

**TABLE 17: ROFF MILLING AND WHITENESS INDEX OF WHITE MAIZE ACCORDING TO GRADE (2016/2017)**

Number of samples	Region	Roff Milling												Whiteness index											
		Break 1, %			Break 2, %			Break 3, %			Grits, %			Chop, %			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>																									
2	Region 10	12.7	12.4	13.0	10.7	10.4	11.0	23.0	22.1	23.9	33.2	32.5	33.9	20.3	20.2	20.5	79.7	79.5	79.8	28.0	26.9	29.2	24.7	20.6	28.8
1	Region 11	14.6	-	-	10.4	-	-	22.3	-	-	33.1	-	-	19.6	-	-	80.4	-	-	25.4	-	-	15.9	-	-
13	Region 12	15.2	14.3	17.6	10.3	9.6	11.8	20.8	19.1	22.1	32.2	29.0	34.1	21.5	19.5	23.4	78.5	76.6	80.5	27.7	21.7	31.8	21.9	16.8	27.1
20	Region 13	15.7	13.3	18.8	10.2	8.9	11.4	20.8	19.5	23.6	31.4	27.4	35.7	21.9	19.6	23.2	78.1	76.8	80.4	26.9	20.7	35.0	19.1	12.2	25.2
30	Region 14	15.3	14.0	16.4	10.2	8.4	11.2	21.6	19.4	24.0	32.2	30.6	33.9	20.7	19.2	22.5	79.3	77.5	80.8	27.7	22.3	38.4	20.2	15.0	26.4
4	Region 15	14.9	13.5	16.8	10.6	10.0	11.3	21.1	19.9	22.0	32.0	30.2	33.1	21.4	20.5	22.6	78.6	77.4	79.5	28.5	27.9	29.9	21.6	19.0	23.7
15	Region 17	15.7	14.3	17.9	10.5	9.8	11.1	21.2	20.1	22.9	31.1	27.9	32.7	21.5	19.4	24.0	78.5	76.0	80.6	28.3	25.6	32.8	19.9	14.4	26.6
6	Region 18	16.0	14.4	17.1	10.5	9.6	11.3	20.4	18.6	21.7	31.6	29.7	34.4	21.5	20.8	22.3	78.5	77.7	79.2	28.0	25.4	31.6	21.7	17.9	25.1
11	Region 19	15.9	14.8	18.4	10.2	9.3	11.1	20.7	19.3	22.2	31.8	29.9	33.8	21.3	19.9	22.3	78.7	77.7	80.1	26.8	22.1	31.3	21.4	15.4	28.0
21	Region 20	15.5	13.8	17.2	10.4	9.3	11.3	21.2	19.1	24.2	31.9	29.4	35.6	21.1	19.4	22.8	78.9	77.2	80.6	25.1	17.3	31.2	17.8	10.5	27.0
56	Region 21	13.9	11.3	17.1	10.6	9.2	11.9	21.7	19.0	24.1	32.2	22.8	37.1	21.6	18.8	30.3	78.4	69.7	81.2	26.2	19.9	31.1	17.6	12.5	22.1
31	Region 22	14.6	12.7	17.0	10.7	9.0	11.4	22.4	20.2	24.1	31.7	28.5	34.5	20.5	18.3	22.6	79.5	77.4	81.7	26.6	20.9	33.8	18.3	11.4	27.6
16	Region 23	15.3	13.9	16.9	10.9	10.2	11.9	21.5	19.5	24.4	31.3	29.0	33.4	21.0	19.2	23.2	79.0	76.8	80.8	29.1	25.3	33.4	22.1	16.8	32.9
16	Region 24	14.8	13.5	16.5	10.7	9.9	12.8	21.8	20.4	24.2	31.5	29.3	33.1	21.2	19.3	23.0	78.8	77.0	80.7	27.3	23.0	30.1	19.7	13.6	25.2
4	Region 25	15.2	14.7	15.8	10.4	10.3	10.6	22.3	21.3	24.8	29.8	28.6	31.0	22.3	19.3	23.6	77.7	76.4	80.7	23.6	19.5	26.1	15.7	12.7	19.7
19	Region 26	14.6	10.5	17.0	10.3	8.4	11.4	20.9	17.9	23.2	31.8	28.2	36.5	22.4	19.3	24.2	77.6	75.8	80.7	25.7	16.2	34.6	16.9	6.7	34.2
21	Region 28	13.2	9.5	15.5	10.4	9.3	12.5	21.7	20.2	23.0	32.9	29.4	36.2	21.7	19.8	23.4	78.3	76.6	80.2	25.9	21.3	30.4	18.6	14.5	28.6
26	Region 29	13.2	10.1	15.7	10.5	9.6	11.5	22.2	19.8	30.0	33.0	28.2	36.3	21.1	19.1	23.3	78.9	76.7	80.9	23.8	17.6	27.7	14.0	8.0	18.4
17	Region 30	13.7	12.0	16.4	10.7	9.2	12.0	22.9	20.7	32.9	31.5	22.3	34.2	21.3	19.4	22.9	78.7	77.1	80.6	22.9	17.5	34.5	14.7	7.4	21.8
15	Region 31	13.4	11.5	15.9	10.4	9.2	11.1	21.8	19.7	26.0	32.0	28.0	34.4	22.5	19.1	24.4	77.5	75.6	80.9	23.6	15.0	27.6	14.4	3.1	18.4
19	Region 32	13.5	10.9	15.0	10.5	9.6	11.4	21.6	20.5	23.1	32.5	29.8	35.3	21.9	19.8	23.5	78.1	76.5	80.2	24.1	11.9	31.7	14.9	-0.5	22.3
38	Region 33	13.4	11.1	15.3	10.3	9.3	11.6	21.8	19.8	23.7	32.7	29.5	35.2	21.7	20.0	23.5	78.3	76.5	80.0	22.9	-5.4	29.0	13.9	-14.3	20.7
38	Region 34	13.7	10.9	16.8	10.6	9.7	11.8	21.5	19.0	23.4	32.7	30.2	35.5	21.5	19.2	23.8	78.5	76.2	80.8	24.9	20.0	29.7	15.8	11.6	20.9
5	Region 35	13.4	10.4	15.4	10.6	8.8	11.6	21.6	21.0	22.5	32.9	30.4	37.5	21.6	19.6	22.2	78.4	77.8	80.4	28.8	25.0	35.6	21.6	17.0	26.5
25	Region 36	13.4	11.4	15.7	10.2	9.2	11.3	21.7	19.8	23.5	33.5	30.2	36.3	21.3	19.4	22.9	78.7	77.1	80.6	23.5	17.1	29.0	17.8	10.6	27.3
<b>469</b>	<b>Ave. WM1</b>	<b>14.3</b>	<b>9.5</b>	<b>18.8</b>	<b>10.5</b>	<b>8.4</b>	<b>12.8</b>	<b>21.6</b>	<b>17.9</b>	<b>32.9</b>	<b>32.2</b>	<b>22.3</b>	<b>37.5</b>	<b>21.4</b>	<b>18.3</b>	<b>30.3</b>	<b>78.6</b>	<b>69.7</b>	<b>81.7</b>	<b>25.7</b>	<b>-5.4</b>	<b>38.4</b>	<b>17.6</b>	<b>-14.3</b>	<b>34.2</b>

**TABLE 17: ROFF MILLING AND WHITENESS INDEX OF WHITE MAIZE ACCORDING TO GRADE (2016/2017) (continue)**

Number of samples	Region	Roff Milling												Whiteness index											
		Break 1, %			Break 2, %			Break 3, %			Grits, %			Chop, %			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>																									
4	Region 12	15.6	14.1	18.4	10.4	9.4	11.3	20.7	20.2	21.3	32.5	28.7	35.9	20.8	20.2	21.9	79.2	78.1	79.8	25.9	21.7	29.2	20.5	17.8	26.1
8	Region 13	14.9	12.9	17.0	10.4	10.0	11.1	21.6	20.5	23.3	31.9	27.9	35.8	21.2	19.8	23.6	78.8	76.4	80.2	27.2	20.5	35.1	19.6	11.4	25.7
1	Region 14	16.5	-	-	11.1	-	-	22.2	-	-	27.6	-	-	22.6	-	-	77.4	-	-	28.3	-	-	20.4	-	-
5	Region 17	15.9	14.5	17.3	11.2	10.1	13.1	20.5	20.0	21.3	30.5	28.7	33.1	21.8	20.3	23.3	78.2	76.7	79.7	26.3	20.5	34.7	20.5	13.2	37.6
1	Region 18	16.5	-	-	10.9	-	-	20.2	-	-	32.4	-	-	20.0	-	-	80.0	-	-	27.3	-	-	18.5	-	-
9	Region 19	15.6	13.1	17.2	10.9	10.0	11.6	21.2	19.8	22.8	31.5	29.2	33.5	20.9	19.0	22.8	79.1	77.2	81.0	24.2	13.3	34.5	16.5	7.6	24.6
1	Region 20	14.6	-	-	9.0	-	-	20.5	-	-	33.4	-	-	22.5	-	-	77.5	-	-	16.4	-	-	9.5	-	-
1	Region 21	12.6	-	-	10.5	-	-	23.2	-	-	32.2	-	-	21.5	-	-	78.5	-	-	27.7	-	-	19.0	-	-
1	Region 23	14.5	-	-	10.5	-	-	21.7	-	-	33.6	-	-	19.7	-	-	80.3	-	-	28.2	-	-	23.6	-	-
3	Region 26	15.6	12.7	17.5	10.8	10.6	11.3	21.9	21.0	23.1	30.1	26.6	35.1	21.6	19.9	22.6	78.4	77.4	80.1	27.7	25.7	31.0	19.7	13.5	22.9
4	Region 29	13.4	11.9	14.1	10.6	10.0	11.2	21.2	20.8	21.8	33.6	30.9	36.3	21.3	19.8	23.5	78.7	76.5	80.2	22.8	15.3	27.2	14.4	7.0	18.1
3	Region 30	13.2	11.3	15.8	10.1	9.3	11.2	22.0	21.8	22.3	32.7	30.4	34.4	22.0	20.4	23.1	78.0	76.9	79.6	24.1	19.8	32.7	15.7	10.6	22.8
2	Region 31	11.7	11.5	11.8	10.2	10.1	10.2	21.5	21.1	21.8	33.5	33.4	33.7	23.1	23.1	23.2	76.9	76.8	76.9	26.1	23.8	28.5	17.3	15.7	19.0
8	Region 32	14.7	12.6	16.1	10.8	9.9	11.8	21.1	19.4	22.1	31.1	29.5	33.3	22.4	21.2	25.3	77.6	74.7	78.8	25.7	19.0	30.9	15.9	9.1	22.5
5	Region 33	13.5	13.0	14.2	10.7	9.3	11.5	22.1	21.1	23.3	33.3	32.9	34.0	20.5	19.2	22.1	79.5	77.9	80.8	21.8	18.4	25.9	16.6	10.5	23.8
1	Region 34	14.5	-	-	11.7	-	-	22.2	-	-	29.8	-	-	21.8	-	-	78.2	-	-	28.2	-	-	18.3	-	-
2	Region 35	13.9	13.7	14.2	10.8	10.7	10.9	22.3	21.6	23.1	32.5	31.1	33.9	20.4	19.4	21.4	79.6	78.6	80.6	24.1	23.6	24.5	16.6	14.9	18.3
3	Region 36	13.1	11.9	14.5	10.3	9.9	10.6	22.1	21.5	22.8	32.7	31.7	33.6	21.8	20.8	22.5	78.2	77.5	79.2	23.2	20.9	27.8	17.8	14.4	23.2
<b>62</b>	<b>Ave. WM2</b>	<b>14.6</b>	<b>11.3</b>	<b>18.4</b>	<b>10.7</b>	<b>9.0</b>	<b>13.1</b>	<b>21.4</b>	<b>19.4</b>	<b>23.3</b>	<b>31.9</b>	<b>26.6</b>	<b>36.3</b>	<b>21.4</b>	<b>19.0</b>	<b>25.3</b>	<b>78.6</b>	<b>74.7</b>	<b>81.0</b>	<b>25.1</b>	<b>13.3</b>	<b>35.1</b>	<b>17.7</b>	<b>7.0</b>	<b>37.6</b>
	<b>Min. WM2</b>																								
	<b>Max. WM2</b>																								

**TABLE 17: ROFF MILLING AND WHITENESS INDEX OF WHITE MAIZE ACCORDING TO GRADE (2016/2017) (continue)**

Number of samples	Region	Roff Milling												Whiteness index											
		Break 1, %			Break 2, %			Break 3, %			Grits, %			Chop, %			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: WMS</b>																									
1	Region 13	14.5	-	-	10.4	-	-	21.6	-	-	31.0	-	-	22.6	-	-	77.4	-	-	20.7	-	-	9.1	-	-
1	Region 17	18.0	-	-	11.4	-	-	22.4	-	-	27.1	-	-	21.1	-	-	78.9	-	-	31.5	-	-	20.8	-	-
1	Region 19	13.9	-	-	9.9	-	-	21.4	-	-	31.9	-	-	22.9	-	-	77.1	-	-	19.3	-	-	15.5	-	-
1	Region 20	16.6	-	-	10.2	-	-	22.9	-	-	29.7	-	-	20.6	-	-	79.4	-	-	20.2	-	-	7.4	-	-
1	Region 30	14.1	-	-	9.9	-	-	22.1	-	-	32.8	-	-	21.1	-	-	78.9	-	-	18.4	-	-	10.1	-	-
1	Region 32	11.4	-	-	9.8	-	-	21.0	-	-	36.2	-	-	21.5	-	-	78.5	-	-	18.1	-	-	10.6	-	-
1	Region 35	15.6	-	-	11.1	-	-	21.3	-	-	30.1	-	-	21.9	-	-	78.1	-	-	25.3	-	-	14.0	-	-
2	Region 36	12.8	12.8	12.8	10.0	9.7	10.3	23.4	23.2	23.5	33.6	33.4	33.9	20.2	20.0	20.4	79.8	79.6	80.0	25.5	25.3	25.8	19.4	17.5	21.3
<b>9</b>	<b>Ave. WMS</b>	<b>14.4</b>			<b>10.3</b>			<b>22.2</b>			<b>31.8</b>			<b>21.3</b>			<b>78.7</b>			<b>22.7</b>			<b>14.0</b>		
	<b>Min. WMS</b>	<b>11.4</b>			<b>9.7</b>			<b>21.0</b>			<b>27.1</b>			<b>20.0</b>			<b>77.1</b>			<b>18.1</b>			<b>7.4</b>		
	<b>Max. WMS</b>	<b>18.0</b>			<b>11.4</b>			<b>23.5</b>			<b>36.2</b>			<b>22.9</b>			<b>80.0</b>			<b>31.5</b>			<b>21.3</b>		
<b>CLASS: COM</b>																									
1	Region 13	14.0	-	-	10.3	-	-	22.4	-	-	31.9	-	-	21.4	-	-	78.6	-	-	13.9	-	-	4.1	-	-
3	Region 19	15.4	13.0	17.1	10.4	10.0	10.9	22.2	20.9	22.9	31.3	30.0	33.5	20.7	19.7	21.7	79.3	78.3	80.3	25.6	22.4	28.3	15.5	12.8	17.4
1	Region 20	14.5	-	-	10.3	-	-	20.4	-	-	33.2	-	-	21.7	-	-	78.3	-	-	27.7	-	-	22.2	-	-
1	Region 31	13.2	-	-	10.0	-	-	20.4	-	-	33.7	-	-	22.7	-	-	77.3	-	-	-4.3	-	-	-17.5	-	-
2	Region 33	11.5	11.2	11.8	10.2	9.5	10.9	21.6	21.0	22.3	33.8	33.1	34.5	22.9	22.0	23.8	77.1	76.2	78.0	11.0	5.7	16.4	2.3	-4.0	8.5
1	Region 35	14.9	-	-	10.2	-	-	21.5	-	-	30.7	-	-	22.7	-	-	77.3	-	-	28.4	-	-	19.0	-	-
<b>9</b>	<b>Ave. COM</b>	<b>14.0</b>			<b>10.3</b>			<b>21.6</b>			<b>32.3</b>			<b>21.8</b>			<b>78.2</b>			<b>18.3</b>			<b>8.8</b>		
	<b>Min. COM</b>	<b>11.2</b>			<b>9.5</b>			<b>20.4</b>			<b>30.0</b>			<b>19.7</b>			<b>76.2</b>			<b>-4.3</b>			<b>-17.5</b>		
	<b>Max. COM</b>	<b>17.1</b>			<b>10.9</b>			<b>22.9</b>			<b>34.5</b>			<b>23.8</b>			<b>80.3</b>			<b>28.4</b>			<b>22.2</b>		
<b>549</b>	<b>Ave. white maize</b>	<b>14.3</b>			<b>10.5</b>			<b>21.6</b>			<b>32.2</b>			<b>21.4</b>			<b>78.6</b>			<b>25.4</b>			<b>17.4</b>		
	<b>Min. white maize</b>	<b>9.5</b>			<b>8.4</b>			<b>17.9</b>			<b>22.3</b>			<b>18.3</b>			<b>69.7</b>			<b>-5.4</b>			<b>-17.5</b>		
	<b>Max. white maize</b>	<b>18.8</b>			<b>13.1</b>			<b>32.9</b>			<b>37.5</b>			<b>30.3</b>			<b>81.7</b>			<b>38.4</b>			<b>70.4</b>		