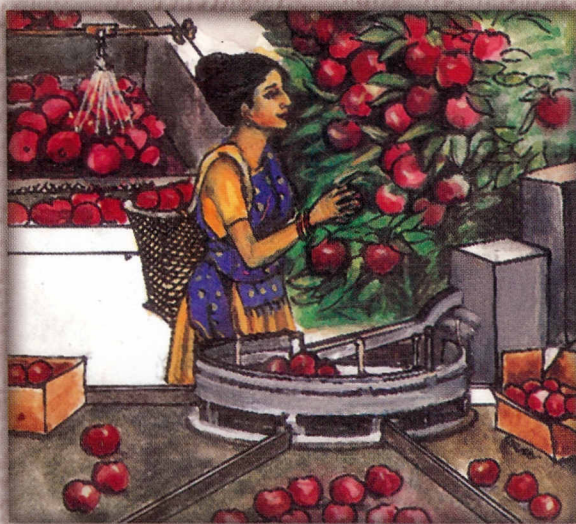




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Postharvest Management in Agriculture

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Postharvest Management in Agriculture **SAARC Bibliographical Database**

A S Chandel and R M Kamal



SAARC Agricultural Information Centre (SAIC)

SAARC Agricultural Information Centre (SAIC)
BARC Complex, Farmgate, Dhaka 1215, Bangladesh

Published : 1995

Cover design : Mafruha Begum

Price : US\$ 5.00 for SAARC countries
US\$ 8.00 for other countries

Chandel, A S and Kamal, R M

Postharvest Management in Agriculture: SAARC bibliographical database.

Dhaka: SAARC Agricultural Information Centre, 1995.

ii, 231, xxxv p.

1. Postharvest technology, bibliography. 2. SAARC Agricultural Information Centre. i. Jt. Author.
ii. Title.

Published by : Director, SAARC Agricultural Information Centre (SAIC)

Printed at : Panir Printers, 9 Nilkhet, Dhaka 1205

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Term Index

i

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912 ROY, SK; SINGH, RN. 1975. Utilization of bael fruit for the preparation of different fruit products. *Delhi Garden Magazine*, 27-28.

913 SHAILESH VERMA; SAVITA GUPTA; SINGH, RV; ABIDI, AB. 1991. Changes in biochemical constituents of bael fruits infected with *Aspergillus* species. *Indian Phytopathology*, 44: 3, 405-406; 10 ref.

During 1985-87, *Aegle marmelos* fruits severely affected by dry rot caused by *A. niger*, *A. fumigatus* and *A. luchuensis* were observed in markets and orchards of Faizabad, Uttar Pradesh, India. Inoculated fruits incubated for 7 d at 90% RH were analysed biochemically. Protein content was increased c. 2-fold in tissues infected with all 3 *A. spp.*, total free amino acid content was maximum in healthy mature fruits and decreased by c. 50% in infected fruits, total phenol content was higher in infected tissues, and total sugar, reducing and non-reducing sugar contents were greatly reduced in infected tissues.

914 SINGH, RN; ROY, SK. 1984. **The bael cultivation and processing.** New Delhi: Publication and Information Division, Indian Council of Agricultural Research.

AMLA

915 VIJAY, S. 1986. Effect of blanching on drying of amla. *Ind.Fd.Pckr.*, 40: 4, 7-10.

916 VIJAY, S; ANAND, JC. 1989. **Nutritional and microbiological quality of carrot and amla preserves.** *Proceedings of Seminar on National Fruit and vegetable Murrabba Industry.* (New Delhi: 1989: 16 April).

917 VIJAY, S; ANAND, JC. 1985. **Relative humidity as affecting the quality of carrot and amla preserves during storage.** *Beverage Food World.*, 2: 26-28.

918 VIJAY, S; ANAND, JC. 1983. **Retention of nutrients in carrot and amla preserves.** *Indian Food Packer*, 37: 6, 64-67.

919 VIJAY, S; ANAND, JC. 1982. **Studies on the preparation of intermediate moisture amla preserve and changes during storage.** *Progr. Hort.*, 14: 2-3, 87-93.

BERRIES

Storage

920 MEDHI, G; SINGH, IS. 1982. Effect of gibberellic acid on shelf-life of Beauty Seedless grape berries during cold storage. *Journal of Research, Assam Agricultural Univ.*, 3: 2, 216-219; 9 ref.

At berry set the clusters were dipped for 30 seconds in solutions of GA3 at 20-60 p.p.m. After harvest the bunches were cooled and stored in perforated polyethylene bags at 0°C for up to 48 days. Grapes treated with GA3 at 40 p.p.m. stored best for 48 days, 12 days longer than non-treated control grapes.

921 RASTOGI, DINESH. 1990. **Variation in solasodine content in *Solanum laciniatum* Ait. at different growth intervals of plant and under post-harvest storage of berries and leaves (M.Sc: thesis).** Dr. Y.S. Parmar University of Horticulture & Forestry, Solan. 66p.

Investigations were undertaken to find out appropriate stage of economic parts, viz. berries and leaves of *Solanum laciniatum* Ait. at which there would be maximum solasodine content; to get information regarding the optimum drying conditions so as to minimise the degradation of solasodine during drying of herb; and to find out the best packing material in which there would be minimum possible loss of solasodine during storage. Per cent solasodine content in leaves was maximum (1.99%) when they were fully developed, dark green in colour and the plants were 257 days old. Solasodine percentage was maximum (4.24%) when the berries were 56 days old and the maximum solasodine absolute yield was obtained from 63 days old berries (362.3 mg/10 berries). The berry colour, nevertheless, was dark green at both these stages. The fully developed, green berries retained highest percentage (4.20%) of solasodine when dried in oven at 60° C registered maximum value (1.96%) in case of leaves. Polythene, cotton and nylon for berries, and plythene, cotton and paper for leaves proved the best packing material for storage. Solasodine loss was gradual and assumed significant dimensions at 30 days storage of leaves and berries.

922 REDDY, PCE; REDDY, KS; REDDY, KR. 1989. **Effect of storage conditions on the shelf-life of grape berries.** *Indian Phytopathology*, 42: 4, 594-596.