



























Third B2B event on Multifunctional Olive Systems

Beirut - February 16th, 2023

The idea

LIVINGAGRO

 OLIVE PREDICTOR is an array of devices that enables every producer and within a few minutes to ensure that they harvest at the best time and achieve the optimal yield and quality of olive oil especially regarding the content of the beneficial components of the European health claim and in particular the content of oleocanthal and oleacein <u>BEFORE</u> going to the olive mill.





















Approved health claim 432/2012



- The European union since 2012 has approved a health claim for the phenolic ingredients of olive oil based on extended clinical trials:
- 5 mg per day of specific phenolic compounds offer protection against the oxidation of cholesterol



Healthy cardiovascular system



Healthy heart



healthy aging

CLINICAL STUDIES related to olive oil phenolics have proven:

- Protection against chronic inflammation
- Protection against high cholesterol
- Protection against high blood sugar
- Protection against neurodegeneration (Alzheimer, multiple sclerosis)
- Protection against high blood pressure
- Protection against several types of cancer

Forestas Agentais frestale regionale pro silvaligu de su territoria e de l'ambiente de sa Sandigna Agentais forestale regionale por la sviluppo del territorio e dell'ambiente della Sandegna SardegnaForeste











Phenolic compounds of olive oil:

Oleocanthal
Oleacein
Oleuropein aglycon
Ligstroside aglycon

The Problem

 One of the biggest problems that producers face every year anxiously is finding the most suitable harvest season to achieve olive oil with health claim and good yield.

The optimal harvest season differs from year to year depending on:

- Climate conditions
- Olive variety
- Geographic region
- Type of soil

 The external appearance and color of the fruit cannot serve as a safe criterion and often leads to misjudgments and wrong decisions



Great loss in olive oil yield or great loss in the contents of beneficial phenolic ingredients











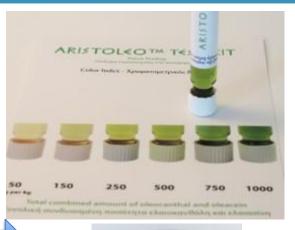


Mill Mixer-malaxer

The solution

Centrifuge





ficaled Identifies High Phenois Co.



The subunit of the device based on ARISTOMETER is already fully developed in the framework of the INTERREG MED ARISTOIL program and allows the digital measurement of oleocanthal and oleacein content based on the ARISTOLEO test and the MELLIOU-MAGIATIS color reaction.

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60 min

Audience-target

- In Greece: 600.000 small-medium scale producers and >2000 olive mills.
- To date we have certified olive oils for health claim from >5000 producers from 15 countries. These are the direct customers who would definitely like to do at least one test (up to dozens of tests) before harvesting each year.
- The continuously increasing number of clinical and laboratory studies demonstrating the **importance of phenols for health** are sure to increase the demand for olive oils rigin phenols and especially in oleocanthal in the international market.















The competition

- There is nothing similar in the market except for individual or very expensive systems that only partially perform what OLIVE PREDICTOR does, such as an olive oil content meter (eg SpectraStar) or mini-mills (eg ABENCOR).
- The innovation offered by this device is the interconnection of the processes that take place in an olive mill with the measurements that can be made in a chemical laboratory.
- The results provided by the OLIVE PREDICTOR to the producer allow him to have full control of his production based on the <u>real potential of the fruit</u> and not on empirical assessments or manipulations of each mill.
- Conversely, this device enables the miller to know exactly the material he is using in order to produce the best possible result.
- Each device will have the ability to serve hundreds of producers per day at a very small cost (500 euro for the digital analyzer + 12 euro consumables per sample).













Social and environmental benefits

- Environmental benefits: Fruit loss and waste generation from failed productions are minimized
- Social benefits: It will benefit the small producer by achieving an increase in the value of his product without costly tests or failed productions.
- An olive oil with a health claim undoubtedly has a higher bulk price than an oil of unknown phenol content.
- OLIVE PREDICTOR will improve the relationship of trust between the olive grower and the olive mill as the yield and quality will be known in advance.













Hundreds of producers in Greece, Cyprus, Italy, Croatia, Spain, Albania, Montenegro have used the digital instrument (AISTOMETER) for the measurement of the phenolic content of their oil through the ARISTOIL project and then certified the health claim of their oil through the World olive center for health







Successful application















Next steps

- We are looking for partners willing to install the complete device or only the digital ARISTOMETER in chemical laboratories or olive mills throughout the world.
- The project is funded through the non-profit organization Wolrd Olive center for health.
- World Olive center is offering certification of the EU health claim to thousands of producers all over the world









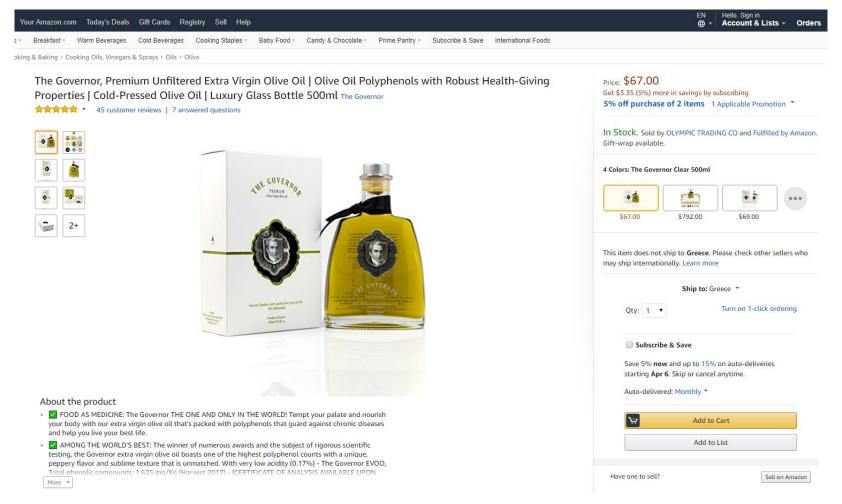








Successful examples of olive oil brands that are using the EU health claim in their label



From 2 euro per Kg (bulk) to Amazon 67\$ for 0.5 L





PhenOLIV Protect®



Product Description:

PhenOLIV Protect is a Natural Food Supplement using the Extra Virgin Olive Oil (EVOO) from our trees with the highest level of polyphenols. Over the past years we have refined our harvesting and production process to greatly increase the level and profile of polyphenols in our olive oil. Some of the most important phenols (oleocanthal and others) are "created" during the olive mill process and are not available in other forms of olive based supplements.

The EVOO we use for PhenOLIV Protect is carefully analysed and the polyphenols are preserved in the most natural way to ensure that our olive oil has a high level of polyphenols throughout its life. Based on its natural ingredients PhenOLIV Protect contributes to:

- · the protection of blood lipids from oxidative stress
- · the protection of cells from oxidative stress
- · the maintenance of normal blood cholesterol levels
- · the normal functioning of the immune system

In order for the benefits to apply 10ml (9.15g) of PhenOLIV Protect should be consumed daily.

Food supplements should not be used to replace a healthy balanced diet. Recommended daily allowance should not be exceeded without first consulting your doctor. This product is not intended for the treatment of diseases. Consult your doctor if you are pregnant, breast feeding or taking medication. Store in a cool dry place away from humidity. Keep away from children. The expiry date is only valid for products with intact packaging and stored correctly.

Poison Control Number: +30 210 7793777

National Organisation for Medicines Notification Number: 111258/11-12-2017 The Notification Number does not require a circulation number from the National Organisation for Medicines.

Available in: 200ml bottles with dosometric lid



Nom du produit

Q



ACCUEIL

PRODUITS PAR CATÉGORIE



!! LES BONNES AFFAIRES €€!!

Acides gras essentiels

Alimentation naturelle

Anti-âge - Antioxydants

Aromathérapie

Articulations - Os - Muscles

Circulation

Détoxication

Digestion

Energie - Magnésium

Enfants - Ados

Equilibre acide-base



CardiOlea - Hydroxytyrosol - 200 ml

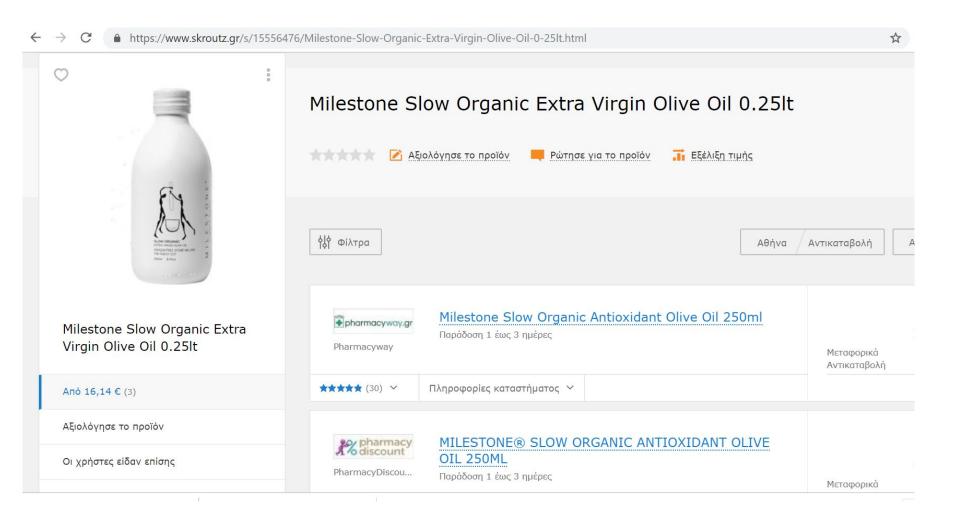
Huile d'olive vierge extra, avec un titrage d'Hydroxytyrosol 20x plus élevé qu'une huile d'olive classique!

20,37 € incl. TVA hors frais d'expedition

1,02 € / jour

Ajouter à ma commande

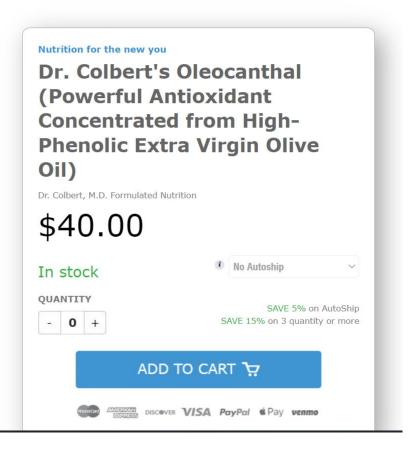
| Indications | Definition | Conseils d'utilisation | Recommandations | Conservation | Composition | |
|----------------------|------------|------------------------|--|--------------|-------------|--|
| Indications patients | | • Contrib | Contribue à la protection des lipides sanguins contre le stress oxydatif | | | |





Divine Health Supplements Shop Dr. Colbert's Oleocanthal (Powerful Antioxidant Concentrated from High-Phenolic Extra Virgin Olive Oil) »



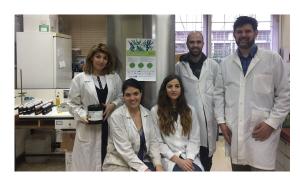








You are welcome to participate



The team

- Coordinator: Prokopios Magiatis, Associate professor,
 Department of Pharmacy, University of Athens (NKUA), Greece.
- NKUA: Dr. Eleni Melliou, Panagiotis Diamantakos, Aimilia Rigakou, Christos Papanikolaou, Annia Tsolakou
- DEMOKRITOS: Dr. Giorgos Stavropoulos
- ARISTOLEO LTD: Athan Gadanidis
- ARISTOIL CAP: Dr. Nikos Krimnianiotis
- Magiatis-Melliou: 1st award of innovation in Greece 2016.





















BEST INTERREG MED project for 2019













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