

MORPHOLOGICAL CHARACTERISTICS OF DUS REFERENCE VARIETIES/CULTIVARS 2016-17

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1	VTL- 3	0.97	3.39	34.25	8.59	2.78	10.12	286.62	107.71	91.82	55.8	32.35	41.03	29.25	5.08	3.65	14.23	1.71	6.52	1.8	2.58	7.71
2	VTL- 11	1.04	4.31	30.74	9.06	3.4	14.61	295.04	110.67	88.63	50.72	41.23	32.15	30.92	5.9	3.52	12.35	1.32	7.00	2.26	2.01	5.34
3	VTL- 17	1.17	3.93	33.52	10.02	2.85	13.69	282.47	115.82	85.69	57.25	39.85	30.14	38.93	5.16	4.34	9.63	0.92	1.12	1.82	2.66	8.51
4	VTL- 60	1.18	4.35	29.97	9.23	3.64	16.75	285.04	128.03	106.14	50.27	42.32	24.85	39.87	4.79	4.12	12.35	0.75	4.39	1.57	2.25	7.96
5	VTL- 12	0.9	3.27	29.24	8.71	3.44	16.65	293.77	112.85	95.47	54.41	41.72	27.96	28.58	4.94	3.25	12.37	0.45	6.34	1.82	2.32	6.03
6	VTL- 62	1.09	4.01	30.07	7.81	2.49	11.05	287.16	128.83	89.66	31.81	34.58	21.52	34.30	4.37	3.75	12.42	1.01	6.77	1.76	2.17	5.65
7	VTL- 75	1.26	4.32	29.76	8.62	2.73	14.25	301.24	132.46	78.69	52.32	31.25	27.45	43.34	5.45	4.71	17.32	1.30	9.59	1.92	2.63	7.73
8	VTL- 49	0.83	3.61	32.62	12.18	3.28	13.85	285.31	128.63	98.36	42.75	40.85	20.34	28.69	3.85	2.74	10.75	1.21	5.10	1.49	2.01	5.63
9	VTL- 64	1.1	3.35	37.26	11.32	2.87	16.83	276.71	113.14	89.28	38.67	37.12	28.32	28.57	4.58	3.9	11.47	1.07	3.10	1.85	2.71	8.37
10	VTL- 52	1.03	4.03	23.45	10.47	2.37	12.38	249.37	143.08	82.01	42.65	27.37	18.36	29.46	4.08	4.18	12.85	0.74	5.99	1.71	2.88	6.86
11	VTL- 48	1.03	4.15	29.25	12.71	3.21	15.46	233.87	102.32	98.12	33.96	34.25	27.35	28.33	4.75	3.61	9.35	0.32	3.41	2.38	2.26	5.94
12	VTL- 56	1.23	7.58	14.38	2.63	1.85	2.23	142.85	84.57	48.07	25.89	21.52	27.32	20.33	5.12	3.08	6.25	0.15	3.63	1.75	2.01	2.62
13	VTL- 47	1.13	4.19	30.63	10.12	3.21	16.23	293.85	113.02	95.62	64.09	47.96	26.28	28.36	4.61	3.14	11.32	1.03	5.67	1.54	2.03	5.65
14	VTL- 146	1.17	3.83	31.54	9.12	3.42	14.52	312.8	131.14	103.76	73.17	57.12	24.52	42.22	5.13	4.43	14.96	1.63	6.24	1.86	2.7	8.72
15	VTL-56 × VTL-11	1.29	4.69	18.12	3.21	2.57	1.32	125.32	72.35	62.32	57.22	24.32	18.27	26.65	4.71	3.53	8.27	0.42	3.96	1.83	2.05	4.31
16	VTL- 56 × VTL-60	1.35	4.96	18.11	2.86	1.35	1.85	142.08	69.17	41.02	47.37	21.85	16.57	34.6	5.43	4.21	7.95	0.65	4.00	1.96	2.43	3.95

1- Sl. No.; 2- Varieties/ characters; 3- Collar girth; 4- No. of leaves/seedling; 5- Seedling height; 6- Plant height; 7- Crown length; 8- Internode length; 9- Leaf length; 10- Leaf breadth; 11- Leaf sheath length; 12- Leaf sheath breadth; 13- Spadix length; 14- Spadix breadth; 15- Fresh fruit weight; 16- Fruit length; 17- Fruit breadth; 18- Dry fruit weight; 19- Husk thickness; 20- Husk weight; 21- Kernel length; 22- Kernel breadth; 23- Kernel dry weight.

MORPHOLOGICAL/NUT CHARACTERISTICS OF DUS REFERENCE VARIETIES/CULTIVARS 2017-18

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1	VTL- 3	1.02	4.13	47.21	7.90	2.92	14.74	238.73	109.37	97.34	62.37	43.36	18.47	29.10	4.67	3.85	10.79	1.95	8.16	1.71	2.37	7.37
2	VTL- 11	1.12	4.56	36.75	12.60	4.40	12.37	233.02	123.07	92.63	82.74	38.49	17.25	28.76	4.68	3.56	10.5	1.15	8.76	1.96	2.34	6.34
3	VTL- 17	1.32	3.32	42.85	9.75	3.28	13.47	134.36	109.12	68.41	33.42	45.79	12.65	35.4	4.64	3.82	10.62	0.79	7.20	1.63	2.47	6.02
4	VTL- 60	1.41	3.95	34.96	8.23	5.25	11.75	189.47	117.04	110.36	59.64	51.05	14.69	45.46	5.18	4.32	16.32	0.36	8.12	2.10	2.48	8.18
5	VTL- 12	0.75	3.08	47.27	7.90	5.20	13.67	160.32	120.34	110.20	43.45	58.63	18.25	20.51	4.94	3.24	8.71	0.68	2.68	1.83	2.32	6.03
6	VTL- 62	1.15	3.96	49.34	8.68	3.60	12.47	302.31	121.18	97.34	38.63	49.27	14.36	34.39	4.62	3.41	12.71	1.02	4.29	1.72	2.52	12.71
7	VTL- 75	1.18	4.09	34.21	12.30	3.62	17.34	265.32	102.54	78.32	44.12	67.00	20.03	43.30	5.45	4.71	14.67	1.47	7.23	1.90	2.63	7.73
8	VTL- 49	0.96	3.71	37.94	8.10	3.57	16.34	272.32	88.14	72.00	50.42	54.20	10.02	41.32	5.37	4.15	12.39	1.17	6.86	1.78	2.07	7.89
9	VTL- 64	1.09	3.12	36.70	11.03	2.88	18.97	276.71	113.10	89.28	38.67	42.01	13.24	37.71	5.09	4.23	13.27	0.54	4.73	2.42	1.71	7.12
10	VTL- 52	1.13	4.75	27.65	10.15	3.35	14.65	315.00	122.03	100.02	61.30	64.20	16.37	32.69	4.31	4.44	12.56	0.36	3.13	2.56	1.72	8.69
11	VTL- 48	1.24	4.63	27.67	8.45	2.27	17.66	354.30	144.32	113.02	67.41	47.37	19.89	33.65	4.52	4.14	21.14	0.24	14.32	2.41	1.73	7.70
12	VTL- 56	1.31	9.32	11.75	2.83	1.23	1.37	136.01	97.32	53.41	67.24	26.37	28.12	20.33	5.31	3.18	7.75	0.35	3.21	1.75	2.01	4.60
13	VTL- 47	0.98	3.74	47.64	12.84	1.32	17.69	351.02	153.21	94.32	48.14	47.39	23.47	35.02	5.82	4.01	13.66	1.24	6.32	2.16	2.35	8.42
14	VTL- 146	1.32	3.12	49.36	8.62	2.35	18.39	317.35	132.37	105.42	63.78	76.34	18.36	35.63	5.09	3.96	11.25	1.15	6.95	2.21	2.45	7.39
15	VTL-56 × VTL- 11	1.42	5.32	12.37	3.65	2.12	1.97	204.14	126.37	72.39	46.56	37.98	47.24	26.62	4.71	3.53	8.82	1.01	3.21	1.83	2.05	5.31
16	VTL- 56 × VTL- 60	1.63	5.74	16.75	3.45	2.61	1.24	153.70	97.92	62.85	58.28	28.30	22.47	34.6	5.43	4.21	12.90	1.05	4.36	1.96	2.43	7.95

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