



## Information

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### Press kit

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## Numbers and Facts

The company focuses on research and development, production, consulting and sales.

The products based on humic substances offer environmentally friendly solutions not only for agriculture, but also in animal husbandry, environmental technology and industry.

Around 70 employees support the two managing directors Müfit Tarhan and Aydogan Cengiz, who took over the company's predecessor WESKO in 1999 and renamed it HUMINTECH GmbH.

Curiosity and a feeling for what is necessary characterise HUMINTECH: Whether it is a matter of making soils more fertile or making pigments more durable, purifying waste water or improving animal welfare - in our own research departments and together with long-standing research partners, these ideas have taken shape and are ready to be packed.

Produced, processed and certified in Germany.

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### Keywords

Material use of lignite (Leonardite) - Climate-friendly - CO2 sequestration - Humus formation - Waste water treatment - Groundwater protection - Emission reduction - Strengthening the plant-soil system - Securing the livelihood of farmers - Erosion protection

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# Questions and Answers

## Who is the HUMINTECH GmbH?

HUMINTECH GmbH is a German biotech company based in Grevenbroich, NRW. For more than 45 years the company has been developing products based on humic acids and other humic substances for agriculture, animal husbandry, environmental technology and industry.

The innovative strength of HUMINTECH is award-winning. The company has been honoured as a Hidden Champion and for three years in a row it has been included in the list of the 100 Top Innovators. HUMINTECH GmbH is considered a leading technology company for humic acid-based products.



## Since when does HUMINTECH exist?

The history of HUMINTECH began in the early 1970s with the efforts of WESKO GmbH & Co. KG to renaturalise the landscapes following the opencast lignite mining in the Rhenish mining area. Subsequently, PERLHUMUS<sup>®</sup>, an organic soil conditioner based on humic acid, first conquered the market.

At the end of the 1990s, Dipl.-Ing. Müfit Tarhan and Dipl.-Soz.päd. Aydogan Cengiz took over the company and changed its name to HUMINTECH GmbH in 2001. From then on, new fields of application for humin-based products were constantly being developed.



## What is HUMINTECH GmbH's philosophy?

*With tailwind into the future: proven knowledge meets modern research*

For more than 45 years, HUMINTECH GmbH has been solving problems by expanding long-established practical knowledge with the help of modern science and research. The fascination for the versatile potential of humic substances spurs the company to break new ground together with regional and international partners in order to be able to serve the needs of customers even more efficiently. As a pioneer and innovator, HUMINTECH is involved in various research associations and institutions in order to establish a humic acid knowledge network that is also to be made available to the public.

*No humus, no future*

Humic acids form the basis of plant life on earth. By returning them to nature where they bring ecological benefits, humic acids contribute to the preservation of healthy soils, plants, animals and people - around the world.



## What are humic acids?

Humic acids occur naturally in humus soils, peat and soft lignite. They are formed during the decomposition of organic matter in the soil (humification). Soft lignite, also called Leonardite, is the most important source of humic acids.

Quality on demand

HUMINTECH stands for tested quality – from the raw material to the end product. The company is proud to provide the right solution for individual needs. This also means: the customers only pay for what they really need.

Diversity? Of course! HUMINTECH stands for diversity.

The team communicates in twelve languages with partners and users from over 70 countries around the world. With its know-how it offers tailor-made, demand-oriented solutions for the individual problems of each customer – not only in agriculture.

Success through trust - trust through success

Trust and appreciation are integral parts of the HUMINTECH corporate philosophy. The employees appreciate the familiar working atmosphere: In 2018 HUMINTECH GmbH was awarded as TOP employer, in 2019 as Leading Employer. The company also carries this reliability to the outside world: HUMINTECH focuses on sustainable, economical and reliable solutions that benefit people and the environment equally.



### How does HUMINTECH actually research for its products?

In addition to research in the company's own laboratory and greenhouse, HUMINTECH GmbH works closely with research partners such as the Fraunhofer Institute and the Forschungszentrum Jülich. Extensive insights into the field studies of customers from all over the world and their evaluation round off the research. Thus, HUMINTECH GmbH itself creates the conditions for necessary and meaningful innovations.

### Which products does HUMINTECH GmbH offer?

#### *Agriculture*

The HUMINTECH GmbH produces soil conditioners, biostimulants and organic fertilizers in different variants. In addition to the basic product PERLHUMUS<sup>®</sup>, these include water-soluble humic acid salts such as POWHUMUS<sup>®</sup> and LIQHUMUS<sup>®</sup>. The main benefit is the improvement of the soil structure and the nutrient exchange between soil and plant. This makes the plant more resistant and more resistant to abiotic stress factors. In addition, the humus build-up is promoted.



#### *Animal husbandry*

Humic acids as a supplement to animal feed not only result in a higher live weight of the animals. They also improve growth rates, feed intake and the feed conversion ratio. The animals' resistance to diseases is also significantly increased.

## *Environmental Technology*

Humic acids are particularly suitable for the rehabilitation of difficult soils. They reduce erosion, counteract salinisation and increase the water retention capacity in sandy soils. Humic acids are also used in liquid manure treatment, as they absorb harmful gases and odours, for example.

## *Industry*

Potassium and sodium humates such as HUMIN P 775 and HUMIN S 118 improve concrete, cement and drilling fluids; they dye paper, clean water from toxic metals, are a component of ceramics and much more. Systematic research on humic substances has led to a constant stream of new practical applications - a process that HUMINTECH will continue to help shape *in the future*.



## **Social commitment**

Sustainability has many faces. These include not only an active contribution to environmental protection, but also a commitment to society. As a training company, HUMINTECH GmbH gives young people a solid career start in an internationally active company. Because entrepreneurial responsibility does not end at the company fence, HUMINTECH supports organisations and initiatives that are committed to people and nature and promotes art and cultural events.

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Thank you very much for your attention!