

Table 6. Amino acid content (wt %) of a subset of samples from the 2003 Survey.

Region	State	Number of Samples	Lysine		Methionine		Cysteine		TSAA		Tryptophan		Threonine	
			Percent Average	Std. dev.	Percent Average	Std. dev.	Percent Average	Std. dev.	Percent Average	Std. dev.	Percent Average	Std. dev.	Percent Average	Std. dev.
Western Corn Belt (WCB)	Iowa	27	2.29	0.098	0.52	0.034	0.62	0.055	1.14	0.080	0.37	0.063	1.36	0.073
	Kansas	4	2.26	0.065	0.51	0.011	0.61	0.035	1.11	0.044	0.46	0.070	1.33	0.015
	Minnesota	18	2.26	0.120	0.50	0.025	0.60	0.038	1.10	0.056	0.41	0.050	1.34	0.077
	Missouri	12	2.20	0.146	0.49	0.024	0.61	0.033	1.10	0.050	0.35	0.030	1.31	0.094
	Nebraska	13	2.20	0.092	0.49	0.039	0.61	0.073	1.10	0.111	0.39	0.076	1.31	0.073
	North Dakota	5	2.32	0.123	0.52	0.025	0.67	0.038	1.19	0.054	0.35	0.034	1.37	0.063
	South Dakota	10	2.27	0.123	0.50	0.029	0.59	0.053	1.09	0.078	0.36	0.042	1.35	0.065
Averages	Western Corn Belt	89	2.26	0.116	0.50	0.031	0.61	0.052	1.12	0.077	0.38	0.061	1.34	0.075
Ranges	Western Corn Belt		(1.91-2.54)		(0.39-0.61)		(0.41-0.72)		(0.79-1.29)		(0.25-0.56)		(1.15-1.50)	
Eastern Corn Belt (ECB)	Illinois	30	2.29	0.106	0.51	0.021	0.62	0.030	1.13	0.047	0.39	0.055	1.37	0.066
	Indiana	17	2.34	0.122	0.51	0.031	0.59	0.032	1.11	0.056	0.41	0.041	1.39	0.075
	Michigan	5	2.41	0.097	0.53	0.025	0.61	0.041	1.14	0.064	0.37	0.067	1.42	0.075
	Ohio	13	2.35	0.100	0.52	0.025	0.62	0.052	1.14	0.073	0.39	0.028	1.40	0.062
	Wisconsin	4	2.30	0.051	0.45	0.115	0.57	0.039	1.01	0.144	0.38	0.014	1.38	0.019
Averages	Eastern Corn Belt	69	2.32	0.109	0.51	0.038	0.61	0.038	1.12	0.068	0.39	0.048	1.38	0.067
Ranges	Eastern Corn Belt		(2.08-2.63)		(0.28-0.60)		(0.53-0.74)		(0.81-1.31)		(0.26-0.47)		(1.26-1.56)	
Midsouth (MDS)	Arkansas	8	2.30	0.102	0.51	0.018	0.63	0.023	1.13	0.032	0.39	0.069	1.38	0.063
	Kentucky	4	2.25	0.155	0.50	0.021	0.60	0.027	1.10	0.035	0.34	0.040	1.31	0.069
	Louisiana	2	2.32	0.030	0.49	0.005	0.61	0.031	1.10	0.035	0.36	0.008	1.32	0.006
	Mississippi	4	2.26	0.096	0.50	0.027	0.60	0.053	1.09	0.079	0.35	0.057	1.36	0.039
	Tennessee	4	2.29	0.072	0.50	0.015	0.57	0.023	1.07	0.031	0.38	0.024	1.38	0.026
Averages	Midsouth	22	2.28	0.097	0.50	0.018	0.60	0.035	1.10	0.047	0.37	0.053	1.36	0.056
Ranges	Midsouth		(2.04-2.45)		(0.46-0.53)		(0.52-0.65)		(0.98-1.18)		(0.27-0.49)		(1.21-1.47)	
Southeast (SE)	North Carolina	4	2.26	0.080	0.49	0.019	0.58	0.036	1.07	0.053	0.37	0.058	1.37	0.061
Averages	Southeast	4	2.26	0.080	0.49	0.019	0.58	0.036	1.07	0.053	0.37	0.058	1.37	0.061
Ranges	Southeast		(2.21-2.38)		(0.46-0.50)		(0.53-0.61)		(0.99-1.11)		(0.32-0.44)		(1.32-1.46)	
East Coast (EC)	Maryland	2	2.42	0.056	0.53	0.003	0.62	0.036	1.16	0.039	0.37	0.002	1.38	0.023
	Pennsylvania	1	2.30	-	0.51	-	0.58	-	1.09	-	0.36	-	1.35	-
	Virginia	1	2.36	-	0.49	-	0.55	-	1.04	-	0.36	-	1.41	-
Averages	East Coast	4	2.38	0.065	0.52	0.020	0.59	0.042	1.11	0.060	0.36	0.005	1.38	0.028
Ranges	East Coast		(2.30-2.46)		(0.49-0.54)		(0.55-0.65)		(1.04-1.19)		(0.36-0.37)		(1.35-1.41)	
USA	Averages	188	2.29	0.114	0.51	0.032	0.61	0.045	1.11	0.070	0.38	0.055	1.36	0.071
	Ranges		(1.91-2.63)		(0.28-0.61)		(0.41-0.74)		(0.79-1.31)		(0.25-0.56)		(1.15-1.56)	

Basis 13% moisture

TSAA = total sulfur-containing amino acids (MET+CYS)