

Syzygium aromaticum (Clove)

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Classification:

- Kingdom: Plantae
- Phylum: Angiosperms
- Order: Myrtales
- Family: Myrtaceae
- Genus: *Syzygium*
- Species: *aromaticum*
- Common Name: Clove



Cultivation:

- Indigenous to Moluccas, the Spice Islands of Indonesia
- Now also grown in Brazil, the West Indies, Mauritius, Madagascar, India, Sri Lanka, Zanzibar and Pemba.
- Largest Production area currently is the island Pemba, which is covered with clove gardens.



Growing Cloves:

- Tree is a Perennial
- Cloves grow best in loamy wet soils.
- Prefer partial shade and even rainfall.
- Cloves grow best in warm tropical temperatures.
- Pollinated by fruits that fall on the ground.
- Harvested when flowers turn from yellow/green to pink/purple.

Morphology:

- Pyramidal Shaped
- Broad Leafed
- Grows in Tropical Climates
- May Reach Heights of 30-40 feet tall (10-12 Meters)
- Yellow to Green flowers with small pink buds.
- The spice is made from the small pink buds after they are plucked and sun dried.
- Known for it's characteristic fragrance when blooming.

Pictures of Morphology:

- Tree:



Flower and Buds:



Clove Uses:

- Spices and oils for cooking
- Fragrances and air fresheners
- Soaps, toothpastes, and lotions
- Used to soothe pain for a tooth ache. Cloves contain Eugenol, an anesthetic and antiseptic that reduces pain and kills germs.

Cloves for
Toothache First Aid



History of the Clove:

- Cloves were first used by humans in China dating back to 207 B.C.
- People held them in their mouths while talking to the emperor to mask bad breath.
- Reached Europe as a spice in the 4th century A.D.
- Around 17-18 Century A.D. the Dutch monopolized Clove trade, but the French later entered the trade in the 19th Century.
- Cloves still used in kitchens and for small tooth aches today.

Works cited:

1. Clove. (n.d.). Retrieved January 24, 2015, from http://www.herbs2000.com/herbs/herbs_cloves.htm
2. Ramachandran, A. (n.d.). Cloves. Retrieved January 28, 2015, from <http://www.sallybernstein.com/food/columns/ramachandran/cloves.html>
3. Tips for Growing Clove. (n.d.). Retrieved January 27, 2015, from <http://www.globalhealingcenter.com/organic-herbs/growing-clove>

Thanks for Listening!

- Questions?

