

ERRATA

In the article "Two Soybean Genotypes Lacking Lipoxygenase-1" appearing in the May issue of *JAOCs* (Hildebrand and Hymowitz, 58:583, 1981) an error was printed

in Table II (p. 285). Under the heading "Oxygen uptake," subheading "acid assay," Williams should read 6.9×10^4 and PT 423800 should read 2.4×10^4 .

The following four tables were omitted from Dr. Barbara Struthers' paper, "Lysinoalanine: Production, Significance and Control," which was presented at the World Confer-

ence on Soya Processing and Utilization and appeared in the March issue of *JAOCs* (58:501, 1981).

TABLE I

Effect of Time on Cys Destruction (4)

Time	% Cys remaining at pH 12.5, 65 C		
	Whey 1	Whey 2	Soy
0	100	100	100
45 sec	88	93	65
1.5 min	83	77	52
3 min	80	68	45
15 min	57	54	32

TABLE VI

Lysinoalanine (Lal) and Lysine Contents in Alkali-Treated Corn^{a-c} (14)

Alkali	Treatment			mg of Lys/g of protein
	Alkali conc. (M)	Min. heating at 62.4 C	ppm Lal in protein	
None	0	15	0	18.1
Lime	.14	15	0	18.1
↓	.207	15	0	21.8
↓	.273	15	139.8	20.7
↓	.273	30	133.2	17.9
Ca(OH) ₂	.273	30	103.2	17.3
NaOH	.10	30	0	22.6
↓	.207	30	0	21.5
↓	.273	30	1033.5	20.8
↓	.273	30	1338.7	20.4
KOH	.273	15	724.0	21.0

^aAverages from duplicate determinations. 100 g corn was placed into 150 mL alkali solution, heated for 15-30 min and allowed to stand overnight.

^bThe concentrations reported here are 10-fold lower than were reported in the original paper, due to an error in the original. Corrected values were courtesy of Dr. Nawar.

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TABLE VIII

Lysinoalanine Formed in Various Proteins^a

Protein	Lysinoalanine formed (mol/mol protein)	No. residues amino acid in protein	
		Lysine	Cysteine
Pepsin	0	1	6
Pepsinogen ^b	0	10	6
Trypsin	4.2	14	12
Chymotrypsinogen	3.0	14	10
SSIC ^c	0.1	2	4
Lysozyme	2.7	6	8
Ribonuclease A	3.3	10	8
Ribonuclease T ₁	0	1	4

Proteins (1 mg/mL) dissolved in 0.2 N NaOH were incubated at 40 C for 4 hr (7).

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^bTaken from Bohak (2).

^c*Streptomyces subtilisin* inhibitor.

TABLE VII

Effect of Cations in Solution on Lal Formation in 5% Sodium Caseinate^a (9)

Metal chloride used	Lysinoalanine (ppm)
None	500-1200
MgCl ₂	1320
CaCl ₂	2650
SrCl ₂	4800
BaCl ₂	4800
LaCl ₃	7400
AlCl ₃	8060
NaCl (0.225 M)	2500

^aMetal chlorides were present at .0125 M except NaCl. Solution was heated at 60 C, pH 10.0, 60 min.