

TABLE 9: NUTRITIONAL VALUES OF WHITE MAIZE ACCORDING TO GRADE (2008/09)												TABLE 9: NUTRITIONAL VALUES OF YELLOW MAIZE ACCORDING TO GRADE (2008/09)											
Number of samples	Region	% (db) Fat			% (db) Protein			% (db) Starch			Number of samples	Region	% (db) Fat			% (db) Protein			% (db) Starch				
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.			ave.	min.	max.	ave.	min.	max.	ave.	min.	max.		
GRADE: WM 1												GRADE: YM 1											
1	Region 11	3.5	3.5	3.5	8.4	8.4	8.4	73.3	73.3	73.3	15	Region 10	3.2	3.1	3.4	7.6	7.0	8.3	73.8	72.9	74.6		
13	Region 12	4.0	3.8	4.3	8.4	8.0	8.8	72.2	71.1	72.9	12	Region 11	3.3	3.1	3.4	7.6	7.1	8.2	73.6	72.8	74.8		
16	Region 13	4.0	3.6	4.2	8.3	7.5	9.0	72.5	71.5	73.2	5	Region 12	3.5	3.3	3.6	8.9	8.4	9.4	72.9	72.7	73.2		
35	Region 14	4.1	3.9	4.7	8.5	8.0	9.4	72.3	71.1	73.4	4	Region 13	3.6	3.4	3.9	8.7	8.2	8.9	72.6	72.0	73.2		
23	Region 15	4.0	3.8	4.4	8.6	7.9	9.6	72.8	72.1	73.5	12	Region 14	3.6	3.3	3.8	8.7	8.1	9.2	73.0	71.9	73.6		
38	Region 16	4.0	3.6	4.5	8.2	7.5	8.8	72.5	71.5	74.2	7	Region 16	3.4	3.2	3.8	8.1	7.3	9.2	73.5	72.6	74.5		
31	Region 17	4.0	3.6	5.1	8.1	6.9	9.6	72.4	71.0	73.8	8	Region 15	3.5	2.9	4.0	8.6	8.0	9.7	73.0	72.1	74.2		
10	Region 18	4.0	3.9	4.2	8.6	7.9	9.2	72.3	71.7	73.1	11	Region 17	3.6	2.9	4.4	8.6	8.0	9.1	72.7	71.1	73.5		
6	Region 19	4.0	3.7	4.5	8.8	8.2	9.8	72.1	70.7	72.8	4	Region 18	3.6	3.5	3.8	8.5	8.3	8.9	72.6	72.0	73.4		
15	Region 20	4.0	3.8	4.3	8.3	7.0	9.3	72.4	71.4	73.1	3	Region 19	3.5	3.4	3.5	8.3	7.8	8.7	73.6	73.4	74.0		
24	Region 21	4.1	3.8	4.6	8.4	7.7	9.2	72.3	71.4	73.2	5	Region 20	3.7	3.6	3.8	8.3	8.0	8.7	73.0	72.6	73.5		
19	Region 22	4.1	3.8	4.7	8.4	7.8	9.1	71.9	70.7	72.6	7	Region 21	3.6	3.4	3.8	7.8	6.6	8.8	73.3	72.4	74.6		
27	Region 23	3.9	3.8	4.1	8.4	7.4	8.9	72.2	71.4	73.3	4	Region 22	3.5	3.4	3.6	8.3	7.3	9.1	72.7	72.2	73.2		
16	Region 24	4.1	3.9	4.4	8.6	7.0	10.1	72.0	70.7	74.1	8	Region 23	3.7	3.5	3.8	9.2	8.6	9.7	72.0	71.5	72.8		
11	Region 25	4.1	3.6	4.6	7.7	6.4	8.9	72.8	72.0	73.6	4	Region 24	3.7	3.6	3.7	8.5	7.6	8.9	72.9	72.4	73.7		
17	Region 26	4.0	3.8	4.2	7.9	6.9	8.6	72.4	71.7	73.2	23	Region 25	3.5	3.2	3.7	7.7	7.0	8.4	73.6	72.7	74.5		
6	Region 27	4.2	4.0	4.5	8.1	7.9	8.3	72.2	71.8	72.7	14	Region 26	3.6	3.4	3.9	8.4	7.3	9.7	72.9	72.2	74.1		
22	Region 28	4.0	3.6	4.3	8.0	7.4	8.7	72.7	71.7	73.7	10	Region 27	3.7	3.5	4.7	8.4	7.6	10.2	72.8	72.0	73.7		
28	Region 29	4.0	3.8	4.2	8.4	6.9	10.4	72.6	71.6	73.4	46	Region 28	3.6	3.0	4.2	8.2	7.0	9.4	73.2	71.3	74.7		
18	Region 30	4.0	3.6	4.4	8.3	7.1	9.5	72.7	72.1	73.6	5	Region 29	3.6	3.5	3.7	8.1	7.7	8.7	73.2	72.6	74.0		
12	Region 31	4.0	3.8	4.1	8.1	6.9	8.9	72.7	71.9	73.5	23	Region 30	3.6	3.1	4.1	7.9	7.0	9.3	73.6	72.5	74.7		
18	Region 32	4.1	3.9	4.8	8.0	7.0	8.6	72.6	71.9	73.4	21	Region 31	3.7	3.5	3.9	8.1	7.5	8.8	73.0	72.2	74.2		
1	Region 33	4.0	4.0	4.0	7.7	7.7	7.7	72.8	72.8	72.8	15	Region 32	3.7	3.2	3.9	8.1	6.2	9.1	73.3	72.2	74.1		
10	Region 34	4.1	3.8	4.5	8.0	6.6	9.0	72.4	71.4	72.9	4	Region 33	3.6	3.4	3.7	8.3	8.0	8.6	73.1	73.0	73.4		
9	Region 35	4.2	3.8	4.4	8.6	7.0	9.7	72.2	71.4	73.3	8	Region 34	3.8	3.5	4.0	8.5	8.1	9.1	73.0	72.4	74.0		
14	Region 36	4.1	3.6	4.7	8.5	8.2	8.9	72.4	71.4	73.2	12	Region 35	4.3	3.6	4.6	8.8	6.8	10.6	72.2	71.3	74.3		
440	Ave WM 1	4.0			8.3			72.4			297	Ave YM 1	3.6			8.2			73.1				
	Min WM 1							70.7				Min YM 1							71.1				
	Max WM 1		3.5			6.4				74.2		Max YM 1		4.7		6.2					74.8		
				5.1			10.4																

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Number of samples	Region	% (db) Fat			% (db) Protein			% (db) Starch			Number of samples	Region	% (db) Fat			% (db) Protein			% (db) Starch		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.			ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
GRADE: WM 2										GRADE: YM 2											
2	Region 12	3.9	3.8	4.0	8.1	8.0	8.2	72.5	72.2	72.9	1	Region 10	3.2	3.2	3.2	7.4	7.4	7.4	74.2	74.2	74.2
1	Region 13	3.7	3.7	3.7	8.2	8.2	8.2	73.2	73.2	73.2	1	Region 12	3.5	3.5	3.5	8.8	8.8	8.8	73.0	73.0	73.0
1	Region 14	4.0	4.0	4.0	8.3	8.3	8.3	73.1	73.1	73.1	2	Region 13	3.4	3.2	3.6	7.9	7.7	8.0	72.7	72.5	73.0
2	Region 15	3.8	3.7	3.9	8.7	8.6	8.7	72.3	72.3	72.4	1	Region 17	4.0	4.0	4.0	7.9	7.9	7.9	73.8	73.8	73.8
2	Region 16	3.9	3.8	4.0	8.2	7.9	8.5	72.9	72.2	73.6	1	Region 18	3.8	3.8	3.8	8.7	8.7	8.7	72.0	72.0	72.0
2	Region 17	3.9	3.8	3.9	8.5	8.2	8.8	72.3	72.0	72.7	2	Region 19	3.3	3.2	3.4	8.9	8.6	9.1	73.5	73.1	74.0
3	Region 19	3.8	3.7	4.0	8.7	8.6	8.8	72.4	71.7	72.9	1	Region 20	3.3	3.3	3.3	8.2	8.2	8.2	73.3	73.3	73.5
2	Region 20	4.0	3.9	4.0	8.8	8.1	9.5	72.4	72.1	72.8	1	Region 25	3.2	3.2	3.2	7.2	7.2	7.2	74.4	74.4	74.4
3	Region 23	3.8	3.8	3.9	8.8	8.3	9.6	72.2	71.7	72.6	1	Region 26	3.5	3.5	3.5	8.3	8.3	8.3	73.2	73.2	73.2
1	Region 25	3.8	3.8	3.8	7.8	7.8	7.8	73.4	73.4	73.4	1	Region 28	3.5	3.5	3.5	7.1	7.1	7.1	74.4	74.4	74.4
2	Region 26	3.9	3.7	4.0	7.7	7.6	7.8	72.9	72.6	73.3	3	Region 30	3.5	3.4	3.6	8.2	7.9	8.6	73.9	73.4	74.4
3	Region 28	3.7	3.5	4.0	7.9	7.7	8.2	72.9	72.6	73.2	4	Region 31	3.8	3.6	3.9	7.5	6.7	7.9	73.2	71.9	74.6
3	Region 29	3.9	3.8	3.9	8.0	7.9	8.1	72.7	72.4	73.0	1	Region 33	3.2	3.2	3.2	7.0	7.0	7.0	73.9	73.9	73.9
4	Region 30	3.9	3.6	4.1	8.7	8.4	9.2	72.5	72.2	73.1	1	Region 34	3.4	3.4	3.4	8.1	8.1	8.1	73.6	73.6	73.6
1	Region 32	4.3	4.3	4.3	8.0	8.0	8.0	71.6	71.6	71.6	1	Region 35	3.2	3.2	3.2	9.6	9.6	9.6	73.9	73.9	73.9
2	Region 34	3.8	3.8	3.8	8.5	8.3	8.7	72.6	72.2	73.1	3	Region 36	3.9	3.5	4.4	7.5	6.6	8.2	73.1	72.7	73.9
2	Region 36	4.2	3.9	4.5	8.8	8.7	8.8	72.1	71.6	72.6											
36	Ave WM 2	3.9			8.4			72.5			25	Ave YM 2	3.6			8.0			73.4		
	Min WM 2		3.5			7.6		71.6				Min YM 2		3.2		6.6				71.9	
	Max WM 2			4.5			9.6		73.6			Max YM 2			4.4		9.6			74.6	

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Number of samples	Region	% (db) Fat			% (db) Protein			% (db) Starch			Number of samples	Region	% (db) Fat			% (db) Protein			% (db) Starch				
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.			ave.	min.	max.	ave.	min.	max.	ave.	min.	max.		
GRADE: WM 3												GRADE: YM3											
1	Region 16	3.8	3.8	3.8	9.7	9.7	9.7	71.9	71.9	71.9	1	Region 17	3.9	3.9	3.9	8.9	8.9	8.9	72.8	72.8	72.8		
1	Region 19	3.8	3.8	3.8	9.4	9.4	9.4	71.8	71.8	71.8	1	Region 30	3.8	3.8	3.8	8.4	8.4	8.4	72.7	72.7	72.7		
1	Region 25	4.2	4.2	4.2	7.5	7.5	7.5	72.5	72.5	72.5													
1	Region 36	3.8	3.8	3.8	8.5	8.5	8.5	72.1	72.1	72.1													
4	Ave WM 3	3.9			8.8			72.0			2	Ave YM3	3.9			8.7			72.7				
	Min WM 3		3.8			7.5		71.8				Min YM3		3.8		8.4			72.7				
	Max WM 3			4.2		9.7		72.5				Max YM3			3.9		8.9			72.8			
GRADE: COM												GRADE: COM											
2	Region 17	4.0	3.7	4.2	9.2	8.9	9.5	71.6	71.6	71.7	1	Region 16	3.7	3.7	3.7	8.6	8.6	8.6	73.1	73.1	73.1		
1	Region 28	4.0	4.0	4.0	8.0	8.0	8.0	72.1	72.1	72.1	1	Region 19	3.4	3.4	3.4	8.6	8.6	8.6	73.7	73.7	73.7		
											1	Region 32	3.5	3.5	3.5	7.5	7.5	7.5	73.3	73.3	73.3		
3	Ave COM	4.0			8.8			71.8			3	Ave COM	3.5			8.2			73.3				
	Min COM		3.7			8.0		71.6				Min COM		3.4		7.5			73.1				
	Max COM			4.2		9.5		72.1				Max COM			3.7		8.6			73.7			
483	Ave White	4.0			8.3			72.4			327	Ave Yellow	3.6			8.2			73.2				
	Min White		3.5			6.4		70.7				Min Yellow		2.9		6.2			71.1				
	Max White			5.1		10.4		74.2				Max Yellow			4.7		10.6			74.8			
810	Ave Maize	3.8			8.3			72.7			810	Ave Maize	3.8			8.3			72.7				
	Min Maize		2.9			6.2		70.7				Min Maize		2.9		6.2			70.7				
	Max Maize			5.1		10.6		74.8				Max Maize			5.1		10.6			74.8			