

GROWING SUPPLIES

Aqua System

The original Aqua System by AHOH is a simple and efficient hydroponic system which allows perfect results without any special growing skills. The system can be extended with a water reservoir (Controller) which makes it easy to distribute the nutrient solution in all of your units at once.

Aqua System contains two pots placed one inside another and all necessary hoses, tubes and joints, as well as a small compressor which provides the watering and oxygenates the nutrient solution. Aqua System is designed for home growing.



Lightrail 4.0 Intelli Drive

Simply hang the growing lamps on the Lightrail and set the time of delay at each end of the rail. You can also choose the speed at which the lamp is moving. By doing this, you will be able to lighten about 50% greater area without any increase in your electricity costs as the motor of Intelli Drive consumes only 5 watts.

With Intelli Drive you can also move several lamps at once. For further extension, the "Add-A-Lamp" device which includes another Lightrail and fitting for hanging, is available.

Advanced Coco XL

This growth medium has been specially made to grow flowers, and allows for optimal growth and harvest. The products are easy, fast and lightweight, made ready by just adding water to the coco bricks.

It delivers an easy flow of oxygen, holding water better than other soils with a better growth of roots. Free of salts, smells, rocks, roots or other impurities.



INTRODUCTION

Advanced Hydroponics of Holland is a traditional manufacturer of liquid fertilizers and nutrition supplements for plant cultivation. Our fertilizers are suitable for any kind of growing media and you can always be sure that you are providing your plants with well-balanced and efficient nutrition. Maximizing your harvest and its quality is our mission. We help you do this by providing you with our specialized three part Dutch Formula nutrient.

Using Dutch Formula means you can give your plants exactly what they need at the different stages of their life cycle. Advanced Hydroponics has developed Dutch Formula nutrients, based on more than 25 years of experience in growing and working in close co-operation with leading research institutions. Dutch Formula is very easy to use and by following the clear instructions on the label, you will receive excellent results. As your experience level develops, you will quickly get the 'feel' on how to fine-tune your own specific combination and strengths of the three part Dutch Formula, especially with the Grow and Bloom. The three highly concentrated nutrients will provide the perfect power diet for an amazing harvest.



User experience

Shantibaba from Mr Nice Seed Bank would like to give professional instructions how to use Dutch Formula from Advanced Hydroponics of Holland, outdoor and indoor.

"We have been using Dutch Formula for all our indoor mother rooms, clone rooms and greenhouse grown flowers since it was developed back in the early 1990s in Holland by founder Jay Jackson.

In our 18 hour rooms where we keep our prized mother and father plants for over 30 years, we have never had any problems and all plant health has been maintained excellently. The results have always been very satisfying no matter which medium we use."

GROW SCHEDULE

	GROWING STAGE	FLOWERING STAGE	END OF FLOWERING STAGE	FINAL STAGE
WEEK	1 - 2 - 3	4 - 5 - 6	7 - 8 - 9 - 10 - 11	12 - 13
 1 GROW	1 ml*	2 ml	1 ml	
 2 BLOOM	0.5 ml*	1 ml	2 ml	3 ml
 3 MICRO	0.5 ml*	1 ml	1 ml	1 ml
 ROOT SIMULATOR	1 ml			
 ENZYMES +	1 ml	1 ml	1 ml	
 GROWTH/BLOOM EXCELLARATOR		1 ml	1 ml	
 FINAL SOLUTION				1 ml

Add to 1 litre Water / pH 5.8-6.2 / * Week 10+ depending on the plant's variety / * For soil half strenght

Thanks for growing with us, for more information ask your local growshop or contact us:

Advanced Hydroponics of Holland B.V.
Johan Enschedeweg 98
1422 DR Uithoorn
The Netherlands

+31 297 363404
info@advancedhydro.com
www.advancedhydro.com
/advanced_hydro
/advancedhydroponicsofhollandofficial



**Advanced
Hydroponics
of Holland**
since 1993

Come grow with us



DUTCH FORMULA PRODUCTS



The recommended combination of Dutch Formula 1, 2 and 3 during the 18 hour vegetative stage is the best guarantee for high quality results and strong, healthy plants with lush green leaves.

Dutch Formula Grow creates the ultimate conditions for crop production during the growing stage. You should stop the application of Grow between 21 and 30 days after your plants have entered the twelve hour flowering phase. The flowering stage is the productive part of the plant's life.

Dutch Formula Bloom is a "power diet" for the flower production. Bloom assures that your plants will receive the correct balance of nutrients to encourage the optimum growth of superior quality flowers. You will see that Micro is the secret for success, supporting the crop during their complete life cycle.

Dutch Formula Micro consists of a strong nutrient mix of chelated micro elements, in combination with unique pH buffers, therefore providing extra power and stability for growth. Dutch Formula can be used for all substrates. The application of Dutch Formula goes beyond hydroponics systems. Earth growers and coco growers have seen a substantial increase in their harvests by using Dutch Formula.

Grow

This part of the plant food enables the plants during the growth phase to take up all the important components. This will show through the new growth; the leaves are strong dark green and the plants will have healthy roots. Because of the fast and healthy state of the plants in this phase, all conditions are created for an optimal bud production in the flowering phase.



Bloom

This part of Dutch Formula stimulates and increases the bud production in the flowering phase, where large and heavy buds will develop and an optimal THC production is guaranteed.



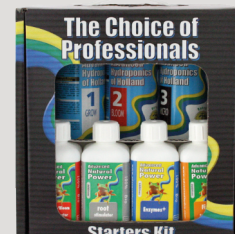
Micro

This part of the Dutch Formula is the key to your success. This component contains all essential micro elements. You will not find any other nutrient as concentrated as our Dutch Formula. In the vegetative and flowering phase Micro ensures that the plants can always absorb sufficient micro elements that are so needed.



Starters Kit

For starting growers or people who like to test our Dutch Formula products in combination with our Natural Power additives, we also provide our Starters Kit. A box filled with small quantities of all the needed products to complete the stages in our growing schedule. Perfect to get to know our products and to start growing. Check out our growing supplies to finalize your setup.



NATURAL POWER PRODUCTS



Advanced Hydroponics of Holland has created Natural Power, the revolutionary new line of 100% biological additives.

Finally, the natural link between nutrients and healthy plants is established. Natural Power is a powerful cocktail of essential natural ingredients that will provide your plants with an extremely high immune system.

The increased resistance prevents diseases and fights off damage caused by mites, trips and other insects.

Using Natural Power from Advanced Hydroponics will result in healthier and stronger plants, abundant flowering and higher yields with a perfect natural taste. All of the products are ideal for indoor and outdoor cultivation and show excellent results on earth, coco, rockwool and hydroponic systems.

Root stimulator

Original Root stimulator is used by many regular growers. The tissue formation is applied directly in the roots area or where the roots are beginning to form. Thanks to the stimulator, roots develop faster and are much stronger. By cloning, the roots will appear to be up to 50% faster.

- For seedlings and cuttings without roots
- Provides a natural high immune system and increase resistance against diseases
- Stimulates the root development and improves the health of plants
- Use from day 1 until you have a well developed root system
- Recommended in combination with Enzymes⁺



Enzymes⁺

A natural enzymes component of the Natural Power line activates beneficiary micro organisms in the growing media, this helps to remove sedentary salts and to decompose dead roots. It improves the plants ability to absorb the nutrients and allows healthy development. The Enzymes⁺ need to be added to the watering during most of the growing stage.

- Enriched with a cocktail of herbs
- Improves and reinforces the root environment of your plants
- Speeds up the breaking down of the waste material in your root system
- Activates micro life and improves better absorption of nutrients
- Improves oxygen flow
- Recommended in combination with Root stimulator and Growth/Bloom excellarator



Growth/Bloom excellarator

The Growth/Bloom excellarator boosts primarily the formation of green matter and flowers. It's suitable for continual adding to the watering and also helps to solve problems with plant ailments and pests. The product can be added to the watering during the entire growing period except for the last 1 or 2 weeks, depending on the strain.

- For plants with a well-developed root system going into flowering cycle
- Using this powerful cocktail results in explosive flower production
- Strengthens the high immune system
- Prevents diseases and fights damage of mites, trips and other insects
- Recommended in combination with Enzymes⁺



Final solution

During the last 1 or 2 weeks before harvest, depending on the strain, it is advisable to water the plants without added fertilizers in order to obtain as pure of a final product as possible. Final solution helps to decompose and remove the last residue of fertilizers in the growing media, it also works as a prevention of mold. It can be used with any kind of growing media as the only agent to be mixed in the water.

- Flushes out the excess build up of nutrient and plant waste
- Higher quality and increased yield
- Compact flowers
- Enhances a natural clean taste
- Helps prevent mold
- Do not use in combination with Enzymes⁺



ADDITIVES



PH ADJUSTERS

pH⁺ and pH⁻ are concentrated agents to reduce, or to increase, the acidity of the nutrient solution.

With the right degree of pH the plants are able to absorb the maximum amount of nutrients contained in the watering.

For pH adjusters during the growth period, use the pH⁺ or pH⁻ Grow adjuster. During the bloom period, use the pH⁺ or pH⁻ Bloom adjuster. We recommend pH level between 5.8 and 6.2.

pH Grow is used during the growing stage to reduce the pH level.

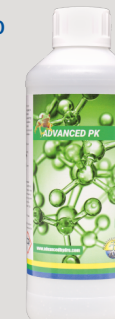
pH Bloom is used during the flowering stage to reduce the pH level.

pH Up is used in growing and flowering stage to increase the pH level.

Advanced PK

Advanced PK is a high-quality fertilizer with a balanced Phosphorus-Potassium ratio and is an excellent addition to the bud shaping, length of flowering and fruit development phases. In addition to the fundamental basic-nutritional minerals for healthy growth, Phosphorus and Potassium play an important role during the flowering phase and fruit development of the plant.

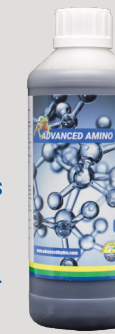
Phosphorus gives the plants more energy (sugars) for the development of an active and healthy root system and Potassium improves water transport, whereby all flower buds can fully grow out. The combination of Phosphate and Potash in Advanced PK is rightly called a "top bloomer" and is therefore an essential link in every flowering and harvesting phase.



Advanced Amino

Advanced Amino is an optimal biostimulant for more energy and vitality. Through an enzymatic (natural) hydrolysis and micro-filtering, the active, biological amino acids are directly available to the plant. Growth and flowering are improved under all circumstances and the plants become more resilient in a natural way: more efficient photosynthesis, better CO₂ absorption, less sensitive to stress factors, fuller flowering and fruit production and better root activity.

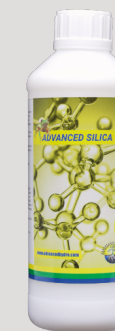
Advanced Amino has the highest content of free and absorbable amino acids, is suitable to all crops and can also be combined with solid and/or liquid fertilisers. It is especially recommended when the plants need an extra energy boost: e.g. in the starting phase - during sufficient leaf area, shortly after pruning, during high irradiation (assimilation lighting) and during the phase of bud and fruit development.



Advanced Silica

Advanced Silica contains a high-quality, silicon dioxide solution SiO₂ (hydrolysed silicon): this is an easily absorbable and important nutrient, which strengthens the cell wall and epidermis of plants. More natural (plant-specific) defences against fungi and protection against infections are therefore achieved.

The high concentration of silicon (orthosilicic acid) in Advanced Silica is easily absorbed by the plant, both via leaves and roots. Various studies have shown that plants thrive must better in a silicon-rich soil. Silicon also stimulates the absorption of other nutrients, e.g. phosphorus, which gives the plants more energy as well as active, healthy roots with more vigour and therefore a much better yield.



The choice of professionals