

BioGelFertilizer

Sustainable Nutrients from the Circular Economy

PRODUCT & SALES PRESENTATION

✓ 100% Organic & Natural

✓ Long-Term Effect (3-5 Years)

✓ No Heavy Metals or Contaminants

✓ Promotes Soil Life & Structure

www.klinikbedarf-sport.de | klinikbedarfhamburg@icloud.com | +49 151 59083298

Product Overview

BioGelFertilizer is a high-quality organic fertilizer produced as a by-product of gelatine manufacturing. Instead of discarding valuable protein-rich material, we transform it into a powerful, slow-release plant nutrient that improves soil health for years.



Key Product Facts

Composition	100% protein from gelatine production by-product
Nutrient Type	Organic nitrogen (slow-release)
Duration of Action	3-5 years depending on soil type
Water Savings	Up to 40% less irrigation needed
Certification	Suitable for organic farming
Production	100% manufactured in Turkey from Human Grade Raw Materials

How It Works

Soil microorganisms break down the protein-rich material gradually, releasing nitrogen and other nutrients in a plant-available form. This slow decomposition means:

- No risk of over-fertilization or root burn
- Continuous nutrient supply over multiple growing seasons
- Improved soil structure and water retention
- Enhanced microbial activity and soil biodiversity

Key Benefits & USPs

🌱 100% Organic & Natural
From gelatine by-product, no chemical modification

⏱️ Long-Term Effect
Nutrients released slowly over 3-5 years

🌍 Soil Improvement
Promotes humus, loosens structure, retains water

🪱 Promotes Soil Life
Feeds microorganisms that unlock nutrients

🚫 No Heavy Metals
Free of contaminants unlike mineral fertilizers

💊 No Antibiotics/Hormones
Completely residue-free product

♻️ Circular Economy
Utilizes gelatine production waste

💪 High Protein Content
100% protein as nitrogen source

⚖️ Low Over-Fertilization Risk
Slow release prevents overdose

✅ Organic Farming Approved
No restrictions for organic agriculture

The Main Advantage: Organic Nitrogen

Protein-rich fertilizer for healthy soil & strong plants

Nutrient Data & Facts

Nutrient	Content in Dry Matter
Nitrogen (N)	~40-60 kg N/ha at 3 t/ha application
Phosphorus (P2O5)	Approximately 0.7-1.2%
Potassium (K2O)	Approximately 0.5-1.0%
Protein Content	100%

Practical Application Example

Application Rate: 3,000 kg dry fertilizer per hectare

P2O5: 3,000 kg x 0.9% = 27 kg P2O5/ha
K2O: 3,000 kg x 0.7% = 21 kg K2O/ha

This covers approximately 1/3 to 1/2 of phosphorus and 15-20% of potassium requirement.

The main benefit is organic nitrogen for sustained plant growth.

Key Performance Metrics

3-5
YEARS
Duration of Action

40%
LESS
Irrigation Needed

100%
PROTEIN
Content

Laboratory Amino Acid Analysis

Sample No: GA260058 | **Date:** 02.2026 | **Method:** OGDY 2018 / Chromatographic | **Unit:** g/100g (w/w)

Free Amino Acids Profile

Total Free Amino Acids **3.79 g/100g**

Amino Acid	Result	Amino Acid	Result
Aspartic Acid	0.392	Valine	0.011
Glutamic Acid	<0.001	Methionine	0.670
Asparagine	0.818	Tryptophan	0.102
Serine	0.875	Phenylalanine	0.033
Glutamine	0.035	Isoleucine	0.021
Histidine	<0.001	Leucine	0.077
Glycine	0.213	Lysine	0.106
Threonine	<0.001	Sarcosine	0.008
Arginine	0.014	Citrulline	0.003
Alanine	0.068	Norvaline	<0.001
Tyrosine	<0.001	Hydroxyproline	0.107
Cysteine	0.168	Proline	0.066

Key Findings

- Highest concentrations: Serine (0.875), Asparagine (0.818), Methionine (0.670)
- Rich in essential amino acids including Methionine, Tryptophan, and Lysine
- Hydroxyproline (0.107) confirms collagen/gelatine origin
- Total free amino acids: 3.79 g/100g - high bioavailability for soil microorganisms

Analysis conducted per Turkish Regulation on Organic, Mineral and Microbial Fertilizers (Official Gazette 23.02.2018, No. 30341, Annex-19). Results apply to the sample as received. This report shall not be reproduced other than in full except with the permission of the laboratory.

Organic vs. Mineral Fertilizer

Criteria	BioGel (Organic)	Mineral Fertilizer
Origin	✓ Natural by-product of gelatine production	Chemically synthesized
Nutrient Release	✓ Slow, over 3-5 years	Fast, risk of leaching
Over-Fertilization	✓ Very low risk	High risk of root burn
Soil Life	✓ Promotes microorganisms	Can harm soil biology
Heavy Metals	✓ None	Often contains traces
Humus Formation	✓ Actively promotes	No contribution
Water Retention	✓ Improved (+40%)	No improvement
Organic Certified	✓ Yes, fully approved	No
Environmental Impact	✓ Circular economy, low CO2	High energy production
Long-Term Effect	✓ 3-5 years	Weeks to months

Conclusion: BioGelFertilizer outperforms mineral alternatives in every sustainability metric while delivering comparable or superior long-term nutrient supply.

Application Guide

When to Apply

- Spring (March-May): Ideal for new plantings and garden beds
- Autumn (September-November): Excellent for soil preparation over winter
- Can be applied year-round for established plantings
- Best results when worked into the top 10-15 cm of soil

Recommended Dosage

Application Area	Dosage	Frequency
Vegetable gardens	100-150 g/m2	Annually
Flower beds	80-120 g/m2	Annually
Lawns	50-80 g/m2	Every 2-3 years
Fruit trees	200-300 g/tree	Every 2 years
Agricultural (broadacre)	3,000 kg/ha	Every 3-5 years
Potted plants	5-10 g/litre soil	At repotting

How to Apply

1. Measure the correct dosage for your application area
2. Spread evenly across the soil surface
3. Work into the top 10-15 cm of soil with a rake or fork
4. Water thoroughly after application
5. Allow 2-4 weeks for microbial activation before planting

Pro Tip: For best results, combine BioGelFertilizer with compost or mulch. The organic matter creates an ideal environment for the microorganisms that break down the protein and release nutrients to your plants.

Champions League Pitch Quality

When you want to win the Champions League, you need a Champions League pitch.



PROFESSIONAL TURF MANAGEMENT

Why Elite Clubs Choose BioGelFertilizer

Professional football demands turf that withstands 50+ matches per season, daily training, and extreme weather. BioGelFertilizer delivers what synthetic alternatives cannot: deep root development, natural disease resistance, and a playing surface that recovers faster after heavy use.

Performance Advantages for Stadium Turf

Deep Root Growth
Protein-based nitrogen promotes 15-20 cm root depth - a stable, resilient surface that withstands tackles and sliding

Faster Recovery
Slow-release nutrients keep grass actively growing, repairing divots and worn areas between matches

40% Less Irrigation
Improved soil structure means dramatically lower water costs for match-day quality

No Chemical Residue
Safe for players in constant skin contact. No heavy metals, no antibiotics, no hormones

3-5 Year Effect
One application cycle sustains quality across multiple seasons, reducing groundskeeper workload

UEFA/FIFA Compliant
100% organic, no banned substances. Meets all international standards for professional surfaces

Championship Green Quality

When you want to host The Open, you need greens that perform like The Open.



PROFESSIONAL GREENKEEPING

Why Leading Golf Courses Choose BioGelFertilizer

Championship golf demands greens with consistent ball roll, uniform color, and resilience under heavy foot traffic. BioGelFertilizer provides the deep, even root structure that creates tournament-ready surfaces - naturally, without chemical dependency that degrades soil over time.

Performance Advantages for Golf Turf

Consistent Ball Roll
Uniform root density creates perfectly even putting surfaces with predictable speed and true roll

Deep Root System
15-20 cm roots anchor turf firmly, preventing divot damage on fairways and tee boxes

Drought Resistance
40% less irrigation - critical for courses facing water restrictions or sustainability targets

Disease Suppression
Healthy microbial soil life naturally suppresses fungal diseases like dollar spot and fusarium

Year-Round Color
Slow-release nitrogen maintains deep green color without growth surges that increase mowing

Chemical-Free Maintenance
No synthetic residues leaching into water courses - meets environmental compliance standards

Greens: 1,500-2,000 kg/ha | Fairways: 2,500-3,500 kg/ha | Pre-season application
Sustains championship-quality turf across the full playing season

Let's Grow Together

Ready to upgrade your turf, soil, or garden with championship-quality organic fertilizer?

REQUEST A QUOTE

Contact Us

Mobile: +49 151 59083298

Email: klinikbedarfhamburg@icloud.com

Web: www.klinikbedarf-sport.de

We Serve

⚽ Professional Football Clubs & Stadium Groundskeepers

⛳ Championship Golf Courses & Greenkeepers

🌾 Organic Farmers & Agricultural Operations

🌱 Hobby Gardeners & Allotment Holders

🏡 Landscape Architects & Horticultural Businesses

From by-product to plant food – natural & effective