GOLD LABEL
SUBSTRATES & NUTRIENTS

Guaranteed low in heavy metals

# Gold Label Premium Hydroponic Substrates




## Gold Label 60/40 Mix RHP/KIWA

Mixed Hydroponic Substrate, Hydrocorn and Coco are the ideal match for high water capacity, lower watering frequency and better rooting.




## Gold Label 80/20 Mix RHP/KIWA

Mixed Hydroponic Substrate, Hydrocorn and Coco, more clay for more intensive irrigation and water contents between the courses.




## Gold Label Coco RHP/KIWA

Single hydroponic substrate, premium coco peat, washed and buffered in The Netherlands. The finest quality, with raw fibres for more capillary action.




## Gold Label Hydrocorn RHP/KIWA

Single Hydroponic Substrate, Hydrocorn 8–16mm Clay Pebbles, with it's unique irregular surface for better root pruning and development.




## Gold Label Hydrocorn XL RHP/KIWA

Single Hydroponic Substrate, Hydrocorn 16-25mm Clay Pebbles, large sized and more air availability for better root pruning and development.

# Introduction

Welcome to Gold Label, market leaders in manufacturing substrates in Holland for many years. A family run business dating back three generations.

Gold Label Special Mix Substrates has a long history of innovation and quality certification. Our professional substrates and nutrients are the result of using the finest materials in the market. We keep on innovating and developing our products as the market changes to ensure they meet expectations of our worldwide customer base.

***Gold Label proudly presents our range of Premium hydroponic substrates with guaranteed low heavy metal contents!***

All washing and buffering processes and production methods are processed in the Netherlands, with the utilization of clean public water and materials, particularly done under accreditation of The Netherlands local authorities (RHP/KIWA).

This guarantee a clean and premium product for safe cultivation and human health, therefore Gold Label is registered approved for sale and distribution in California State.

*Gold Label is authorized to manufacture, distribute or sell in California the products listed below.*

*Gold Label Coco / Gold Label HydroCoco / Hydrocorn XL / HydroCoco 60/40*

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## Gold Label Substrates

# Certification

**Kiwa**
Kiwa is a worldwide operating quality assurance firm that assists organizations in comprehensive certification procedures. Special Mix is the only peat substrate with Kiwa certification. Kiwa does regular inspections of all facilities and samples production material to assure constant high quality. **www.kiwa.nl**

**RHP**
In The Netherlands the RHP foundation is responsible for the certification of substrates for consumer and horticulture. If you buy RHP certified substrates, the complete process from base material to production and storage is guaranteed. There are two main RHP labels, one for consumers and one for horticulture. Substrates and substrate components that carry the RHP Quality Mark for Horticulture satisfy the highest chemical and physical requirements and are low in weeds and free of pathogenic germs. This is all to guarantee a safe and reliable application to the grower. The RHP Quality Mark guarantees quality, stability and crop safety. **www.rhp.nl**

kiwa
NL - CERTIFIED SUBSTRATES
K46009

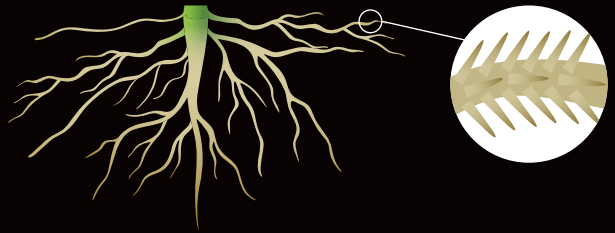
RHP
*Certified for*
**Horticulture**

# Why pores and irregular shaped clay-pebbles?

Gold Label has the longest experience producing clay pebbles especially for hydroponics purpose.

Only the highest quality clay and specific baking processes make the Hydrocorn 8 - 16 and 16 - 25 mm a perfect substrate for plants.

Water and elements are absorbed by the plant's root hairs, therefore it's important the plants get a lush wig with extensive roots. Gold Label Hydrocorn are irregular shaped clay pebbles. They will give roots grip which promotes development of root side hairs. Side hairs enables the roots to absorb water and all essential elements. More side hairs, more absorption.



*The root hairs are magnified in this picture. You can see that the root hairs are very small outcroppings of the lateral roots.*

*The absorption of water and minerals in the roots are mainly made in the root hairs.*



# Single Hydroponic Substrates

## Coco RHP

Gold Label Coco is manufactured using mainly the raw fibers from the husk of the coconuts originating from the inlands. Coconuts originating from the shore sides have a higher salt content. The sun-dried coco coir is transported to the EU where washing and buffering processes are take place. All processing done in an environmental friendly way and under the supervision of the RHP / KIWA local authorities.

The result, a clean, stable and certified plant-substrate guaranteed clean and free from pests... guaranteed low in heavy metals!

Your preferred certified substrate!




## Hydrocorn & Hydrocorn XL RHP

Gold Label Hydrocorn is manufactured using the best quality pure clays. Baked in clean fuels, which guarantee low heavy metals or other contaminates.

'Gold Label Hydrocorn, the only clay pebble on the globe that carries the RHP for Horticulture certificate'.

Hydrocorn is a recognized plant-substrate, with its unique irregular and porus structure it provides grip for roots and surface for beneficial biologic life. The open structure allows water retention of the pebbles, even up to 15% of its weight.

Suitable for both flood and top irrigation systems.

Hydrocorn 8 - 16 mm
Hydrocorn XL - 16 - 25 mm

Again a clean, stable and certified plant-substrate, guaranteed clean and free from pests... guaranteed low in heavy metals!






# Mixed Hydroponic Substrates

## HydroCoco 60/40

This mix is created as a bullet proof mix for eb / flood systems, but can be used with any other potting systems. 60/40 is an ideal match of water capacity and lower frequent irrigations at the same time.

Hydrocorn-clay (60%) for better rooting and Coco RHP (40%) for water retention and essential capillary action.

The 60/40 mix allows less frequent irrigations than with single clay-pebbles and provide a water buffer between the irrigations.




## HydroCoco 80/20

Hydrocorn-clay (80%) and Coco RHP (20%), similar components, different strategy. 80/20 allows more air surface for the roots, more grip and less water retention. Suitable for more intensive irrigation program.

This new mix allows the cultivator choosing a media adapted to the watering program of its preference in order to achieve the highest possible results!




## 60/40 Mix Grow Slab 12L

Gold Label Grow Slabs are easy, Plug & Play grow trays for hydroponically cultivation.

Just cut the bottom parts for drainage and plug in your system for automated irrigation.



# Gold Label Nutrients




## Gold Label Dry Soluble Fertilizers

The philosophy behind Gold Label Nutrients is simple: Use the best possible professional ingredients and make it adaptable to every style of growing.

### Easy soluble

Gold Label Dry Soluble nutrients are a perfect mix of high quality, easy soluble components with added chelated Ca (calcium) and chelated trace-elements that makes Gold Label Nutrients the perfect balanced fertilizer for your plants. With a  less vulnerable environment  for pH fluctuations, a better change for superior yields and better crop quality.

We have developed 4 Dry Soluble fertilizers:

**Gold Label Soil A**, base fertilizers for all stages of development.

**Gold Label Soil B**, base fertilizers for all stages of development.

**Gold Label Ultra MG** additive for nitrogen(N) and Magnesium(Mg) boost.

**Gold Label Ultra PK** additive for more (P) and (K) boost.

### Comprehensive nutrition program

For optimized plant growth development and yield quality Gold label established a dedicated nutrition program based on the needs of the plants in the different phases. Consult your area Gold label representive at **info@goldlabel.nl** or **www.goldlabel.nl**

# Macro and Micro Elements

**B** **Boron:** Ensures proper cell wall, important for proper root development and promotes calcium and phosphorus absorption.

**Fe** **Iron:** Essential for nitrogen fixation, important for proteins, an oxygen carrier in the production of chloroplasts (chlorophyll).

**Cu** **Copper:** An essential element in enzymes important for the formation of chlorophyll. It contributes to protection against harmful fungi and bacteria.

**N** **Nitrogen:** Essential for growth of all green parts of the plant, prevents ageing, the plant will continue to develop.

**P** **Phosphorus:** Important for roots and bloom development. The plants use phosphorus throughout the whole cycle.

**Ca** **Calcium:** The element Calcium has an important role in the media, it neutralises the acidity in the media.

**Mn** **Manganese:** Important for the chlorophyll formation, accelerates the development of the plant and improves the germination.

**Mo** **Molybdenum:** It is important in the creation of necessary enzymes and amino acids in the plant.

**Zn** **Zinc:** Essential for chlorophyll production and photosynthesis, important for metabolism in the roots.

**K** **Potassium:** Important for water uptake (osmoses), transportation in the plant and it contributes to the strength of the plant.

**Mg** **Magnesium:** For production of Chlorophyll (green leaf cells) which is essential for photosynthesis. Magnesium has a beneficial effect on the growth quality of plants.

**S** **Sulphur:** Promotes production of plant proteins and amino acids, it has a beneficial effect on the water balance.