

NEWSLETTER

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Plant Focus : The Lapacho

Tabebuia impetiginosa, popularly known as "pau-d'arco", "lapacho" or "taheebo", is a neotropical tree that grows in Mexico, Central and South America. For thousands of years, it has been used in the traditional medicine of South American indigenous tribes as a decoction of the tree's inner bark to treat various bacterial and fungal infections, fever, malaria, stomach and bladder disorders.



In the 1960's, scientific research focused on it, particularly for its anti-tumor effects. Since then, many studies have highlighted the multiple properties of lapacho extracts, attributed to two main bioactive components or their derivatives: The lapachol and the β -lapachone.

- **Stimulation of the immune system.**

In 2016, two Japanese researchers measured a significant increase in immune functions compared to the use of a placebo.

- **Anti-viral properties.**

In 2010, specialists highlighted the antiviral effect of lapacho on human herpes viruses.

- **Anti-microbial properties.**

Several studies tend to show that the preparation has anti-microbial properties against certain bacterial strains including *Mycobacterium tuberculosis*, *Helicobacter pylori*, *Staphylococcus*, *Clostridium* (etc.) and *Candida* yeast strains.

- **Anti-tumor properties.**

Although anti-tumor activity has been demonstrated, The traditional preparation of lapacho has been abandoned to focus on synthetic lapachol derivatives but also active against tumor cell lines.



Nowadays, Lapacho generates a worldwide craze for its many properties. Researches, although focused on human medicine, show that it is a very promising preparation and its fields of application can extend to animal feed.



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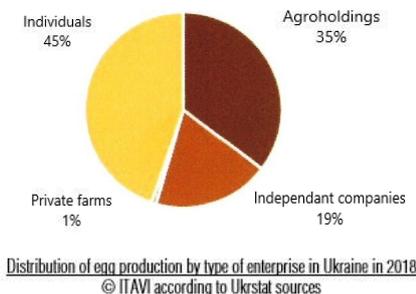
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Export Focus : Ukraine and the egg-laying poultry industry

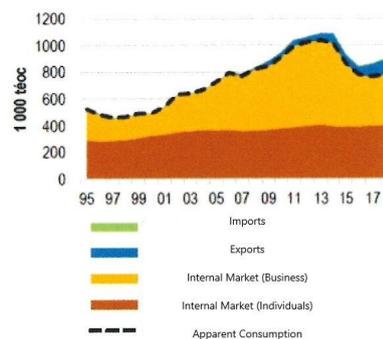
Located on the eastern border of the European Union, which it is not a part of, Ukraine still deserves its nickname of "The Granary of Europe". This country, whose area is comparable to France, for about 44 million inhabitants, is a land of contrasts and constant changes resulting from a relatively recent economic and agricultural history. Following the fall of the Soviet Union in 1991, the country underwent an overhaul of its agricultural system until the end of the 1990's. Today, the ukrainian economy is dominated by agriculture and food processing, which respectively account for 8.7% and 8% of its GDP.



The ukrainian laying hen population in 2020 was about 100 million heads compared to the french one of about 40 million. The eggs and egg products sector in Ukraine had been developing rapidly since the late 1990's, with the emergence of majors sectorial groups called Agroholdings. Although these large groups and other private entities account for more than 55% of egg production, the remaining 45% is the result of local and small-scale production. This represents approximately 15 billion eggs for the year 2020, a decrease of 1.3% compared to the previous year.

Following the events of 2014, which saw Russia interfering in Ukraine's political and geographical affairs, the majority of egg and egg product exports are destined for Europe, the Near and Middle East. For the year 2020, egg exports have decreased by 18% mainly due to the global sanitary context.

Despite Ukraine's difficulties in managing various health crises such as the avian flu crisis of 2020, efforts are being made by national bodies and professional groups to create and impose a national "no antibiotic use" label. These concerns are at the heart of our company's philosophy, as animal welfare and final consumer's health are in our line of sight.



Production, trade and apparent consumption of eggs and egg products in Ukraine, 1995—2018.
© ITAVI according to Ukrstats and UNComtrade



R&D Focus : Petfood, here we come !

The recognition and effectiveness of plant-based products in the agricultural world are now indisputable. EUROTEC'H decides to make its range of professional products available to the general public for the well-being of our pets. On this occasion, we introduce Optifix, a liquid complementary feed based on horsetail and harpagophytum extracts (see previous newsletter), glucosamine and MSM for the joint comfort of ageing animals.

This way, our know-how can be put to good use for our four-legged friends !

Bibliographical references and sources used in the creation of this newsletter are available on request.

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