

One series was supplied by a mill which produced a high sugar to organic matter ratio, and the other by a mill which gave a relatively lower ratio. The results are given in Tables 4 and 5.

TABLE 3.

Sample.	Length of Cook.	Total Acid.	Combined Acid.	Free Acid.
	Hours.			
1				
2	10	5.06	1.16	3.9
3		5.08	1.14	3.94
4	9	5.15	1.51	3.64
5	17	4.67	1.27	3.4
6	7½	5.28	1.05	4.23
7	8½	4.57	0.9	3.67
8	7½	5.31	1.03	4.28
9	8	5.15	1.06	4.09
10	7½	5.05	1.02	4.03
11	8	6.00	1.10	4.60
12	8½	5.78	1.10	4.68

TABLE 4.

Cook "A."

Time.	Total Solids, grams per 100 cc.	Organic Matter, grams per 100 cc.	Total Sugar, grams per 100 cc.	Sugar, per cent of Total Solids.	Sugar, per cent of Organic Matter.
Hours,					
5.....	4.5	3.6	0.9	20.	25.0
6.....	6.36	5.46	1.52	23.9	27.6
7.....	8.7	7.8	2.25	25.6	28.8
8.....	9.95	9.05	2.37	23.0	26.2
9-15.....	10.8	10	2.44	21.8	24.4
Combined Acid.....	1.25				
Free Acid.....	4.03				
Total Acid.....	5.28				

Maximum Temperature not given