

Descriptor List For Maize

1	Early plant vigour	PLT_VGR	
	To be recorded after 25 days of sowing		
		Poor	1
		Good	2
		Very good	3
		Others	99
2	Days to tasseling	DAY_TASS	
	To be recorded as number of days from sowing to when 50% of the plant have shed pollen. pollen shedding on the central axis is recorded as tassel emergence.		
3	Days of silking	DAY_SILK	
	Number of the days from sowing to when silks have emerged an 50% of the plants. Silk emergence in plants is recorded as days to silk		
4	Tassel texture	TAX_TXT	
	To be recorded after tasseling		
		Lax	3
		Medium	5
		Dense	7
		Others	99
5	Tassel branching	TASS_BRN	
	To be recorded after tasseling		
6	Tassel-anther glume colour	ANT_GCLR	
	To be recorded after tasseling		
		Pink	1
		Green	2
		Light purple	3
		Purple	4
		Others	99

7	Tassel-glume base colour	GLUM_CLR	
		To be recorded after tasseling	
		Absent	0
		Present	1
		Others	99
8	Silk colour at emergence	SILK_CLR	
		To be recorded 5-6 days after silking	
		Green	1
		Pink	2
		Red	3
		Purple	4
		Others	99
9	Leaf colour	LF_CLR	
		To be recorded at full foliage stage	
		Yellowish green	1
		Light green	2
		Green	3
		Dark green	4
		Others	99
10	Leaf orientation	LF_ORI	
		To be recorded at full foliage stage	
		Erect	1
		Drooping	2
		Others	99
11	Leaf pubescence	LF_PUB	
		To be recorded at full foliage stage	
		Absent	0
		Present	1
		Others	99
12	Leaf texture	LF_TEXT	
		To be recorded at full foliage stage	
		Smooth(oily)	1

		Leathery	2
		Normal	3
		Others	99
13	Leaf width	LF_WD	
	To be recorded on the which subtends the uppermost ear(after flowering) and recorded at full foliage stage		
		Narrow	3
		Medium	5
		Others	99
14	Anthocyanin pigmentation	ANTH_PIG	
	To be recorded at full foliage stage		
		Absent	0
		Present	1
		Others	99
15	Plant height	PLT_HGT	
	To be measured from ground level to the base of the tassel(after milk stage)		
16	Ear shape	EAR_SHP	
		Cylindrical	1
		Cylindrical-conical	2
		Conical	3
		Round	4
		Others	99
17	Ear length	EAR_LT	
	To be measured at the central part of the upper most ear		
18	Ear width	EAR_WD	
	To be measured at the central part of the upper most ear		
19	Number of ears per plant	EAR_PLT	

20	Ear height(cm) To be measured from base of the plant to the point bearing the first ear	EAR_HGT	
21	Green cob yield per plant To be recorded on 5 random plants at the end of milking stage of cob formation	COB_YLDG	
22	Days of 80% maturity To be recorded as the number of days from date of sowing to 80% maturity of the crop	DAY_MAT	
23	Husk cover To be recorded using ears on at least 5 random plants	HUSK_CVR	
	Poor		3
	Intermediate		5
	Good(tight)		7
	Others		99
24	Kernel row arrangement	KER_ARR	
		Regular	1
		Irregular	2
		Straight	3
		Spiral	4
		Others	99
25	Number of kernel rows TO be recorded as number of kernel rows in the central part of the Uppermost ear	KER_ROW	
26	Kernel colour	KER_CLR	
		White	1
		Yellow	2
		Purple	3

		Variegated	4
		Brown	5
		Orange	6
		Others	99
27	Grain texture	GRN_TXT	
	To be recorded after harvesting		
			1
			2
			3
			99
28	Grain shape	GRN_SHP	
	To be recorded after harvesting		
		Shrunken	1
		Round	2
		Indented	3
		Pointed	4
		Others	99
29	Grain size	GRN_SIZ	
	To be recorded after harvesting		
		Small	3
		Medium	5
		Bold	7
		Others	99
30	100 seed weight(g)	SED_WGT	
	To be recorded after harvesting		
31	Grain yield per plant(g)	YLD_PLT	
	Average yield of 5 random plants are scored		
32	Biotic stress susceptibility	BSS	
	Specify in the infestation or infection using any 1-9 scale. Note: For additional information as common name(s) of disease(s)/pest(s) and casual organism(s) may be appended in the biotic notes descriptor		

