

TABLE 14: PHYSICAL QUALITY CHARACTERISTICS OF YELLOW MAIZE ACCORDING TO GRADE (2019/20)

Number of samples	Region	Test weight (kg/ht)			100 kernel mass (g)			Kernel size (%)						Breakage susceptibility (%)						Stress cracks (%)			SAGL Milling index 2020			GYA					
		ave.	min.	max.	ave.	min.	max.	Above 10 mm sieve		Below 8 mm sieve		Below 8 mm sieve		< 6.35 mm sieve		< 4.75 mm sieve		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.					
								ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.										min.	max.			
GRADE: YM1																															
12	Region 10	78.6	74.9	80.0	34.9	29.9	38.6	5.0	1.8	14.9	67.4	63.0	74.6	27.6	15.2	34.3	0.5	0.0	0.9	0.4	0.0	0.7	12	4	23	74	59	82	63	60	65
9	Region 11	80.3	79.1	82.1	36.0	32.2	37.9	4.6	1.0	7.1	67.9	60.0	79.1	27.6	14.1	39.0	0.8	0.3	1.5	0.7	0.3	1.2	9	4	17	81	75	85	65	63	66
2	Region 12	78.3	76.2	80.3	32.9	32.1	33.6	15.1	4.9	25.2	65.1	62.1	68.1	19.9	12.7	27.0	1.2	0.8	1.5	0.9	0.6	1.3	11	8	14	87	81	92	66	65	68
4	Region 14	77.5	76.4	78.5	31.2	28.8	32.2	7.7	3.9	14.8	67.9	56.9	74.7	24.4	15.5	38.2	0.8	0.3	1.8	0.6	0.1	1.6	14	7	24	91	84	97	67	66	69
3	Region 15	79.4	77.0	82.4	32.4	28.1	35.7	2.4	0.9	3.6	63.8	56.5	67.9	33.8	29.5	40.8	1.0	0.4	1.7	0.8	0.3	1.3	15	10	23	79	67	86	65	62	66
1	Region 16	77.7	-	-	29.0	-	-	11.9	-	-	65.2	-	-	22.9	-	-	0.7	-	-	0.5	-	-	8	-	-	88	-	-	67	-	-
1	Region 17	78.7	-	-	29.2	-	-	3.8	-	-	69.5	-	-	26.7	-	-	1.6	-	-	1.3	-	-	14	-	-	86	-	-	66	-	-
3	Region 18	77.4	76.0	79.2	29.0	26.9	30.2	5.2	4.9	5.4	66.8	59.7	72.9	28.0	21.9	35.4	0.9	0.3	1.3	0.7	0.1	1.1	10	8	14	78	65	86	64	61	66
2	Region 19	77.0	76.1	77.9	28.9	28.5	29.2	9.2	7.4	11.0	70.7	67.2	74.2	20.1	18.4	21.8	0.6	0.5	0.8	0.4	0.4	0.4	10	8	11	79	72	86	65	63	66
6	Region 20	77.9	76.0	80.9	31.4	27.5	35.3	9.8	4.9	13.5	69.4	65.5	72.2	20.9	17.8	27.9	0.8	0.3	1.4	0.5	0.2	0.9	9	6	16	83	76	85	65	64	66
6	Region 21	76.3	74.6	78.4	30.3	27.5	33.4	7.8	1.1	13.8	66.2	57.7	74.9	26.1	16.0	37.1	0.9	0.2	1.9	0.7	0.1	1.3	12	7	19	79	58	92	65	60	68
1	Region 22	75.2	-	-	30.4	-	-	9.5	-	-	64.5	-	-	26.0	-	-	1.1	-	-	0.7	-	-	11	-	-	80	-	-	65	-	-
1	Region 23	78.2	-	-	30.6	-	-	0.9	-	-	59.6	-	-	39.5	-	-	2.2	-	-	1.9	-	-	15	-	-	77	-	-	64	-	-
6	Region 24	78.0	76.1	79.0	35.0	31.0	39.3	3.6	1.6	6.2	67.5	62.2	70.8	28.9	25.0	35.8	1.2	0.0	3.9	0.9	0.0	2.7	18	8	31	75	65	89	64	61	67
6	Region 25	74.6	72.8	76.0	30.0	26.8	33.0	7.5	4.8	14.9	67.2	62.4	70.7	25.4	14.4	31.0	1.0	0.5	1.5	0.6	0.4	1.0	18	9	25	60	32	73	60	53	63
6	Region 26	76.2	73.3	77.9	29.0	26.3	33.2	6.3	2.5	16.0	63.9	56.9	72.2	29.9	14.3	38.5	0.8	0.4	1.5	0.5	0.3	0.9	12	7	23	78	60	92	64	60	68
10	Region 27	76.4	74.1	80.4	30.9	28.8	34.3	9.2	5.7	13.9	67.1	58.6	72.0	23.7	16.4	35.5	0.7	0.1	2.2	0.4	0.0	1.1	12	4	25	80	70	95	65	62	68
18	Region 28	76.5	72.9	80.9	28.2	21.9	32.9	5.1	0.9	10.0	60.4	42.8	75.1	34.4	20.0	54.8	0.7	0.1	1.4	0.5	0.1	0.9	9	5	18	76	65	92	64	61	68
26	Region 29	76.7	68.2	79.8	31.0	25.6	35.9	11.3	2.9	22.6	66.6	50.3	75.0	22.1	9.3	46.8	0.7	0.0	1.4	0.5	0.0	1.2	11	4	29	81	72	93	65	63	68
24	Region 30	75.3	71.8	77.9	28.8	23.8	35.3	9.8	1.5	23.5	65.2	52.2	77.3	25.0	6.1	40.7	1.1	0.2	2.7	0.8	0.1	1.7	14	5	28	77	66	87	64	61	66
25	Region 31	77.5	74.2	80.9	30.9	24.0	38.0	13.1	1.6	28.4	65.0	46.4	75.2	21.8	8.5	51.3	0.6	0.0	1.8	0.4	0.0	1.0	10	3	22	80	68	91	65	62	67
21	Region 32	76.9	73.7	79.7	30.9	24.0	33.6	11.3	3.1	22.3	68.8	53.1	77.9	19.9	10.9	41.9	0.7	0.1	2.3	0.5	0.0	1.9	10	3	22	76	65	84	64	61	66
12	Region 33	75.9	74.0	78.2	28.6	23.5	31.3	9.0	1.4	17.3	66.1	58.0	75.5	24.9	16.5	36.7	1.0	0.4	1.7	0.7	0.2	1.5	14	7	22	72	57	83	63	59	65
17	Region 34	77.4	74.7	81.6	31.6	28.0	34.9	9.4	3.5	27.4	70.0	60.9	82.1	20.6	10.4	32.3	0.5	0.1	1.1	0.3	0.0	1.0	7	2	16	81	72	94	65	63	68
4	Region 35	77.3	76.0	78.5	31.2	24.4	36.3	8.7	1.7	19.8	63.4	35.2	77.0	27.9	15.0	63.1	0.6	0.3	1.0	0.5	0.3	0.9	10	4	13	83	80	88	65	65	67
18	Region 36	77.1	70.6	79.9	32.8	21.4	37.2	8.2	0.0	21.4	64.6	52.6	78.8	27.2	9.9	47.4	1.0	0.1	2.5	0.7	0.1	1.9	17	4	38	78	47	94	64	57	68
244	Ave. YM1	77.0			31.0			8.9	0.0	28.4	66.2			25.0			0.8			0.6		12			78			64			
	Min. YM1	68.2			21.4			0.0			35.2			6.1			0.0			0.0		2			32			53			
	Max. YM1	82.4			39.3					28.4	82.1			63.1			3.9			2.7		38			97			69			

TABLE 14: PHYSICAL QUALITY CHARACTERISTICS OF YELLOW MAIZE ACCORDING TO GRADE (2019/20)
(continue)

Number of samples	Region	Test weight (kg/hl)			100 kernel mass (g)			Above 10 mm sieve			Above 8 mm sieve			Below 8 mm sieve			Breakage susceptibility (%)			Stress cracks (%)			SAGL Milling index 2020			GYA					
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.			
GRADE: YM2																															
2	Region 10	79.0	78.9	79.1	34.7	34.1	35.2	1.3	1.0	1.6	60.5	47.2	73.8	38.2	24.6	51.8	1.3	1.2	1.3	0.9	0.7	1.0	15	12	17	81	71	91	65	63	68
1	Region 11	77.6	-	-	31.5	-	-	2.1	-	-	60.5	-	-	37.4	-	-	1.0	-	-	0.9	-	-	8	-	-	75	-	-	63	-	-
1	Region 13	76.1	-	-	30.1	-	-	5.4	-	-	68.6	-	-	26.0	-	-	1.7	-	-	1.6	-	-	17	-	-	81	-	-	65	-	-
1	Region 14	75.1	-	-	26.8	-	-	7.2	-	-	66.1	-	-	26.7	-	-	1.1	-	-	0.7	-	-	18	-	-	83	-	-	66	-	-
2	Region 15	75.1	72.9	77.3	28.5	24.9	32.0	3.6	1.2	5.9	62.9	55.2	70.6	33.6	23.5	43.6	2.7	2.2	3.2	2.0	1.7	2.3	17	15	19	62	49	74	60	57	63
2	Region 16	77.2	74.7	79.7	35.7	33.1	38.3	22.8	22.2	23.4	63.8	63.7	63.8	13.5	12.9	14.0	1.0	0.4	1.5	0.7	0.2	1.2	15	6	24	86	77	95	66	64	68
2	Region 18	75.6	75.3	75.9	29.8	27.4	32.1	8.5	7.6	9.3	64.6	59.8	69.3	27.0	21.4	32.6	1.6	1.1	2.1	1.3	0.7	2.0	16	13	19	73	72	74	63	63	63
3	Region 21	74.2	72.9	76.6	30.6	27.7	35.5	6.2	2.3	10.3	73.4	69.5	78.5	20.4	19.2	21.9	1.5	1.0	1.7	1.1	0.5	1.5	25	21	28	73	67	79	63	62	65
4	Region 22	75.1	73.1	77.5	31.0	28.2	33.0	3.5	1.4	8.0	61.4	58.4	63.9	35.1	28.1	40.1	1.5	0.9	2.0	1.1	0.7	1.6	16	10	22	75	74	76	64	63	64
4	Region 24	74.5	70.2	77.7	30.0	28.7	32.9	6.1	3.0	10.9	68.6	62.0	78.7	25.4	10.4	35.0	2.0	1.3	2.8	1.5	1.1	2.2	33	22	42	72	63	86	63	61	66
1	Region 25	72.4	-	-	29.7	-	-	5.3	-	-	65.0	-	-	29.7	-	-	2.8	-	-	1.6	-	-	33	-	-	67	-	-	62	-	-
8	Region 26	75.0	70.6	76.9	29.5	26.3	33.1	10.2	2.5	17.9	64.0	57.4	70.7	25.8	15.6	39.8	1.4	0.5	3.3	0.9	0.1	2.2	17	9	24	69	55	80	62	59	65
5	Region 27	75.3	74.5	76.9	28.4	27.0	30.3	5.4	0.8	8.4	66.8	63.1	70.1	27.8	22.3	33.4	0.8	0.6	1.5	0.6	0.4	0.9	14	7	26	80	76	87	65	64	67
7	Region 28	74.7	71.2	77.3	23.7	18.9	30.0	3.5	0.0	8.3	50.3	31.2	66.7	46.2	25.0	67.0	1.4	0.6	3.5	0.7	0.4	1.6	17	9	28	79	69	83	64	62	66
7	Region 29	75.4	70.5	78.7	28.7	19.9	36.2	10.6	1.1	20.4	62.8	46.7	71.3	26.6	12.0	52.2	0.7	0.2	1.5	0.5	0.1	1.0	11	4	18	82	76	90	65	64	67
6	Region 30	73.4	69.0	75.9	27.8	19.8	30.6	6.3	2.4	9.7	65.0	58.7	67.9	28.8	23.3	38.9	1.2	0.5	2.1	0.9	0.5	1.5	18	8	30	72	60	83	63	60	65
5	Region 31	75.3	70.4	79.0	26.5	15.0	33.2	7.2	1.3	20.6	53.1	37.7	69.4	39.7	10.0	61.0	1.4	0.8	2.9	0.7	0.3	1.4	13	6	20	76	69	82	64	62	65
8	Region 32	76.4	72.9	79.3	29.4	24.9	32.0	10.7	1.5	19.0	62.5	51.3	68.0	26.8	16.3	44.9	1.6	0.2	4.9	1.0	0.1	3.2	17	8	32	79	72	84	64	63	66
5	Region 33	76.4	72.9	78.4	28.5	24.5	31.8	7.1	2.1	15.5	63.3	60.5	64.8	29.7	20.1	36.0	1.3	0.6	3.0	0.9	0.4	2.2	15	8	32	79	72	86	64	63	66
5	Region 36	76.2	74.1	78.3	30.1	28.0	31.5	7.3	0.0	17.4	54.5	41.9	66.2	38.2	16.4	56.6	1.2	0.6	1.7	1.0	0.4	1.5	19	16	25	82	74	91	65	63	67
79	Ave. YM2	75.4	69.0	79.7	28.9	15.0	38.3	7.4	0.0	23.4	61.8	31.2	78.7	30.7	10.0	67.0	1.4	0.2	4.9	0.9	0.1	3.2	17	4	42	77	49	95	64	57	68

TABLE 14: PHYSICAL QUALITY CHARACTERISTICS OF YELLOW MAIZE ACCORDING TO GRADE (2019/20)
(continue)

Number of samples	Region	Test weight (kg/hl)		100 kernel mass (g)		Above 10 mm sieve			Kernel size (%)			Below 8 mm sieve			Breakage susceptibility (%)			Stress cracks (%)			SAGL Milling index 2020			GYA						
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.		
GRADE: YM3																														
1	Region 11	78.5	-	-	36.6	-	-	3.1	-	-	72.1	-	-	24.8	-	-	0.3	-	-	5	-	-	76	-	-	64	-	-		
2	Region 24	73.5	71.6	75.4	28.0	25.8	30.1	1.8	1.7	1.9	65.4	61.5	69.3	32.8	29.0	36.6	1.3	0.5	2.1	19	15	22	67	62	73	62	60	63		
2	Region 27	74.6	71.8	77.3	26.6	24.4	28.8	6.8	6.5	7.0	64.7	63.3	66.0	28.6	27.0	30.2	1.0	0.3	1.6	20	9	31	77	65	89	64	61	67		
4	Region 28	73.6	73.1	74.2	24.8	19.4	27.5	6.5	1.3	9.1	55.1	30.2	69.2	38.5	22.0	68.5	0.7	0.4	0.8	12	9	13	70	66	74	62	61	63		
1	Region 29	74.9	-	-	32.0	-	-	10.5	-	-	72.0	-	-	17.5	-	-	0.3	-	-	16	-	-	72	-	-	63	-	-		
1	Region 30	71.9	-	-	24.0	-	-	1.6	-	-	51.8	-	-	46.6	-	-	0.3	-	-	11	-	-	61	-	-	60	-	-		
1	Region 32	78.1	-	-	29.3	-	-	15.6	-	-	57.7	-	-	26.7	-	-	0.3	-	-	8	-	-	78	-	-	64	-	-		
1	Region 34	75.9	-	-	29.0	-	-	7.1	-	-	62.0	-	-	30.9	-	-	0.3	-	-	5	-	-	87	-	-	66	-	-		
13	Ave. YM3	74.6	-	-	27.6	-	-	6.2	-	-	61.2	-	-	32.6	-	-	0.7	-	-	13	-	-	72	-	-	63	-	-		
	Min. YM3	71.6	-	-	19.4	-	-	1.3	-	-	30.2	-	-	17.5	-	-	0.3	-	-	5	-	-	62	-	-	60	-	-		
	Max. YM3	78.5	-	-	36.6	-	-	15.6	-	-	72.1	-	-	68.5	-	-	2.1	-	-	31	-	-	89	-	-	679	-	-		
CLASS: COM																														
1	Region 8	78.0	-	-	36.6	-	-	2.6	-	-	69.4	-	-	28.0	-	-	0.2	-	-	4	-	-	75	-	-	64	-	-		
1	Region 10	77.6	-	-	37.5	-	-	1.8	-	-	65.9	-	-	32.3	-	-	0.9	-	-	12	-	-	75	-	-	64	-	-		
1	Region 13	75.4	-	-	28.0	-	-	8.7	-	-	69.8	-	-	21.5	-	-	1.0	-	-	18	-	-	83	-	-	66	-	-		
1	Region 14	79.3	-	-	35.8	-	-	10.0	-	-	73.4	-	-	16.6	-	-	0.2	-	-	12	-	-	89	-	-	67	-	-		
1	Region 15	75.9	-	-	38.3	-	-	1.9	-	-	72.8	-	-	25.3	-	-	0.4	-	-	9	-	-	71	-	-	63	-	-		
3	Region 18	75.2	73.6	76.8	27.1	25.5	28.1	3.3	1.2	5.0	64.9	61.6	68.9	31.9	26.1	37.2	1.4	0.8	2.1	18	15	25	83	79	88	65	65	67		
2	Region 23	72.6	71.5	73.6	33.9	33.2	34.6	6.6	5.4	7.7	75.3	72.4	78.1	18.2	16.5	19.9	0.7	0.7	0.7	14	12	15	78	74	82	64	63	65		
5	Region 24	71.8	63.9	79.3	27.5	23.2	32.1	6.6	5.0	8.7	68.5	64.3	72.3	25.0	21.6	27.7	1.9	0.8	3.7	27	10	48	56	34	82	59	54	65		
4	Region 26	70.7	67.4	73.6	30.1	27.5	35.2	13.4	4.1	30.1	66.5	63.8	68.6	20.1	6.1	27.8	2.3	1.3	3.3	21	12	28	58	53	68	59	58	62		
2	Region 27	75.5	75.3	75.7	32.4	29.8	35.0	18.8	12.9	24.6	62.3	59.8	64.8	19.0	15.6	22.3	0.6	0.2	1.1	13	8	17	83	81	84	65	65	66		
2	Region 28	72.5	67.0	77.9	28.3	27.1	29.4	10.8	2.2	19.4	67.7	65.4	69.9	21.6	10.7	32.4	1.9	0.0	3.7	25	4	46	60	44	76	60	56	64		
1	Region 29	76.2	-	-	27.8	-	-	6.9	-	-	71.4	-	-	21.7	-	-	0.7	-	-	12	-	-	82	-	-	65	-	-		
3	Region 31	75.2	73.9	77.7	27.9	25.7	31.9	7.4	5.7	10.4	68.9	64.9	76.0	23.8	18.0	29.4	0.7	0.0	0.9	10	2	18	76	74	78	64	63	64		
5	Region 32	76.6	72.5	78.8	29.1	26.7	35.3	10.0	3.9	13.2	65.0	42.3	80.0	25.0	10.9	53.8	1.1	0.5	1.4	13	9	18	80	76	87	65	64	66		
1	Region 34	74.7	-	-	31.6	-	-	12.1	-	-	68.4	-	-	19.5	-	-	1.0	-	-	9	-	-	80	-	-	65	-	-		

TABLE 14: PHYSICAL QUALITY CHARACTERISTICS OF YELLOW MAIZE ACCORDING TO GRADE (2019/20)
(continue)

Number of samples	Region	Test weight (kg/ht)			100 kernel mass (g)			Above 10 mm sieve			Above 8 mm sieve			Below 8 mm sieve			Breakage susceptibility (%)						Stress cracks (%)			SAGL Milling index 2020			GYA		
		ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.	ave.	min.	max.
5	Region 36	76.6	74.0	79.6	32.5	29.8	38.0	5.3	0.4	12.5	59.0	36.1	77.8	35.7	12.1	61.3	2.0	1.1	2.5	1.5	0.9	2.3	24	18	28	73	64	84	63	61	66
38	Ave. COM	74.7			30.4			8.2	0.4		66.6			25.2			1.6			1.1			18			72			63		
	Min. COM	63.9			23.2			0.4			36.1			6.1			0.0			0.0			2			34			54		
	Max. COM	79.6			38.3			30.1			80.0			61.3			6.0			3.7			48			89			67		
374	Ave. YM	76.3			30.4			8.4	0.0		65.1			26.5			1.0	0.0	6.0	0.7	0.0	3.7	13	2	48	77	32	97	64	53	69
	Min. YM	63.9			15.0			0.0			30.2			6.1			0.0			0.0			2			32			53		
	Max. YM	82.4			39.3			30.1			82.1			68.5			6.0			3.7			48			97			69		
890	Ave. Maize	75.9			33.0			19.7	0.0		63.3			17.1			1.1	0.0	6.3	0.8	0.0	4.1	15	2	58	75	26	99	63	54	69
	Min. Maize	63.4			15.0			0.0			30.2			1.2			0.0			0.0			2			26			54		
	Max. Maize	82.4			44.7			63.7			83.8			68.5			6.3			4.1			58			99			69		