APPLICATION**AREAS** as of

As of June 2, 2026

BIOLIT Sandilit®

Current status available here

Tel +43 5356 64 333 60 www.biolit-natur.com Email **info@biolit-natur.com**

Please note: We have expanded our product range for you.
- **BIOLIT Medium** plus (90% finer than 0.12 mm)
- **VGM** (volcanic rock dust) without lactic acid bacteria. Currently available in the following particle sizes: **Fine** (90% finer than 0.07 mm) and **Classic** (90% finer than 0.19 mm).

BIOLIT & SANDILIT—alkaline silicate volcanic rock powders and sands—contribute to soil revitalization and soil health, thereby promoting plant health.
All BIOLIT & SANDILIT products improve the chemical, physical, and biological properties of the soil and leaves.
In addition to supplying essential elements, the plant becomes more resistant to biotic and abiotic stresses.
In the soil, the rock powder promotes the formation of stable crumb structures, thereby ensuring optimal root growth.
Strengthened roots are better able to protect themselves from pests.

In the barn

Due to its fine texture and the microorganisms it contains, BIOLIT Fein plus is highly suitable as bedding in raised and deep-lit stalls, on rubber mats, in compost barns, manure cellars, slatted floors, etc.

Application rate: approx. 1.0 kg / livestock unit / day — **Product:** Biolit Fein plus or VGM fein

Manure treatment

BIOLIT Fein plus does not sink in the manure; it binds nitrogen (which suppresses odors), floating scum dissolves, the manure becomes more homogeneous and flows more freely, and the need to add water is eliminated. At the same time, the manure's environment transitions from putrefaction to decomposition, making it more suitable for plants. The application rate of BIOLIT is calculated based on the type of manure and the size of the manure pit and is blown in directly from the silo truck. Depending on the hauler, it is possible to fill big bags or blow the product into a silo before injection. A longer contact time is beneficial for environmental transformation, but the manure can also be applied immediately. Injection is possible once the manure pit is half full.

Application rate: Cattle manure	20–40 kg/m³ (depending on consistency)	**Product:**	Biolit Fein plus or VGM fein
Application rate: Swine manure	10–20 kg/m³	**Product:**	Biolit Fein plus or VGM fein
Application rate: Biogas digestate	10–20 kg/m³	**Product:**	Biolit Fein plus or VGM fein

Biogas

Add 1% BIOLIT Fein plus (based on dry matter) to the feed. The minerals enhance the activity of microorganisms at every stage of a biogas plant (improved process stability). For digestate treatment, add 10 to 20 kg/m³ of BIOLIT, depending on the consistency of the digestate. A longer contact time is beneficial for environmental transformation, but the digestate can also be applied directly. It is also possible to inject BIOLIT via the bypass of the slurry tank. Do not exceed the specified amounts.

Application for Animal Feed: 1% of dry matter	**Product:**	Biolit Fine or Medium Plus, VGM Fine or Classic
Application to digestate: 10–20 kg/m³	**Product:**	Biolit Fine Plus or VGM Fine

Pasture

We recommend applying BIOLIT-treated manure at a rate of 10–12 m³/ha. Alternatively or as a supplement, Sandilit Medium volcanic sand can be applied at a rate of 3–5 t/ha using a spreader (auger spreader, large-area spreader).

Application rate: 3–5 metric tons per hectare per year	**Product:**	Sandilit Medium or
Application rate: 1–2 metric tons per hectare per year	**Product:**	Biolit Fine or Medium Plus, VGM Fine or Classic

Field Crops

We recommend a combination: Application of 6–8 metric tons per hectare of Sandilit Medium or Sandilit Coarse volcanic sand (possible year-round). Exercise caution when spreading on growing crops; structural damage is possible due to the larger particles in Sandilit. During the growing season: Foliar application of BIOLIT Ultrafine Plus in combination with standard plant protection products or plant growth aids such as EM, humic acids, lime spray, tea, compost tea, trace nutrients, etc. 3–5 kg/ha of Ultrafine Plus mixed with your usual amount of water. 3–4 applications. Works very well on rapeseed, sugar beets, wheat, corn, potatoes, as well as specialty crops such as miscanthus, sorghum, peas, etc.

Application rate: 6–8 metric tons per hectare per year	**Product:**	Sandilit Medium or
Application rate: 2 metric tons per hectare per year	**Product:**	BIOLIT Fine or Medium Plus, VGM Fine or Classic
Application (foliar treatment): 3–5 kg/ha per application	**Product:**	BIOLIT Ultrafine Plus

Potato

Sandilit nearly completely eliminates the Colorado potato beetle and wireworms. BIOLIT and VGM can lead to increased yields. Various field trials with BIOLIT Fine Plus showed yield increases of over 30 percent.

Soil application: 10 metric tons per hectare	**Product:**	Sandilit Medium
Soil application: 3–4 metric tons per hectare per year	**Product:**	BIOLIT Fine or Medium Plus, VGM Fine or Classic

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Vegetables & Garden

Vegetable Production: We recommend applying Sandilit Medium at a rate of 6–8 metric tons per hectare for soil improvement. Exercise caution when applying to growing crops, as structural damage may occur due to the larger particles in Sandilit.
Foliar spraying with BIOLIT Ultrafine Plus at a rate of 3 to 5 kilograms per standard volume of water, depending on the crop.

Home Gardens:
It is important to work the product into the soil lightly. 200 g/m² is the standard dosage for light feeders; 300 g/m² for medium feeders; and 400 g/m² for heavy feeders, in each case per seeding or planting. Use 500 g/m² for patchy and/or yellow lawns. BIOLIT and VGM can also reduce mossy patches in the lawn.

Application on farmland:	6–8 metric tons per hectare per year	**Product:**	Sandilit Medium
Soil application:	200–500 g/m² (= 20–50 kg per 100 m²)	**Product:**	BIOLIT Fine or Medium Plus, VGM Fine or Classic
Foliar application: **Application**	Residential: 1 tbsp per 1 liter of water /	**Product:**	BIOLIT Ultrafine Plus

Compost

For home use, BIOLIT or VGM is added in layers to the compost pile or placed directly into the organic waste bin. The dosage depends on the moisture content of the organic waste; that is, the wetter it is, the more product should be added.
In large composting facilities, Sandilit or BIOLIT / VGM is applied directly to the compost piles using machinery. Routine turning ensures that our products are thoroughly incorporated and evenly distributed. When temperatures in the pile were too low, customers raised them to an optimal level by adding BIOLIT. This reduced the maturation time required to produce finished compost. For the operator, this also means a higher annual yield.

Application rate:	15–20 kg/m³	**Product:**	BIOLIT Fine or Medium Plus, VGM Fine or Classic
Application rate:	30–40 kg/m³	**Product:**	Sandilit Medium

Fruit Wine Hops

The following procedure has proven effective: Applying 6–8 metric tons per hectare of Sandilit Medium volcanic sand for soil improvement (possible year-round). Exercise caution when spreading over growing crops, as structural damage may occur due to the larger particles in Sandilit. During the growing season: Apply BIOLIT Ultrafine Plus via foliar spray: 4–6 kg/ha using your usual amount of water. Combining it with plant protection products or plant growth aids such as EM, humic acids, lime spray, tea, compost tea, trace nutrients, etc., is possible. For hops, use 7–10 kg/ha depending on plant size. Ultrafein does not settle out, does not clog the nozzles, and does not stick. It is important to always add Ultrafein to the tank last and slowly, and to keep the agitator running. Field practitioners report that they often remove the filter(s). Ultrafein certainly contains no particles that clog the pump or the nozzles. Rinse the sprayer with water after treatment.

Soil application:	6–8 t/ha/year = 600–800 g/m²	**Product:**	Sandilit Medium or
Application to soil:	2–3 metric tons per hectare per year = 200–300 grams per square meter	**Product:**	BIOLIT Fine or Medium Plus, VGM Fine or Classic
Foliar application: Hops:	4–6 kg/ha per application 7–10 kg/ha per application	**Product:**	BIOLIT Ultrafine Plus

Forestry

BIOLIT improves the mineral supply to forest soils and makes trees more resistant to beetles. For reforestation, use 1 t/ha of Sandilit Medium (in big bags or loose). For blowing in directly from the silo truck using a nozzle, use Sandilit Fine or Classic Volcanic Rock Powder (supplied loose only).

Application rate:	3–4 metric tons per hectare per year	**Product:**	Sandilit Fine or Medium
Application rate:	1 metric ton per hectare per year	**Product:**	BIOLIT Fine or Medium Plus, VGM Fine or Classic

Chickens

BIOLIT Fein plus as a bird bath. Fill a tub with approx. 10 cm of BIOLIT. Change weekly, or more frequently if particularly dirty. Overdosing is not possible. Alternatively, use Sandilit Medium.

Application rate:	25 kg (120 x 80 cm bird bath)	**Product:**	BIOLIT Fine or Medium Plus, VGM Fine or Classic

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