

BITTER ORANGE

KEY INFORMATION:

NAME:

Family: Rutaceae

Scientific name: Citrus aurantium

Common names: Bitter orange or Sour Orange

CLIMATE CONDITIONS:

Bitter orange trees, whose fruits have thick and dimpled skin, need warm climates for a successful growing. They can tolerate high temperatures if the soil is well moisture.

MAIN PRODUCTION AREAS:

Bitter orange trees are grown throughout the Mediterranean region. Seville, in Andalucía, is the world's largest producer of Bitter Orange due to its warm and soft weather; followed by Córdoba; another Spanish city.

CROP SEASON:

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

CITRUS AURANTIUM
BITTER ORANGE
SEVILLE



HOW MUCH DO YOU KNOW ABOUT BITTER ORANGE FRUIT?

Q1. The sustainable power of Bordas' Bitter Orange Trees

Bitter Orange Trees absorb and break down most of the major air pollutants. Bordas own bitter orange trees lands annually absorb 2.640.000 kg of CO₂.

Q2. The fruit colour

The colour of a Bitter Orange fruit is determined by the degradation of both chlorophylls: chlorophyll a and chlorophyll b, and the increase of the total carotenoid content during the ripening. Both processes, are directly related to the temperature, humidity and luminosity conditions.

Q3. The Royal Family's weakness

Gastronomically, sour oranges are too bitter for fresh consumption. While the raw pulp is not edible, Citrus aurantium is highly used to

produce compotes, orange-flavoured liqueurs such as Curaçao, Cointreau or Orange wine, and to make confectionary products like pastries, creams, tarts and chocolates.

But above all, Sevillian oranges - when preserved in sugar - are traditionally prized to create homemade marmalade, usually taken by British Royal Family Members during breakfast.

Q4. The secret of its peel

Citrus peels are sources of functional ingredients called citrus flavonoids which have wide biochemical activities. Citrus Bioflavonoid Complex and Neohesperidin, which are environment friendly products, are naturally found in the Bitter Orange Peel. Both have health-related properties for human and animal beings like antioxidant and anti-inflammatory capacity.

Bordas produces tailor-made Citrus Bioflavonoid Complex and Neohesperidin DC, which are also widely used as flavouring or bittering enhancer, and as natural preservatives for food stuffs.

Moreover, Citrus Bioflavonoids Complex is used in bioagriculture as plant biostimulant due to its capacity to promote healthy growth.

All these scientifically proven benefits and properties make citrus flavonoids interesting for many business fields as beverage, candy and food industries, pharmaceutical and nutraceutical purposes and in organic agriculture production.

BITTER ORANGE FRUIT'S BENEFITS



Anti-inflammatory
Citric acid: Prevents constipation



Boosts Immunitary system
Vitamin C: Common cold
Vitamin B6
Citrus flavonoids: Antimicrobial and antiviral activity



Cardiovascular diseases
Vitamin C: Helps lower high blood pressure
Citrus flavonoids
Vitamin B



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



Aids digestion process
Citric acid: Prevents constipation



Prevents cancer
Vitamin C



Antioxidant activity
Vitamin C
Citrus Bioflavonoid Complex



Healthy brain function
Vitamin C: Prevents stroke
Vitamin B6



Natural Preservative
Vitamin C: Fights against oxidative stress
Citric acid



Antimicrobial activity
Citrus Bioflavonoid Complex



Kidney Stones
Citric acid



Loss Weight
Polyphenol Antioxidants



Healthy skin
Vitamin C: Prevents wrinkling & acne



Improves bones health
Vitamin C



Eye Health
Vitamin C

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:

CONTACT

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