# Vitalisation and Plant Strengthening of Wine and Table Grapes with AMN® Products.

**AMN Natural Activ®-bio**
Vitalising Fertiliser 7-3-7.

Granulated, organic fertiliser. Contains active and beneficial mycorrhiza fungi and trace-elements.

- ✓ Increased stress-tolerance
- ✓ Improved nutrient uptake
- ✓ Enhanced water absorption
- ✓ Stimulation of the enzyme-metabolism
- ✓ Enlargement of the root surface

**AMN® BonaVita**
Organic Plant and Soil Additive

Manifold range of nutrients, found in primeval soils around the world.

- ✓ Ideal feed for young plants
- ✓ plant and soil strengthener
- ✓ Well absorbed by plants
- ✓ Vigorous, healthy and vivid plants
- ✓ Wetting agent
- ✓ Improves nutrient transport

**AMN® PowerFertiliser**
Organic and wholesome Nutrition

Liquid, organic fertiliser. Contains organic iron, plant extracts and homeopathy.

- ✓ Increased stress-tolerance
- ✓ Fast results
- ✓ Sustainable strengthening of plant and soil
- ✓ Well absorbed by plants
- ✓ Healthy growth
- ✓ Vigorous and vivid plants

**AMN® BioVit**
Organic Plant Strengthener

Containing a high concentration of garlic extract, amino acids, trace elements and micro-nutrients.

- ✓ healthy plants capable of resisting stress situations without any harm
- ✓ Suitable for all plant species growing open-air and in glasshouses.
- ✓ increases sugar levels in berries and fruits

**Fertilisation and strengthening:**

Already during planting in spring, replanting of damaged wine stocks as well as during sanitation of old stocks, we recommend the following strengthening measures for a quick and strong root formation, healthy development or soil sanitation and revitalisation.

- Initial fertilisation with ***AMN Natural Activ®-bio*****:** AMN Natural Activ®-bio is an organic granular fertiliser (7/3/7) containing beneficial mycorrhiza fungi that effectively increase the root surface.
- **Start watering with *AMN BonaVita®*** to directly promote the plant and soil organisms**.** [1-5 litres per 1000 litres of water and1000 m²]

  → ***AMN BonaVita®*** is also very successful in combination with conventional plant protection sprayings in order to increase yields and ensure a healthy growth [1-2l/ha]. Spray in the morning, ideally at 15° – 25°C. Good light conditions improve the nutrient uptake via the leaves.
- Use our ***AMN® PowerFertiliser*** (7/2/3) as subsequent foliar feed throughout the year.
- Adding ***AMN® BioVit*** (same dosage as *AMN BonaVita®*) to the conventional plant protection spraying visually increases the impact.

Preventive spraying application with *AMN® BioVit* of plants vulnerable to rust mites, vine rust mites, grape vine louse, wasps and earwigs.

**Application rate:**
2-4 application in an interval of 12 days, depending on temperature and announcement of warning service.
1.5-2.0l *AMN Biovit®* per hectare mixed with 300l of water.

**Application dates:**
- Last pre flowering
- First second flowering
- After grape closing
- Spray plants vulnerable to acid rot, 1–2 times in an interval of 8 days shortly before harvest.

**Application**:
- Spray or wet.
- Make sure that whole leaf and underside is wetted well.
- Apply at temperatures of 15-25°C.
- Ideally in the morning and during good light conditions. No harm of living beneficials.

**Important:**
*AMN® BioVit* is a concentrate and has to be mixed with water. For a successful treatment, please apply according to the following steps:
**1**. Fill tank with water.
**2.** Regulate **pH-value** of the water to **5.5 - 6.0** (e.g. through adding *AMN BonaVita®*, *VITANAL sauer/kombi,* fruit vinegar or citric acid)
**3.** Add ***AMN® BioVit*** *concentrate.*

**Ideal combination:**

***AMN® BioVit*** can be combined very effectively with ***AMN BonaVita®*** or **VITANAL sauer/kombi** (concentrate of trace elements made of wheat grain, not approved for organic farming).They regulate the pH-value of the water and promote the nutrient uptake via the leaves at the same time. They also prevent chalk stains and can be used as wetting agents.

**Hint:**

Together with all treatments, the homeopathic plant strengthener ***Biplantol® agrar*** (0.2ml per litre of water) in rotation with ***Biplantol® mykos V forte*** (0.2ml per litre of water) **should be added**. These homeopathic agents regulate fungal attacks and visually vitalise the plant. The plant's nutrient uptake gets improved as well.

P As per: 17/02/16
All information and application recommendations are to the very best of our knowledge, based on our experience and research. The recommendations do not imply a guarantee. No liability for damages due to improper handling.
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