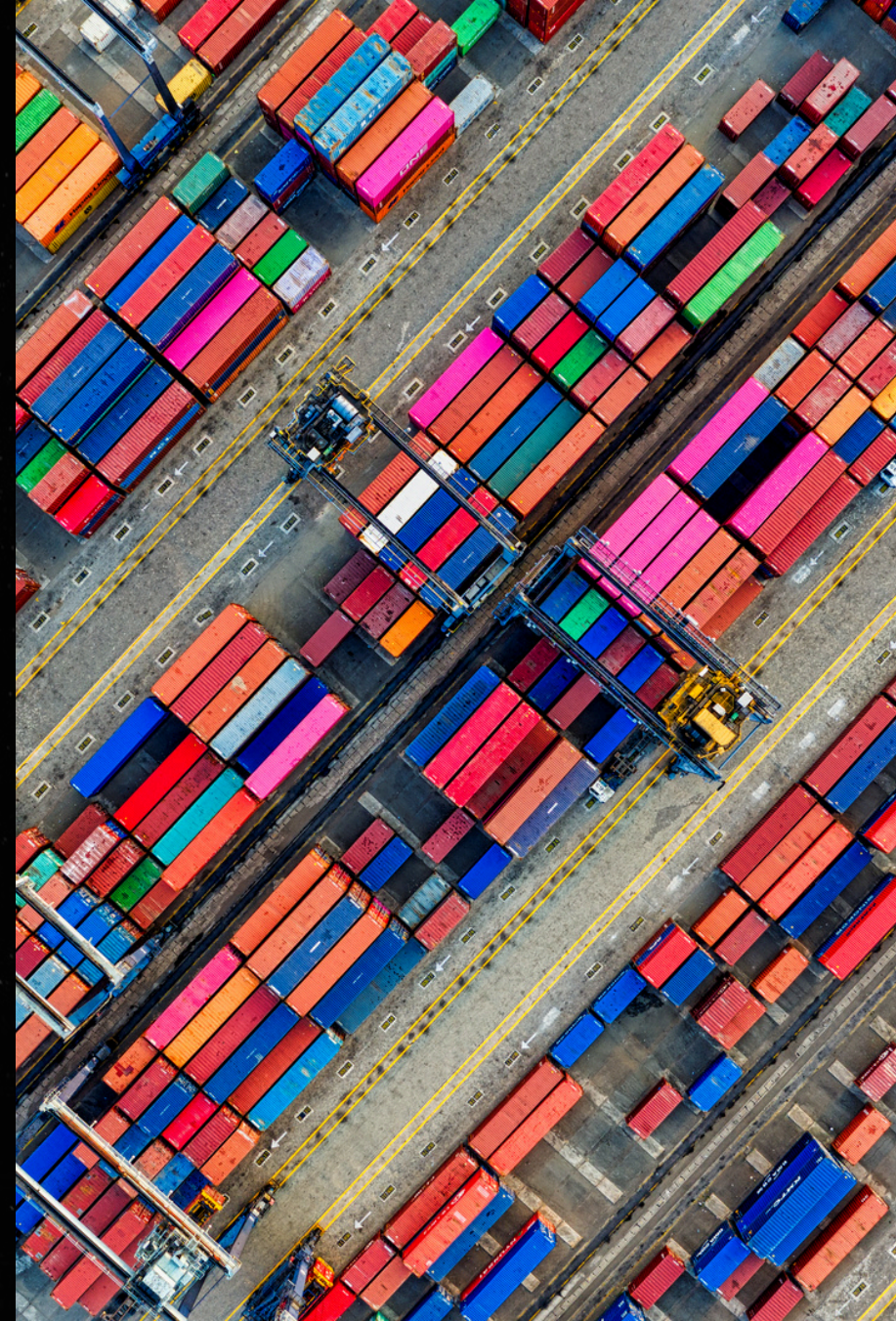




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Jayfal (Nutmeg): A Comprehensive Guide

Jayfal (Nutmeg) is an aromatic spice derived from the seed of the *Myristica* fragrant tree, providing a sweet and warm flavor. Its outer covering, known as mace (javitri), is a separate product with its own uses and market value.



Uses of Jayfal

Food Industry



Used as spice and flavoring in sweets, bakery products, and curries



Medicine

Component in Ayurvedic and Unani medicines, traditional home remedies for digestion, cold, and stress relief



Beverages

Added to masala tea, syrups, and alcoholic drinks like rum and liqueurs



Cosmetics

Essential oils used in cosmetics and perfumery

Jayfal Products & Pricing

Products

- Whole Nutmeg (Jayfal)
- Ground Nutmeg Powder
- Nutmeg Oil (essential oil)
- Nutmeg Oleoresin
- By-product: Nutmeg butter
- Nutmeg shell powder (industrial use)

Price Comparison

Indian wholesale price: ₹1,200 - ₹1,800/kg

Export price (FOB): ₹1,800 - ₹2,800/kg

Prices vary based on quality, size, oil content, and processing





Production Regions in India

Kerala

Main districts: Idukki, Thrissur, Ernakulam, Wayanad

Kerala is India's largest producer of nutmeg

Tamil Nadu

Main districts: Kanyakumari, Nilgiris

Karnataka

Main districts: Kodagu, Dakshina Kannada

Goa

Some pockets of cultivation

Processing & Manufacturing

Machinery Required

- Nutmeg harvesting tools & dryers
- De-shelling machines
- Grinding & pulverizer machines
- Oil extraction units (steam distillation)
- Cleaning & grading machines
- Packaging machines

Manufacturing Hubs

- Kerala: Kochi, Thrissur, Idukki
- Tamil Nadu: Kanyakumari, Nilgiris
- Karnataka: Mangalore, Coorg



Market & Distribution

Major Wholesale Markets in India



Mattancherry Spice Market (Kochi, Kerala)



Khari Baoli (Delhi)



Crawford Market (Mumbai)



APMC Markets (Vashi, Bangalore)



Meenakshi Market (Madurai, TN)





Quality Standards & Grades

Types of Qualities/Grades

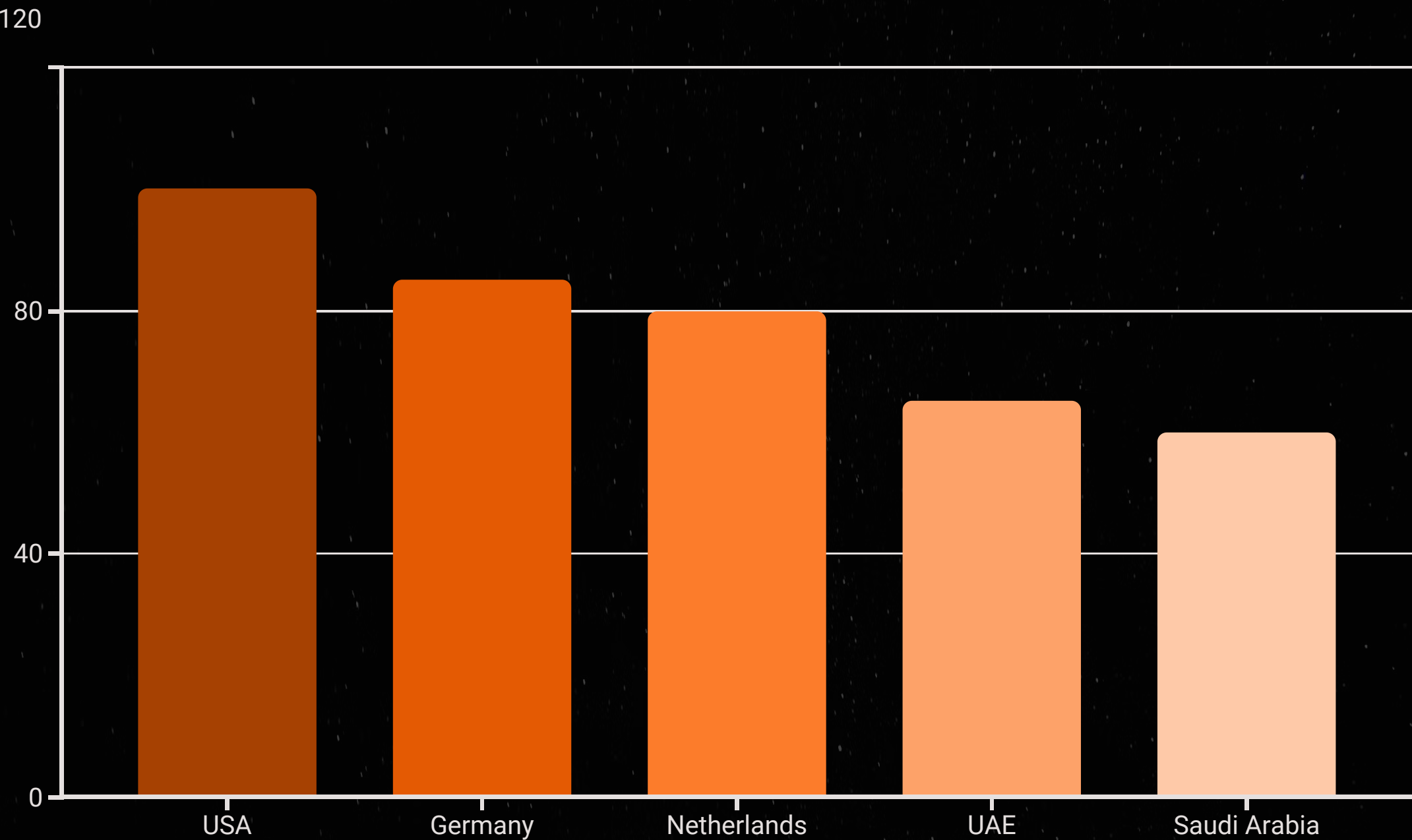
- Whole Nutmeg: Bold (large size), Shrivelled, Broken
- Powder: Pure fine powder vs. blended
- Oil Content: High oil % (83-12%) premium quality
- Organic vs. Conventional
- Export Grade: Cleaned, low-moisture, aflatoxin-free

Required Quality Inspections

- Moisture content test (max 10-12%)
- Aflatoxin & microbial test
- Oil content analysis
- Adulteration & purity test
- Pesticide residue analysis
- Phytosanitary Certificate (for export)
- FSSAI, Spices Board, SGS/Intertek lab reports

Global Market & Applications

Top Importing Countries



Global Applications

- " **Food&Beverage**: bakery,desserts, curries, masala drinks
- " **Medicinal**: herbal medicines, capsules, oils
- " **Cosmetic**: essential oils, perfumes, soaps
- " **Industrial**: nutmeg butter for pharmaceuticals & ointments



Export Specifications

Packaging for Export

- Whole nutmeg: 10325 kg
jute/PP bags with inner liner
- Powder: 1 kg, 5 kg, 25 kg
laminated pouches/cartons
- Nutmeg oil: Aluminum bottles
(1325 kg) / HDPE drums (503
200 kg)
- Vacuum packs for premium
quality
- Fumigation certificate required
for bulk shipments

HS Codes & Export Council

HS Codes:

- Whole Nutmeg: 0908.11
- Ground Nutmeg: 0908.12
- Nutmeg Oil & Oleoresin: 3301.29

Export Council: Spices Board of
India

RCMC mandatory, fees: ₹15,000
₹10,000 (valid for 5 years)



Challenges in Jayfal Export

Regulatory Hurdles

Strict EU & US regulations on aflatoxin & pesticide residues

Market Volatility

Price fluctuation due to demand-supply & competition from Indonesia

Quality Control

Moisture & fungal infection during storage/shipping; quality variation in small farmers' produce

Branding Needs

Need for stronger branding & certifications (Organic, Fairtrade, etc.)