

**TABLE 15: ROFF MILLING AND WHITENESS INDEX OF WHITE MAIZE ACCORDING TO GRADE (2013/2014)**

Number of samples	Region	RoFF Milling												Whiteness index											
		Break 1, %			Break 2, %			Break 3, %			Grits, %			Bran and Germ, %			Extraction, % (Total meal)			Whiteness index unsifted			Whiteness index sifted 87:13		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
<b>GRADE: WM1</b>																									
7	Region 12	13.5	12.3	15.5	12.0	11.4	12.8	24.1	22.3	25.5	28.8	27.0	30.4	21.5	20.1	23.5	78.5	76.5	79.9	27.9	23.2	34.4	18.2	14.9	21.8
3	Region 13	15.1	14.2	15.7	12.6	12.4	12.8	25.0	23.7	26.2	26.2	25.7	26.7	21.1	20.3	22.4	78.9	77.6	79.7	31.3	23.9	44.5	24.8	17.3	39.1
26	Region 14	14.1	11.8	15.7	12.8	11.4	16.2	24.1	22.5	27.1	28.0	25.9	31.4	21.0	18.8	23.7	79.0	76.3	81.2	28.0	19.6	32.0	18.0	11.9	24.3
3	Region 15	13.5	12.7	14.2	12.5	12.2	12.8	25.3	24.8	26.1	28.8	28.0	29.6	19.9	18.5	21.0	80.1	79.0	81.5	24.5	21.1	26.4	16.0	13.4	17.5
9	Region 16	13.7	12.6	15.0	12.4	11.5	14.4	24.4	22.1	25.3	28.2	27.1	30.3	21.3	18.7	23.2	78.7	76.8	81.3	28.6	24.4	33.5	17.4	14.6	20.7
9	Region 17	15.6	14.6	16.4	13.1	12.0	13.8	25.4	23.1	27.9	25.2	22.5	28.4	20.6	18.6	22.8	79.4	77.2	81.4	26.8	22.8	33.8	16.9	12.7	20.1
6	Region 18	15.5	13.5	17.1	12.9	12.0	14.3	23.5	20.9	28.2	26.7	23.2	28.8	21.4	17.2	24.2	78.6	75.8	82.8	28.0	19.4	36.1	16.8	5.6	24.0
5	Region 19	14.9	14.2	15.5	12.9	12.2	14.2	23.8	21.6	25.6	27.2	26.0	28.8	21.2	18.6	24.3	78.8	75.7	81.4	30.8	27.8	34.1	20.7	19.5	22.5
5	Region 20	14.8	12.8	15.8	13.3	12.0	14.6	24.8	22.1	26.6	25.8	23.1	28.0	21.3	19.5	23.0	78.7	77.0	80.5	26.0	21.3	30.2	16.1	12.5	19.4
39	Region 21	14.4	11.3	18.8	13.1	9.4	15.4	25.4	23.0	28.7	27.3	22.0	33.9	19.8	15.8	22.6	80.2	77.4	84.2	25.1	18.9	31.8	14.5	6.6	22.0
28	Region 22	13.8	9.8	16.9	13.1	11.1	19.0	24.6	20.9	29.3	28.3	23.1	34.4	20.3	15.2	23.2	79.7	76.8	84.8	26.3	19.7	31.9	16.7	8.6	22.3
12	Region 23	13.5	11.4	15.2	13.4	11.5	15.1	25.4	22.6	28.9	27.8	24.4	31.8	19.9	17.9	22.9	80.1	77.1	82.1	25.6	19.9	29.4	17.2	12.1	21.7
42	Region 24	13.7	12.2	17.0	13.4	11.5	22.1	24.9	14.0	28.4	27.8	23.0	30.3	20.2	17.3	24.8	79.8	75.2	82.7	25.4	21.0	31.5	16.2	9.2	21.1
7	Region 25	17.3	15.4	18.9	12.9	11.9	14.0	22.6	21.0	27.7	23.8	21.1	26.2	23.4	20.1	26.5	76.6	73.5	79.9	29.3	18.9	34.7	19.6	17.2	21.7
4	Region 26	17.8	15.8	20.7	14.0	13.1	15.2	24.3	21.4	26.1	23.0	21.9	24.1	20.8	17.1	23.0	79.2	77.0	82.9	23.8	19.6	29.2	14.6	10.5	21.8
1	Region 27	14.8	-	-	13.2	-	-	22.3	-	-	29.5	-	-	20.2	-	-	79.8	-	-	26.3	-	-	17.2	-	-
4	Region 28	14.6	13.1	15.4	13.5	13.1	13.8	22.8	22.2	23.2	29.3	28.4	30.6	19.8	19.5	20.4	80.2	79.6	80.5	26.4	24.3	28.2	17.2	14.1	18.6
22	Region 29	14.4	11.3	23.8	12.9	11.3	14.7	24.2	21.7	27.5	28.0	20.4	31.6	20.4	16.0	23.5	79.6	76.5	84.0	23.6	17.2	29.1	14.1	7.4	19.3
15	Region 30	14.5	12.6	17.0	12.6	11.5	14.8	23.8	21.9	26.6	27.4	23.7	30.0	21.7	18.1	24.1	78.3	75.9	81.9	24.9	18.2	32.4	15.3	9.4	22.2
11	Region 31	13.3	11.3	15.1	12.6	11.9	14.0	24.6	22.9	28.0	28.0	25.6	29.7	21.5	19.3	23.9	78.5	76.1	80.7	24.9	17.5	33.1	15.1	3.7	22.3
5	Region 32	14.5	14.0	15.2	14.0	13.5	14.9	25.5	21.6	27.1	27.0	24.1	32.3	19.0	17.7	20.0	81.0	80.0	82.3	21.3	19.5	23.3	13.4	12.0	15.3
10	Region 33	14.3	12.8	15.9	12.2	11.4	13.0	23.0	21.3	24.3	27.4	23.7	30.9	23.1	20.4	25.1	76.9	74.9	79.6	27.5	23.9	33.0	17.5	12.3	22.6
18	Region 34	14.5	12.5	16.3	13.0	11.9	15.1	25.1	22.3	28.6	26.5	23.4	30.1	20.9	15.9	25.5	79.1	74.5	84.1	24.9	16.9	32.6	15.9	7.8	22.8
6	Region 35	14.7	13.3	17.1	12.8	11.4	14.1	23.5	22.0	26.9	27.6	23.6	33.0	21.4	18.0	22.8	78.6	77.2	82.0	26.5	22.1	30.3	15.6	9.5	19.6
17	Region 36	13.8	12.5	15.3	12.0	11.3	12.7	23.3	21.2	24.8	27.4	25.1	29.5	23.6	20.9	25.6	76.4	74.4	79.1	25.5	20.3	31.2	16.8	8.6	22.5
<b>314</b>	<b>Ave. WM1</b>	<b>14.3</b>			<b>12.9</b>			<b>24.5</b>			<b>27.5</b>			<b>20.9</b>			<b>79.1</b>			<b>26.0</b>			<b>16.3</b>		
	<b>Min. WM1</b>	<b>9.8</b>			<b>9.4</b>			<b>14.0</b>			<b>20.4</b>			<b>15.2</b>			<b>73.5</b>			<b>16.9</b>			<b>3.7</b>		
	<b>Max. WM1</b>	<b>23.8</b>			<b>22.1</b>			<b>29.3</b>			<b>34.4</b>			<b>26.5</b>			<b>84.8</b>			<b>44.5</b>			<b>39.1</b>		

**TABLE 15: ROFF MILLING AND WHITENESS INDEX OF WHITE MAIZE ACCORDING TO GRADE (2013/2014)**  
(continue)

Number of samples	Region	Roff Milling												Whiteness index											
		Break 1, %			Break 2, %			Break 3, %			Grits, %			Bran and Germ, %			Extraction, % (Total meal)			Whiteness index unsifted			Whiteness index sifted 87:13		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
<b>GRADE: WM2</b>																									
1	Region 12	16.5	-	-	12.1	-	-	22.4	-	-	26.2	-	-	22.8	-	-	77.2	-	-	34.3	-	-	23.0	-	-
2	Region 13	14.6	14.1	15.1	12.2	12.0	12.4	23.7	22.1	25.3	26.8	26.5	27.1	22.7	21.1	24.3	77.3	75.7	78.9	29.3	26.5	32.1	18.7	17.8	19.6
3	Region 14	14.1	12.4	15.5	13.1	12.7	13.5	23.5	22.9	24.0	29.0	26.7	30.4	20.3	19.3	20.8	79.7	79.2	80.7	27.7	25.4	31.1	17.3	12.5	21.2
2	Region 16	12.9	11.2	14.7	14.1	12.6	15.6	24.7	23.3	26.1	28.2	27.0	29.4	20.0	17.7	22.3	80.0	77.7	82.3	29.5	26.9	32.1	19.4	17.0	21.7
1	Region 18	14.7	-	-	11.7	-	-	23.6	-	-	26.3	-	-	23.7	-	-	76.3	-	-	24.6	-	-	16.3	-	-
2	Region 19	12.4	11.7	13.1	11.9	11.8	12.0	22.3	22.1	22.6	29.2	28.7	29.7	24.2	23.1	25.2	75.8	74.8	76.9	27.2	21.5	32.9	11.6	8.6	14.6
3	Region 20	15.6	15.2	16.3	13.2	12.5	14.5	23.7	21.9	27.0	25.4	23.7	26.7	22.1	19.5	23.4	77.9	76.6	80.5	27.9	15.5	35.2	14.9	5.7	20.7
5	Region 21	14.5	13.5	15.1	12.7	11.7	13.2	24.5	23.6	26.5	27.9	27.7	28.2	20.3	19.6	21.7	79.7	78.3	80.4	24.2	21.6	27.7	14.8	12.0	20.9
1	Region 22	14.9	-	-	14.4	-	-	27.4	-	-	25.0	-	-	18.4	-	-	81.6	-	-	22.5	-	-	11.9	-	-
2	Region 23	13.1	12.6	13.6	13.0	12.8	13.1	24.1	23.6	24.5	29.2	28.0	30.4	20.6	20.3	21.0	79.4	79.0	79.7	24.8	22.3	27.4	12.8	12.1	13.4
2	Region 24	14.5	14.3	14.7	12.9	12.8	13.0	24.7	24.2	25.1	27.9	27.5	28.3	20.1	18.9	21.2	79.9	78.8	81.1	23.3	15.8	30.7	11.9	4.8	19.1
5	Region 27	14.1	13.3	15.7	13.4	12.7	14.3	24.5	22.3	27.3	26.9	24.5	28.6	21.0	18.1	23.9	79.0	76.1	81.9	20.7	15.8	24.5	11.6	6.5	18.8
8	Region 28	14.5	13.1	16.7	13.3	12.8	13.7	22.4	20.3	23.2	28.6	27.3	30.5	21.2	19.7	23.2	78.8	76.8	80.3	26.3	19.6	31.8	17.4	9.5	22.0
9	Region 29	14.5	12.9	18.1	12.9	11.6	14.9	23.0	19.7	26.8	27.8	23.1	31.1	21.8	18.7	23.3	78.2	76.7	81.3	25.6	23.2	29.1	14.6	9.0	21.2
6	Region 30	14.7	12.0	16.9	12.5	11.9	13.1	23.6	22.1	25.6	27.3	24.8	28.8	22.0	21.7	22.7	78.0	77.3	78.3	22.9	20.1	25.7	15.6	13.2	18.7
9	Region 31	14.0	11.9	16.1	12.5	11.8	13.1	24.0	21.5	26.3	27.4	24.3	28.9	22.2	20.1	25.7	77.8	74.3	79.9	21.6	18.0	28.6	13.8	7.9	22.9
18	Region 32	15.0	12.0	19.0	13.8	11.4	15.5	26.3	22.7	28.4	25.0	22.2	31.2	19.8	15.5	23.3	80.2	76.7	84.5	21.4	16.9	28.4	12.6	9.1	17.0
7	Region 33	15.7	13.4	16.8	13.1	12.4	13.8	23.1	22.3	23.7	25.4	24.2	27.2	22.7	22.0	23.6	77.3	76.4	78.0	24.0	19.5	27.5	15.3	10.0	19.6
12	Region 34	14.9	13.1	17.4	13.9	12.2	16.9	24.8	18.9	28.6	25.9	21.4	32.2	20.5	18.1	23.0	79.5	77.0	81.9	23.6	19.1	29.8	14.2	9.8	21.9
1	Region 35	14.3	-	-	13.2	-	-	18.8	-	-	31.7	-	-	22.1	-	-	77.9	-	-	28.4	-	-	19.0	-	-
3	Region 36	13.3	12.4	14.0	12.2	12.1	12.4	23.1	20.6	25.6	28.0	25.3	31.6	23.5	21.6	25.7	76.5	74.3	78.4	27.1	23.5	29.5	18.4	16.8	21.1
<b>102</b>	<b>Ave. WM2</b>	<b>14.6</b>			<b>13.1</b>			<b>24.1</b>			<b>26.8</b>			<b>21.3</b>			<b>78.7</b>			<b>24.1</b>			<b>14.7</b>		
	<b>Min. WM2</b>	<b>11.7</b>			<b>11.4</b>			<b>18.8</b>			<b>21.4</b>			<b>15.5</b>			<b>74.3</b>			<b>15.5</b>			<b>4.8</b>		
	<b>Max. WM2</b>	<b>19.0</b>			<b>16.9</b>			<b>28.6</b>			<b>32.2</b>			<b>25.7</b>			<b>84.5</b>			<b>35.2</b>			<b>23.0</b>		

**TABLE 15: ROFF MILLING AND WHITENESS INDEX OF WHITE MAIZE ACCORDING TO GRADE (2013/2014)**  
(continue)

Number of samples	Region	RoFF Milling															Whiteness index								
		Break 1, %			Break 2, %			Break 3, %			Grits, %			Bran and Germ, %			Extraction, % (Total meal)			Whiteness index unsifted			Whiteness index sifted 87:13		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
<b>GRADE: WM3</b>																									
1	Region 15	12.9	-	-	12.5	-	-	24.9	-	-	30.0	-	-	19.7	-	-	80.3	-	-	25.8	-	-	17.4	-	-
1	Region 18	14.9	-	-	11.8	-	-	23.6	-	-	26.0	-	-	23.7	-	-	76.3	-	-	28.5	-	-	20.3	-	-
1	Region 23	12.5	-	-	15.0	-	-	29.4	-	-	26.6	-	-	16.5	-	-	83.5	-	-	17.7	-	-	10.6	-	-
1	Region 25	16.2	-	-	13.6	-	-	26.1	-	-	22.9	-	-	21.3	-	-	78.7	-	-	23.1	-	-	12.3	-	-
4	Region 27	15.3	14.7	16.2	14.7	13.1	15.8	24.8	23.0	26.5	24.4	21.3	27.2	20.8	19.3	23.1	79.2	76.9	80.7	26.5	17.1	32.9	15.3	10.5	18.3
1	Region 28	15.1	-	-	13.0	-	-	20.6	-	-	28.7	-	-	22.5	-	-	77.5	-	-	25.9	-	-	17.4	-	-
4	Region 29	14.5	12.7	16.3	13.2	12.0	13.9	23.9	22.4	26.2	27.8	26.9	29.9	20.7	18.3	21.9	79.3	78.1	81.7	15.4	-3.1	30.2	0.0	-18.0	15.6
1	Region 30	13.4	-	-	19.3	-	-	26.8	-	-	20.6	-	-	19.8	-	-	80.2	-	-	39.4	-	-	24.3	-	-
5	Region 32	16.2	15.5	17.1	16.9	14.3	26.2	23.8	14.7	26.9	23.3	22.8	24.5	19.7	17.8	20.3	80.3	79.7	82.2	21.0	18.3	22.3	11.9	10.1	13.3
5	Region 33	16.4	13.9	19.5	12.8	12.4	13.3	22.5	20.7	24.6	24.1	21.5	25.8	24.2	23.0	26.0	75.8	74.0	77.0	24.7	21.0	27.7	13.6	8.9	18.5
8	Region 34	14.9	13.7	16.4	13.9	13.0	14.6	24.1	18.8	26.6	26.6	22.9	30.7	20.4	18.8	21.9	79.6	78.1	81.2	22.4	15.9	26.6	11.5	4.2	15.6
<b>32</b>	<b>Ave. WM3</b>	<b>15.2</b>			<b>14.3</b>			<b>24.1</b>			<b>25.4</b>			<b>21.0</b>			<b>79.0</b>			<b>23.0</b>			<b>12.0</b>		
	<b>Min. WM3</b>	<b>12.5</b>			<b>11.8</b>			<b>14.7</b>			<b>20.6</b>			<b>16.5</b>			<b>74.0</b>			<b>-3.1</b>			<b>-18.0</b>		
	<b>Max. WM3</b>	<b>19.5</b>			<b>26.2</b>			<b>29.4</b>			<b>30.7</b>			<b>26.0</b>			<b>83.5</b>			<b>39.4</b>			<b>24.3</b>		
<b>CLASS: COM</b>																									
1	Region 28	14.4	-	-	13.6	-	-	22.7	-	-	28.2	-	-	21.1	-	-	78.9	-	-	22.9	-	-	12.2	-	-
1	Region 31	12.7	-	-	12.1	-	-	21.9	-	-	29.3	-	-	24.0	-	-	76.0	-	-	18.2	-	-	6.7	-	-
1	Region 34	13.4	-	-	13.4	-	-	21.5	-	-	29.6	-	-	22.2	-	-	77.8	-	-	28.9	-	-	19.6	-	-
<b>3</b>	<b>Ave. COM</b>	<b>13.5</b>			<b>13.0</b>			<b>22.1</b>			<b>29.0</b>			<b>22.4</b>			<b>77.6</b>			<b>23.3</b>			<b>12.8</b>		
	<b>Min. COM</b>	<b>12.7</b>			<b>12.1</b>			<b>21.5</b>			<b>28.2</b>			<b>21.1</b>			<b>76.0</b>			<b>18.2</b>			<b>6.7</b>		
	<b>Max. COM</b>	<b>14.4</b>			<b>13.6</b>			<b>22.7</b>			<b>29.6</b>			<b>24.0</b>			<b>78.9</b>			<b>28.9</b>			<b>19.6</b>		
451	Ave. white maize	14.4			13.1			24.4			27.2			21.0			79.0			25.3			15.6		
	Min. white maize	9.8			9.4			14.0			20.4			15.2			73.5			-3.1			-18.0		
	Max. white maize	23.8			26.2			29.4			34.4			26.5			84.8			44.5			39.1		