

ALFA BOOST®

ALL-IN-ONE



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ALL-IN-ONE

FLOWERING BOOSTER, ROOT STIMULATOR,
ENZYMES, VITAMINS, MICROORGANISMS
& MORE ...

- Alfa Boost is a booster and growth stimulator. In addition to Alfa Boost, you will need a fertiliser to ensure a supply of nutrients, or alternatively, very nutrient-rich soil.
- Alfa Boost has an incredibly broad spectrum of effects. It promotes root growth, accelerates maturing, increases crop yield and prevents salination, to name just a few of its properties.
- In addition to Alfa Boost, you can of course also use a root stimulator, flowering accelerator, PK booster (such as PK13/14), or similar plant additive.
- Alfa Boost has no significant influence on EC value, as it contains only very small amounts of micro and macronutrients.
- It should be noted that Alfa Boost has a very low pH value and will therefore lower the pH value of the water used for watering.
- To get the best from your plants, we strongly recommend adding molasses and other booster products containing sugar to your plants in combination with Alfa Boost.
- Microorganism preparations and enzymes are no longer required when using Alfa Boost, as Alfa Boost already contains various microorganisms and enzymes.

ALFA BOOST®

ALFA BOOST

is an all-in-one plant booster, designed to support the plant at every stage of its development. Starting with the germination of seeds and the rooting of cuttings, through the growth and flowering phase, to the harvest and even beyond.



ALFA BOOST (1L)
All-In-One plant booster

COMPOSITION

ALFA BOOST is a blend of selected microorganisms and herbs which combined have incredible positive effects both on soil and plant.

It is produced in a relatively long manufacturing process in which certain selected herbs and plant parts and with the addition of bacterial and fungal cultures are fermented over a period of two months. Through this long fermentation process, the added microorganisms

drastically increase in number. Furthermore they produce vitamins, enzymes and antioxidants throughout this process and unlock all the active substances in the herbs and plants.

Since Alfa Boost is very fluid it may look like it consists to a big part of pure water. But in fact bacterial and fungal cultures make up more than 95% of Alfa Boost and these microorganisms consist of 95% water themselves.

... COMPOSITION

Alfa Boost has a very high concentration of microorganisms and is very rich in physiologically active, plant-based ingredients, vitamins, enzymes and antioxidants.



100%
VEGAN



MANUFACTURING PROCESS

To get all the benefits of the live microorganisms in Alfa Boost, we don't stop the fermentation artificially by pasteurization nor through the adding of preservatives, – which, in one way or another, would be harmful to the environment and furthermore kill off all the

useful and good microorganisms in Alfa Boost.

Other manufacturers often add heavy metals to their products to preserve them and prevent fermentation, which of course is harmful to the health of the user, the plant and last but not least the consumer as well. Unlike competing products, Alfa Boost is a living product. In the production of Alfa Boost all raw materials are fermented until the

fermentation comes to a natural end by itself. Before Alfa Boost is bottled and sealed airtight, it is filtered gently and without pressure, so that it not only can be applied via watering, but also via spraying. Airtight and stored cool, the microorganisms in Alfa Boost fall into a dormant state, whereby the microbes, as well as all other active ingredients, are preserved for virtually unlimited time.

As soon as Alfa Boost is opened and exposed to air, the bacterial and fungal cultures will awake from dormancy and come to life. When they are put into soil or sprayed on plants they begin to unfold their incredibly versatile, almost wondrous effects.

INGREDIENTS

The ingredients of Alfa Boost include, as already mentioned, bacterial and fungal cultures, enzymes, vitamins and antioxidants, produced during the fermentation process, and a variety of herbal ingredients from neatly selected herbs and plants. All raw materials used are sourced from German and Austrian manufacturers, they are certified organic and either come from wild harvesting or organic

farming. The bacterial and fungal cultures used are not genetically modified and are not detrimental to human health but, on the contrary, beneficial. The active substances contained in Alfa Boost - all of which are derived from vegetable raw materials through natural fermentation - include various plant-physiologically active substances such as:

AUXINES

which occur in large quantities in willows, have a general promoting effect on the plant and in addition stimulate the growth of cell division, the fruit-birth and in particular the root growth of the plant.

CYTOKININS

stimulate cell division and, in interaction with other phytohormones (in particular auxin here again) and environmental factors (such as light) regulate a variety of plant growth and differentiation processes. They also make the plant more resistant to various pathogenic bacteria.

GIBBERELLINS

promote the germination process by stimulating the mobilization of the energy stored in the seed and thereby accelerating the breakage of germ dormancy. In conjunction with auxin, gibberellins ensure larger flowers and fruits.

ABSCISIC ACID

plays an important role in the stomatal breathing and develops its supportive and regulating effect, especially in adverse environmental conditions, such as drought stress, heat stress and salt stress, as well as cold stress.



ACCELERATES

flowering, plant growth and germination of seeds



OPTIMIZES

nutrient uptake and prevents salinisation

* TRIACONTANOL

has such an overwhelming effect on the growth and overall development of the plant that it indirectly is eponymous for Alfa Boost. It is obtained from us by the addition of the alfalfa herbs, hence the name Alfa Boost.



TRIACONTANOL *

is a growth stimulant and is used to improve plant growth and yield. It accelerates the metabolism, provides for lush and larger flowers and fruits and thus increases the yield.

SILICA

is abundant in horsetail and stinging nettles, strengthens the cell walls and has a preventive effect against sucking and biting insects, as well as against powdery mildew.

SALICYLIC ACID

which is present in large quantities in willows, but also in alfalfa and stinging nettles, generally supports the plant in the situations of stress, such as in cases of repotting or during dryness.

BRASSINOSTEROIDS

which occur naturally in large quantities in sticky catchfly (*lychnis viscaria*), promote the plant's own resistance, vitality and health. This makes plants more resistant to pathogens, but also to air pollutants and electric smog. Stressed and weakened plants are strengthened, similar as with salicylic acid. Same as the auxins, brassinosteroids also promote root growth. This improves nutrient uptake and results in a stronger and healthier plant.

VITAMINS, ANTIOXIDANTS

Alfa Boost also contains vitamins that strengthen the plant in a variety of ways and antioxidants have the ability to neutralize free radicals, protecting the plant from oxidative stress.



INCREASES

the yield and germination rates of seeds



STRENGTHENS

the plant's immune system and resilience

MICROORGANISMS AND SOIL

The microorganisms contained in Alfa Boost - including various strains of lactobacilli and cyanobacteria, as well as different types of yeasts – unfold their particularly versatile spectrum of activity in the soil, as well as in and on the plant.

Already during fermentation, they produce enzymes that act as biocatalysts and accelerate physiological processes in the soil and in the plant. In addition, they generate

enzymes for the plant individually according to their needs, if they are needed.

They live in symbiosis with the plant, producing innumerable substances needed by the plant during its life cycle for optimal development. In return they get carbohydrates from the plant as compensation.

These symbiotic microorganisms create an uplifting, positive environment in the soil that suppresses any putrefactive bacteria and pathogenic fungi. They immediately convert dead roots into useful substances, such as enzymes, vitamins and antioxidants.

Furthermore they stimulate the root and especially the hair root growth of the plant and release agents (gibberellins, cytokinins) that support plant growth and stimulate the development of plant roots. This interaction of microorganisms and plant-physiologically active substances such as brassinosteroids and auxins ensures a strong and very well-developed root system, which in turn means that the plant can utilize nutrients efficiently,

salinisation is minimized and the plant grows overall healthy and strong. After all, the foundation for a healthy plant is a healthy root system, whose prerequisite is again a healthy, living soil.

Bacteria and fungi in Alfa Boost ensure that organic and mineral nutrients are better absorbed. In addition, they also produce, from these nutrients, complex molecules for the plant, and thus relieve the plant from this task which in turn saves energy that the plant can now invest in the growth and the production of flowers.



APPLICATION

Regular watering and spraying with Alfa Boost enhances the plant's natural defense system. They are being strengthened from the inside and outside which makes them less prone to pests and diseases.

Good bacteria and fungi in Alfa Boost populate the plant surface where they create an environment that is unattractive to pests and

makes it impossible for pathogenic fungi and bacteria to gain a foothold.

Plants watered and sprayed with Alfa Boost are less susceptible to mold and can be stored better postharvest. We recommend - but only as a precautionary measure to avoid being held responsible for incorrect application in case of mold infestations - spraying only until the third week of flowering.



GERMINATION OF SEEDS



ROOT GROWTH OF CUTTINGS



TRANSPLANT



GROWTH PHASE



FLOWERING PHASE

However, it has been shown that spraying the plants once a week with a very fine mist of Alfa Boost will have a very positive effect on the overall development of the plant.

Until the third week of flowering, plants could be sprayed dripping wet, but after the third week Alfa Boost should be applied only as a fine mist. Likewise, after harvesting, the plant is sprayed with a fine mist of Alfa Boost before being hung up to dry. This improves the shelf life of the crop and reduces the risk of mold.

Basically, Alfa Boost can be combined with all - both organic and mineral - fertilizers.

As manufacturer we primarily recommend the use of organic fertilizers, as these do not harm the microbial cultures in Alfa Boost. Applying Alfa Boost in combination with organic fertilizer helps to exploit the full potential of both the fertilizer and the booster. Of course it is also possible to use organically pre-fertilized soil to achieve the same excellent results. In such a case Alfa Boost can also develop its full potential.

FERTILIZATION

As real herbs and plants are fermented in the production, Alfa Boost contains all micro- and macronutrients in traces. As the name implies, Alfa Boost is a plant booster, but it does not contain any significant amounts of nutrients. In order to ensure the optimal development of the plant, it is therefore essential that the plant, aside from using Alfa Boost, is supplied with vital micro- and macronutrients.

... APPLICATION

Alfa Boost can also be used in combination with mineral fertilizers or minerally pre-fertilized soil, as well as can be used in coco, hydro- and aero systems.



	plant growth		flowering							
Week	1	2	3	4	5	6	7	8	9	10
Alfa Boost	2 ml	2 ml	4 ml	4 ml	6 ml	6 ml	8 ml	8 ml	10 ml	10 ml
base fertilizer	Dosage acc. to the manufacturer's indications									

(all indications per 1 liter)

In these cases, Alfa Boost drastically improves and optimizes the effect of the fertilizer. Although the mineral nutrients damage the microorganisms contained in Alfa Boost, this is almost completely compensated by the regular use of Alfa Boost.

To guarantee best results, Alfa Boost is applied during every watering no matter if you use an organic or mineral fertilizer. This ensures that the good microbes are always predominant in the medium, which is absolutely essential to obtain a healthy plant.

Alfa Boost can be used on soil, coco as well as hydro- and aerosystems. In the case of hydro- and aerosystems you mustn't use any organic fertilizers. The living microorganisms in Alfa Boost would ferment the organic nutrients, leaving the solution unsuitable for further usage. Same applies to organic nutrient solutions in tanks which should never stand for no longer than 24 hours, as otherwise they would also start to ferment.

ALFA BOOST®

INCREASES YIELD

STRENGTHENS THE PLANT

ACCELERATES GROWTH

PREVENTS SALINISATIONS

ALL-IN-ONE

ALL ORGANIC

OPTIMIZES NUTRIENT UPTAKE

PROTECTS AGAINST DISEASES

IMPROVES THE SOIL CONDITIONS

MINIMIZES STRESS

100% ORGANIC



grow great  GrowsArtig®



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