



Unit 4 Topic 3

Products - uses of cashew & CNSL

Cashew products

Three main cashew products are traded on the international market - raw nuts, cashew kernels and cashew nut shell liquid (CNSL). A fourth product - the cashew apple is generally processed and consumed locally.



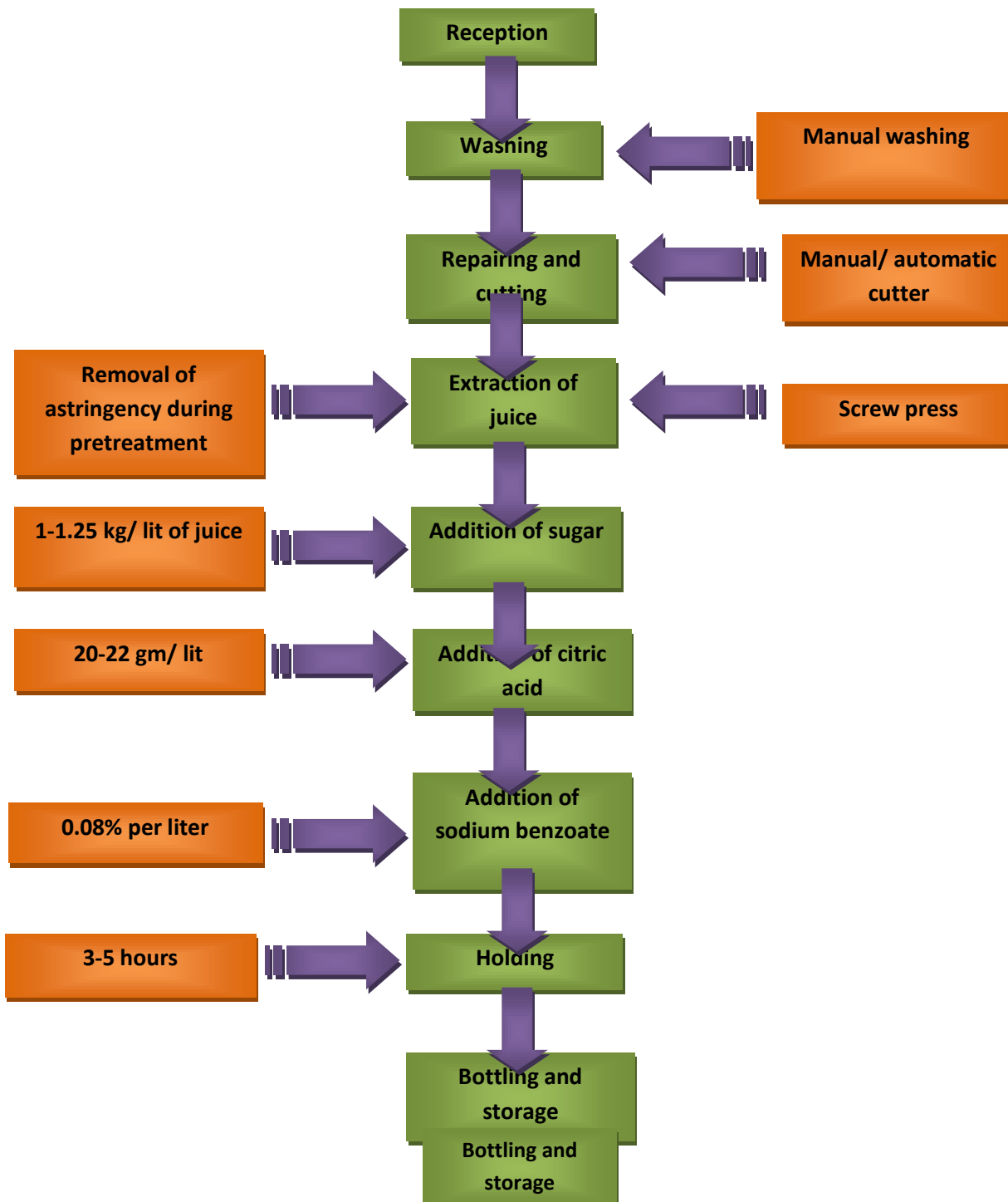
The raw cashew nut is the main commercial product of the cashew tree, though yields of the cashew apple are eight to ten times the weight of the raw nuts. Processing of the raw nuts releases the by-product CNSL that has industrial and medicinal applications. The skin of the nut is high in tannins and can be recovered and used in the tanning of hides. The fruit of the cashew tree that surrounds the kernel can be made into a juice with high vitamin C content and fermented to give a high proof spirit.

Cashew kernels

It is estimated that 60 percent of cashew kernels are consumed in the form of snacks while the remaining 40 percent are included in confectionery. There has recently been a considerable rise in demand for edible nuts by consumers interested in quality and health aspects of food. The breakfast cereal, health food, salads and baked goods markets are all expanding markets for cashew nuts.

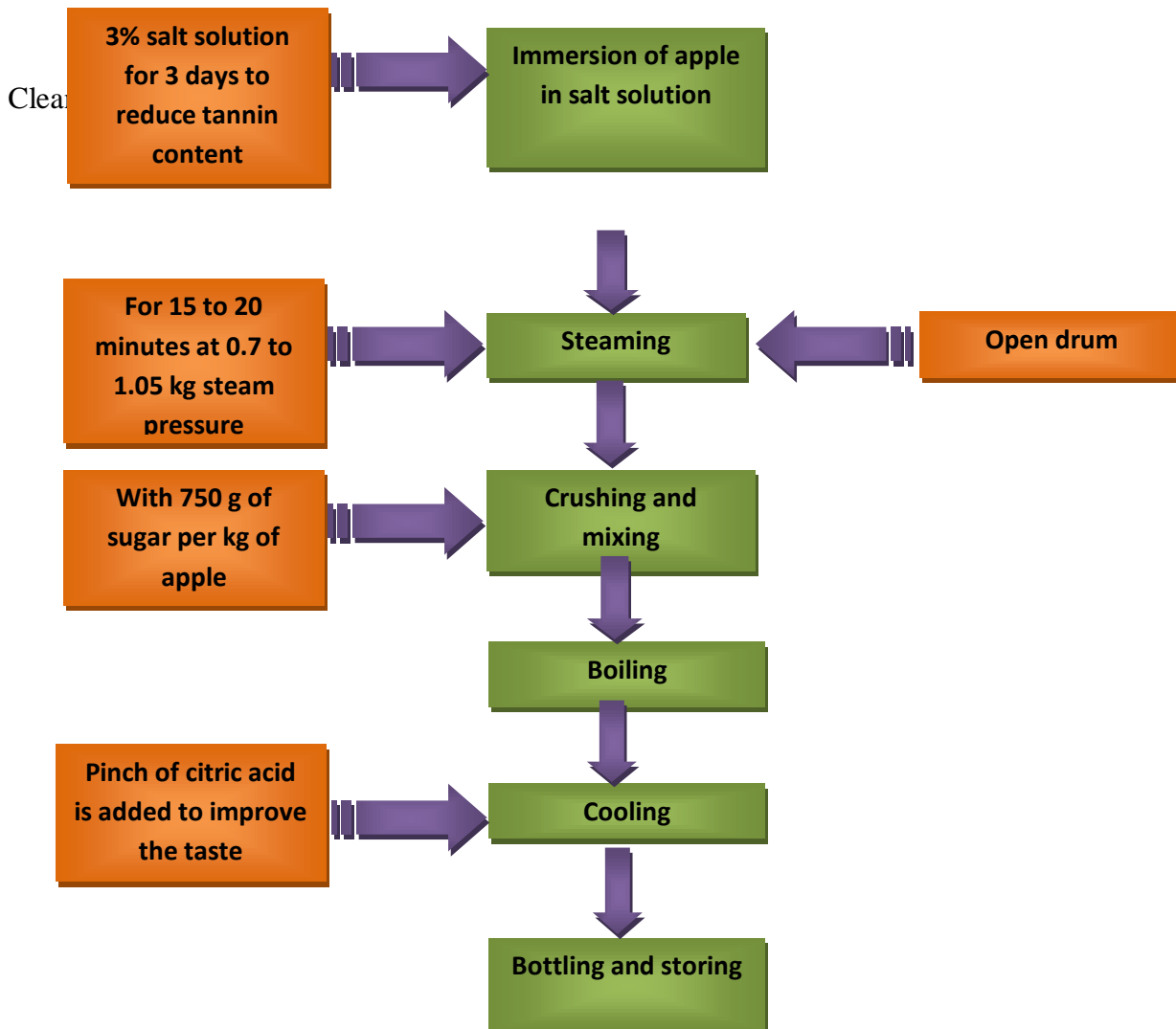


CASHEW SYRUP





CASHEW APPLE JAM



Cashew nut shell liquid

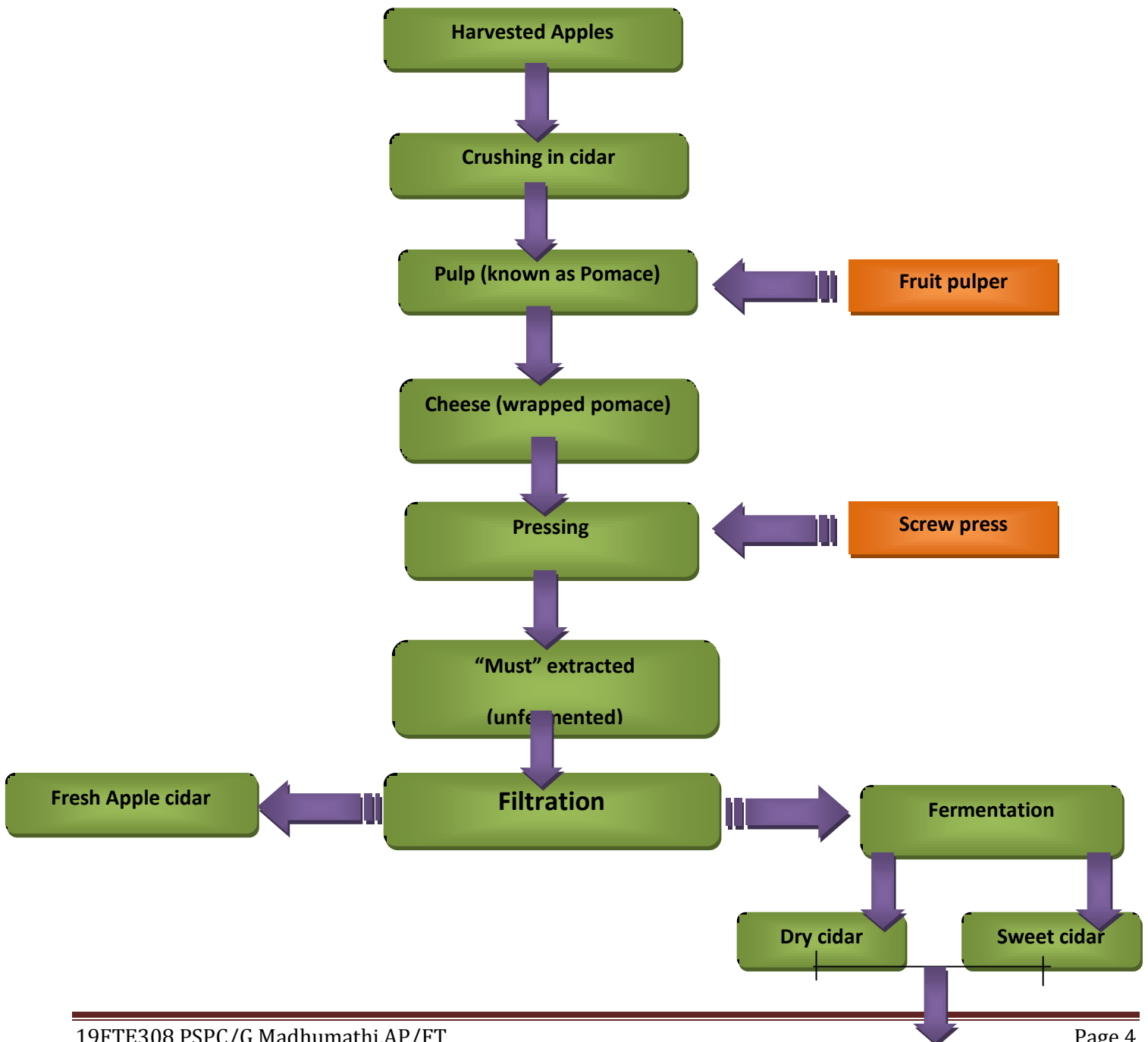
Cashew nut processing allows for the development of an important by-product which can increase its added value. The liquid inside the shell (CNSL) represents 15 percent of the gross weight and has some attractive possible medicinal and industrial uses. CNSL is one of the few natural resins that is highly heat resistant and is used in braking systems and in paint manufacture. It contains a compound known as anacardium, which is used to treat dermatological disorders. The main markets for CNSL are the United States, the European Union (mainly the United Kingdom), Japan and the Republic of Korea.



BY-PRODUCTS- Cashew apples

Cashew apple refers to the swollen peduncle to which the nut is attached and though it is very juicy and sweet, is not normally eaten because of its astringent and acrid principles. It is very rich in Vitamin C and contains four to five times as much Vitamin C as citrus.

CASHEW APPLE JUICE/ CIDAR





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