

LEMON

KEY INFORMATION:

NAME:

Family: Rutaceae

Scientific name: Citrus x limon

Common names: Lemon

CLIMATE CONDITIONS:

Lemon trees, which present high sensitivity to low temperatures and humidity, take about 5 and 8 months to grow from planting to harvesting.

On the other hand, the fruit becomes more resistant and that is why its life is longer than other citrus fruits.

CROP SEASON:

January · February · March · April · May · June · July · August · September · October · November · December

FINO-PRIMORFIS												
EUREKA												
VERNA												

MAIN PRODUCTION AREAS:



Due to its Mediterranean climate with periods of droughts followed by rain,

SPAIN IS THE FIRST EXPORTER OF LEMON FRUIT

and the fourth producer one (8,4% of global total production).

Nationally, Murcia (59%), Alicante (27%) and Malaga (12%) are the regions with more lemon trees growing fields.

HOW MUCH DO YOU KNOW ABOUT LEMON FRUIT?

Q1. A journey in time

The origin of this fruit is said to be related with Assam, a region located in north-eastern India, where lemon trees have grown for more than 2500 years. Despite what is thought, initially lemon were just cultivated as an ornamental plant.

In the eleventh century, lemon trees were introduced in Spain and by the year 1150 they became widely cultivated throughout many Mediterranean regions.

Lemon name appeared between the years 1350 and 1400 as a derivative of the Arabic word "laymūn" and the Persian one "līmūn".

In 1493, Christopher Columbus brought it into America where it began to be also used as a medicinal plant thank to its health benefits.

Around 1800, it started to be used as food ingredient after its interesting properties in cooking and flavouring were discovered.

Q2. Varieties of lemon

There are many varieties of lemons. The most important Spanish ones are Verna and Fino. Verna's production is the highest one and represents around 654,000 tons (70% of total production).

Both, Verna and Fino varieties, are grown mainly in Alicante and Murcia regions, around the Segura river located in the south-eastern Spain.

Fino, rich in essential oils, has a spherical - oval shape with a smooth and thin peel that ends in a short pedicel. Its pulp is juicy but has just few seeds. The tree is vigorous and has many thorns.

Verna variety is a fruit of medium-large size, with a well-developed pedicel. As opposed to Fino, its peel is somewhat thick, rough and irregular. Its inner is tender, and its juice has adequate acidity.

Eureka variety is the most cultivated outside the Mediterranean area, like in Asia and South America regions. This lemon contains few seeds and its juice has a high level of acidity.

Q3. The sailors' secret

Although it was already widely used as an antidote for poisons and as a preventive of epidemics, this fruit became very precious for sailors during the eighteenth century.

Thanks to the high content of vitamin C, crews used the lemon fruit to combat scurvy, a disease caused mainly by the lack of this vitamin.

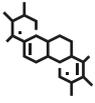
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LEMON FRUIT'S BENEFITS



Antioxidant activity

Vitamin C
Citrus flavonoids



Bones Health & Dental Care

Vitamin C
Citrus bioflavonoids: Anti-inflammatory



Natural Preservative

Vitamin C: Fights against oxidative stress
Citric acid



Cancer Prevention

Vitamin C



Healthy skin

Vitamin C: Prevents wrinkling & acne



Eye Health

Vitamin C



Kidney Stones

Citric acid: Helps dissolve
kidney stones



Healthy brain function

Vitamin C: Prevents stroke
Vitamin B6



Smooth Digestion & Swelling

Citrus flavonoids: Anti-inflammatory
Citric acid: Prevents constipation and
treats indigestions



Circulatory System

Vitamin C: Helps in the
absorption of iron
Citrus flavonoids:
Circulation and
haemorrhoid support



Immune Health Support

Vitamin C: Aids prevent and treats cold
and flus
Citrus flavonoids: Antimicrobial and
antiviral activity
Vitamin B6



Prevention of Cardiovascular Diseases

Vitamin C
Citrus flavonoids
Vitamin B6: Promotes formation of red
blood cells

FROM GARDEN TO TABLE

Bordas has a long tradition in the elaboration of citrus and others fruits and vegetables derivatives.

As we have our own cultivated lands, every step in the production processes is controlled exhaustively by our control department, guaranteeing the traceability and the highest quality of each organic and natural product.

CANDIED · CELLS · COMMINUTES
CONCENTRATED · DEHYDRATED
JUICES · PEELS · PULPS · PUREES
SLICES · WHOLE FRUITS &
VEGETABLES

APPLICATIONS



FOOD

Fresh food
Preserved food
Frozen food
Pre-cooked convenience food
Pre-prepared convenience food



SWEETS & PASTRY & BAKERY FOOD

Breads
Sweets
Mermelades & Jams
Goodies

HIGHEST
QUALITY
SOLUTIONS
TO DIFFERENT
INDUSTRIES



DRINKS

Water
Refreshing Drinks (Sodas, juices...)
Alcoholic beverages



PHARMACEUTICAL PRODUCTS

Medicines
Over-the-counter products
Sports Supplements



ANIMAL FEED & WELFARE

Feed
Drinks
Veterinary products
Supplements



CHEMISTRY

Chemical Fertilizers



COSMETICS & TOILETRIES

Oral care products



BABY FOOD & CARE

OUR COMMITMENTS

Bordas' historical goal is to create a positive footprint and added value to the environment and the wider society.

Our company is well-known by its strong commitment with the quality of its organic, natural and nature-identical products, its personalised services and its Corporate Social Responsibility.

In addition, the new and the most pressing challenges that our world need lead us to strengthen our approach and awareness of sustainability issues. For this reason and embracing our responsibility, we have established sustainability as a core axis of our vision and strategy, having created ethical protocols and integrated comprehensively the

principles of a Sustainable Development which includes continuous improvement actions.

Our high level of engage involve the general attitude and behaviours of all the stakeholders in our organisation, both internally and externally.

BORDAS ACTIVITIES MEET ALL THE DEMANDS AND INTERNATIONAL STANDARDS TO QUALITY, THE ENVIRONMENT AND SOCIAL RESPONSIBILITY.

SUSTAINABLE DEVELOPMENT

Our strategic framework has been developed with the purpose of respecting and protecting our the environment, producing our own energies and reducing wastes.

Due to our highly engage, we have stretched our horizons in order to ensure a comprehensive and lasting change in our world.

Bordas' industrial facilities counts with sustainable buildings with photovoltaic panels and a last-generation wastewater treatment plant that allows the supply of water in an uninterrupted manner in our factory.

CORPORATE SOCIAL RESPONSIBILITY

Since our company was founded in 1922, there have been two general principles that have characterized our company regarding Social Ethics: The safeguarding of Social Responsibility and the compliance with national and international requirements and laws in those countries in which we develop our business activities.

At Bordas, we focus strongly our efforts on promoting health, safety, no-discrimination and honest work conditions to our employees and local communities in where we operate.

QUALITY COMMITMENT & CUSTOMER SATISFACTION

Our customer-oriented philosophy, great expertise and know-how, are factors that make us able to meet closely our customer needs, and to develop innovative tailor made solutions to each project with the highest quality and operational excellence, enhancing customer satisfaction.

Every solution is created following and getting ahead of the olfactive trends, continually exceeding the most daring expectations with winning projects.

DISCOVER WHAT BORDAS CAN DO FOR YOUR BUSINESS:



If you need any further information, please, feel free to contact our Fruit Derivatives Department:

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Sedex

