

Malt Analysis

TABLE I
Brewer's Malt Analyses (dry basis)

Sample*	Moisture (%)	Extract FG (%)	Fine-Coarse Difference (%)	Diastatic Power (°ASBC)	α-Amylase (20° C DU)	Soluble Protein (N × 6.25)	Malt Total Protein (N × 6.25)	Wort Color (ASBC)	No. Reporting
A Mean	4.30	80.76	1.53	116.5	40.33	5.703	12.43	2.071	43
A SD	0.22	0.59	0.43	4.5	2.50	0.218	0.40	0.212	
A c.v.	5.2	0.7	28.4	4.0	6.2	3.8	3.2	10.22	
B Mean	3.93	77.58	1.58	149.1	40.23	5.817	13.20	1.911	43
B SD	0.16	0.50	0.37	4.1	1.89	0.135	0.29	0.154	
B c.v.	4.1	0.6	23.6	3.0	4.7	2.3	2.2	8.04	
E Mean	4.12	78.34	1.81	120.6	32.31	4.847	13.21	1.463	46
E SD	0.18	0.44	0.41	5.5	2.67	0.142	0.29	0.214	
E c.v.	4.3	0.6	22.9	5.0	8.3	2.9	2.2	14.62	
F Mean	3.65	77.64	1.48	154.3	50.04	5.605	13.01	1.571	46
F SD	0.21	0.48	0.48	6.8	5.21	0.170	0.21	0.140	
F c.v.	5.8	0.6	32.4	4.0	10.4	3.0	1.6	8.93	
G Mean	4.02	79.52	1.18	143.2	37.67	4.943	11.90	1.456	44
G SD	0.18	0.43	0.39	6.2	2.56	0.159	0.26	0.092	
G c.v.	4.4	0.5	33.4	4.0	6.8	3.21	2.2	6.30	
H Mean	3.67	81.66	1.68	110.5	42.00	4.836	11.66	1.502	44
H SD	0.15	0.42	0.39	3.7	3.71	0.163	0.27	0.101	
H c.v.	4.0	0.5	23.0	3.0	8.8	3.36	2.3	6.71	
I Mean	4.02	77.96	1.30	160.1	39.62	5.502	12.75	1.734	49
I SD	0.17	0.37	0.32	7.6	3.00	0.119	0.21	0.156	
I c.v.	4.2	0.5	24.8	5.0	7.6	2.17	1.7	8.98	
J Mean	4.01	77.91	1.25	160.6	39.56	5.509	12.76	1.705	49
J SD	0.15	0.38	0.30	7.0	2.33	0.136	0.19	0.136	
J c.v.	3.9	0.5	24.2	4.0	5.9	2.47	1.5	7.95	

*SD = Standard deviation; c.v. = coefficient of variation.

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Key words: *Cereal adjunct analysis, Malt analysis.*

RECOMMENDATIONS

1. The subcommittee should continue its work on turbidity compensation in the determination of ASBC laboratory wort color.
2. The subcommittee should continue its efforts to establish standardization procedures for the Buhler-Miag disc mill.

CONTINUING PROGRAMS

The Malt Analysis Check Service and the Cereal Adjunct Check Service have continued their functions. Data obtained from the 1980 distribution are given in Tables I and II.

TABLE II
Cereal Adjunct (Corn Grits) Analyses (dry basis)

Sample*	Moisture (%)	Extract (%)		Oil (%)
		Malt Method	Enzyme Method	
1 Mean	11.40	91.51	92.11	0.95
1 SD	0.59	1.38	0.66	0.10
1 c.v.	5.2	2.0	1.0	10.7
1 Number reporting	11	4	8	11
2 Mean	9.4	91.75	91.88	0.68
2 SD	0.38		1.11	0.07
2 c.v.	4.0		1.2	9.8
2 Number reporting	11	3	9	11
3 Mean	12.97	91.1	94.9	0.79
3 SD	0.45	6.23	2.55	0.10
3 c.v.	3.4	6.8	2.7	12.7
3 Number reporting	11	5	7	11
4 Mean	11.0	91.7	91.8	0.77
4 SD	0.53	0.61	0.53	0.10
4 c.v.	4.8	0.7	0.6	13.0
4 Number reporting	11	3	8	11

*SD = Standard deviation, c.v. = coefficient of variation.