nutrition. We supply them as high-purity mineral salts, available in different combinations with each other and with other salts.

[Click here to view our plant nutrition products.](#)

Nitrogen	Phosphorus	Potassium	Calcium	Magnesium	Sulfur
Iron	Manganese	Zinc	Copper	Molybdenum	Chloride

Biostimulants



There is a wide range of biostimulants on the market, but Lohtragon® focuses exclusively on high-purity mineral salts. Below you find the biostimulant nutrients we provide, available in different combinations with each other and with other salts.

Metal Salt	Feature	Benefit
Aluminium	<ul style="list-style-type: none"> Stimulates plant growth and root development Enhances flower coloration 	Longer lasting, more attractive crops
Selenium	<ul style="list-style-type: none"> Promotes plant growth Supports biofortification strategies 	Higher yields with better shelf life

Crop Protection



Our high-purity mineral salts are key raw materials for crop protection formulations, supported by solubility and regulatory documentation. Explore our **product finder** or **contact us** for tailored advice – we do not supply ready-to-use products or pesticides.

Co-Formulants



Lohtragon® offers a broad range of high-quality co-formulants for crop care applications. Access our **product finder** or **contact us** to discuss your specific requirements and identify the ideal solution for your formulation. We don't offer any ready to use products.

Lohtragon® Crop Care – Mineral Salt Expertise for Plant Nutrition, Biostimulants & Crop Protection

Case Study: Magnesium Nitrate – Efficient dual Nutrient Source for Formulators



Magnesium Nitrate, available as **Lohtragon® O41** in solid form and **Lohtragon® O51** as an aqueous solution, provides two essential nutrients in a single raw material. Magnesium plays a central role in chlorophyll formation and enzyme activation, while Nitrate Nitrogen is the most readily available nitrogen source for plants. By combining both elements in one salt, Magnesium Nitrate offers an efficient and versatile ingredient for fertilizer formulations.

The crystalline hexahydrate dissolves quickly and cleanly, ensuring reliable preparation of stock solutions, while the aqueous solution is stable, ready to use, and ideal for precise dosing. With its high solubility and consistent quality, **Magnesium Nitrate** supports clear formulations, stable blends, and efficient application. Designed for formulators and blenders, it enables the development of customized plant nutrition solutions that combine technical performance with practical handling benefits.

Case Study: Potassium Formate – Stable Co-Formulant for Crop Protection

Potassium Formate, offered as **Lohtragon® B71** in solid form and **Lohtragon® B91** as an aqueous solution, is a highly soluble, low-residue salt that strengthens the design of modern crop protection formulations. As a co-formulant, it contributes to pH control, ionic strength adjustment, freeze-point depression, and overall solution stability, ensuring that active substances remain easy to process, store, and apply without unwanted side effects. Its high purity and rapid solubility allow clear stock solutions and predictable handling, while consistent quality across grades and packaging formats secures supply reliability. Backed by EU REACH documentation and regulatory services, **Potassium Formate** offers a dependable foundation for formulators developing robust and compliant crop protection products.



Expertise that grows with you – Rely on Lohtragon® for Crop Care

Connect with us and develop your high-performance Lohtragon® Crop Care solution – tailored to your formulation needs and compliance goals!

Contact Us



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Lohtragon® – A Brand of Dr. Paul Lohmann®

For over 135 years, the company Dr. Paul Lohmann has been able to establish and maintain its leading position as an international manufacturer of mineral and metal salts that meet the highest quality standards. The product range includes over 400 different salts, from Aluminum to Zinc, in a total of over 7,000 different specifications. Dr. Paul Lohmann® supplies its specialty salts worldwide to customers in the pharmaceutical industry, food sector, food supplements, cosmetics and – under the Lohtragon® brand – to customers in industrial applications.

Lohtragon® stands for unique competences in manufacturing, optimizing and developing metal salts for a broad variety of industrial market segments. Established in diversity, tailor-made for you, your application and your process - our solution for your challenges!

Established Products

By choosing Lohtragon® products, you benefit from direct manufacturer sourcing and our “Made in Germany” quality and reliability promise.

Joint Developments

From concept phase to tailored product optimization, we are your partner to solve any development challenge.

Expert Services

Rely on services from our application technology, regulatory affairs, logistics, quality departments and more. We fully support you in all areas.