was titrated against previously standardized 2-6, dichlorophenol-indophenol reagent. The details of the extraction procedures were similar to those followed by Ghosh et al.² The data are presented in Table I.

TABLE I
Showing vitamin C content (in mg. per 100 gm. of fruit pulp) of healthy and infected mangoes and percentage loss in vitamin C†

	Vitamin C content					Percentage loss in vitamin C
	Days of incubation					
I	2	4	6	8		-after 10 days of incubation
Dashehari:						
Healthy	20.0	18.7	16.1	13.0	11.7	42.9
Infected Langra:	16.0	7 · 4	4.2	3.0	2.1	89 • 7
Healthy	110.0	107.3	99.8	86.5	75 - 1	32.6
Infected						100.0

[†] The vitamin C content of Dashehari' and 'Langra' varieties at the beginning of experiment ('Zero' day of incubation) per 100 gm. of fruit pulp were 20.5 mg. and 110.2 mg. respectively.

From Table I it is obvious that the 'Langra' variety contained more of vitamin C as compared to 'Dashehari'. With the progress of the incubation the vitamin C content of both healthy and infected fruit decreased. In healthy fruits the loss of vitamin C in storage was greater in 'Dashehari' as compared to 'Langra', whereas in the infected fruits the case was just the reverse.

The loss of vitamin C (L-ascorbic acid) may be related to its rapid oxidation (by the enzyme ascorbic acid oxidase or due to the host-parasite interaction) to the diketone lactone form, dehydro-L-ascorbic acid.

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EFFECT OF BOTRYODIPLODIA INFECTION ON THE VITAMIN C CONTENT OF MANGO FRUIT*

STEM-END rot, caused by Botryodiplodia theobromæ Pat. is one of the important post-harvest diseases of mango (Mangifera indica L.). The disease has been reported from India³ and Ceylon.¹ The present investigation was undertaken to study the effect of Botryodiplodia infection on the vitamin C content of two important varieties of mango, viz., 'Dashehari' and 'Langra'.

For this purpose both the varieties were inoculated with pure cultures of B. theobromæ and were incubated at 25° ± 1° C. After the interval of every 48 hours the free ascorbic acid content of the tissue adjacent to the inoculated region was determined. Vitamin C was extracted in 5% metaphosphoric acid and

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