

Company Name						
Crop Name		TOMATO				
Variety Name						
Types of Variety: (Hybrid/ composite/ synthetic/ improved/ Single cross/ Double cross)						
S. No.	Characteristics	States	Note	Hybrid/ Research variety	Female	Male
1	2	3	4	5	6	7
1	Seedling: Anthocyanin colouration of hypocotyl	Absent	1			
		Present	9			
2	Leaf: Intensity of green colour	Light	3			
		Medium	5			
		Dark	7			
3	Plant: Growth type	Determinate	1			
		Indeterminate	2			
4	Stem: Pubescence	Absent	1			
		Present	9			
5	Stem: Anthocyanin colouration of upper third portion	Absent	1			
		Weak	3			
		Medium	5			
		Strong	7			
6	Stem: Length of internode between 1 st and 4 th inflorescence (for indeterminate varieties)(cm)	Short (<25)	3			
		Medium (25-40)	5			
		Long(>40)	7			
7	Stem: Length of internode between 1 st and 4 th inflorescence (for determinate varieties) (cm)	Short (<20)	3			
		Medium (20 –30)	5			
		Long (>30)	7			
8	Leaf: Length (cm)	Short(<25)	3			
		Medium(25-30)	5			
		Long(>30)	7			
9	Leaflet: Length (cm)	Short (<5)	3			
		Medium (5-10)	5			
		Long (>10)	7			
10	Leaf: Width (cm)	Narrow(<15)	3			
		Medium(15-20)	5			
		Broad(>20)	7			
11	Leaflet: Width (cm)	Narrow(<4))	3			
		Medium(4-6)	5			
		Broad(>6)	7			
12	Leaflet: Serration	Absent (potato type)	1			
		Less serrated	3			
		Highly serrated	7			
13	Leaf: Structure	Open	3			
		Intermediate	5			
		Closed	7			
14	Leaf: Attitude in relation to main stem (in middle third of plant)	Semi-erect	3			
		Horizontal	5			
		Drooping	7			
15	Leaf: Attitude of petioles of leaflets in relation to main axis	Semi-erect	3			
		Horizontal	5			
		Semi-drooping	7			

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1	2	3	4	5	6	7
16	Inflorescence: Type (2nd and 3rd truss)	Uniparous	1			
		Intermediate	2			
		Multiparous	3			
17	Plant: Number of inflorescence on main stem (side shoots to be ignored) (for determinate varieties only)	Few (<4)	3			
		Medium (4-8)	5			
		Many (>8)	7			
18	Flower: Fasciations (1st flower of inflorescence)	Absent	1			
		Present	9			
19	Flower: Pubescence of style	Absent	1			
		Present	9			
20	Flower: Colour	Yellow	1			
		Orange	2			
21	Flower: Anther colour	Green	1			
		Yellow	2			
22	Flower: Nature of stigma	Non-exserted	1			
		Exserted	2			
23	Flower: Stigma	Unilobe	1			
		Bilobe	2			
		Multilobe	3			
24	Flower: Calyx size (cm)	Short(<1)	3			
		Medium(1-1.5)	5			
		Large(>1.5)	7			
25	Peduncle: Abscission layer	Absent (jointless)	1			
		Present (jointed)	9			
26	Jointed peduncle: Length (from abscission layer to calyx) (cm)	Short (<1.5)	3			
		Medium (1.5-2.0)	5			
		Long (>2.0)	7			
27	Time of flowering (50% of the plants with at least one open flower from seed sowing) (days)	Early (<65)	3			
		Medium (65-80)	5			
		Late (>80)	7			
28	Fruit: Intensity of green colour (before maturity)	Light	3			
		Medium	5			
		Dark	7			
29	Fruit: Green shoulder (before maturity)	Absent	1			
		Present	9			
30	Fruit: Size (average weight of 10 fruits) (g)	Very small(<100)	1			
		Small (100-200)	3			
		Medium (201- 700)	5			
		Large (701-1000)	7			
		Very large (>1000)	9			
31	Fruit: Length (cm)	Very short (<3.0)	1			
		Small (3.0- 5.0)	3			
		Medium (5.1-7.0)	5			
		Large (7.1 -9.0)	7			
		Very large (>9.0)	9			

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1	2	3	4	5	6	7	
32	Fruit: Width (cm)	Very short (<3.0)	1				
		Small (3.0-5.0)	3				
		Medium (5.1	5				
		-7.0)					
		Large (7.1 -9.0)					7
		Very large (>9.0)					9
33	Fruit: Shape in longitudinal section	Flattened	1				
		Slightly flattened	2				
		Circular	3				
		Rectangular	4				
		Cylindrical	5				
		Heart shaped	6				
		Obovoid	7				
		Ovoid	8				
		Pear shaped	9				
34	Fruit: Ribbing at peduncle end	Absent	1				
		Weak	3				
		Medium	5				
		Strong	7				
35	Fruit: Cross section	Not round	1				
		Round	2				
36	Fruit: Depression at peduncle end	Absent	1				
		Shallow	3				
		Medium	5				
		Deep	7				
37	Fruit: Size of scar around peduncle (diameter) (cm)	Small (<1.0)	3				
		Medium (1.1-2.0)	5				
		Large (>2.0)	7				
38	Fruit: Size of blossom scar	Small	3				
		Medium	5				
		Large	7				
39	Fruit: Shape at blossom end	Indented	1				
		Indented to flat	2				
		Flat	3				
		Flat to pointed	4				
		Pointed	5				
40	Fruit: Size of core in cross section(in relation to total diameter) (mm)	Small (<3)	3				
		Medium(3-5)	5				
		Large(>5)	7				
41	Fruit: Thickness of the pericarp (cm)	Thin (<0.3)	3				
		Medium (0.3 to 0.6)	5				
		Thick (>0.6)	7				
42	Fruit: Number of locules	2	1				
		3--4	2				
		>4	3				
43	Fruit: Colour at maturity	Yellow	1				
		Orange	2				
		Pink	3				
		Red	4				

S. No.	Characteristics	States	Note	Hybrid/ Research variety	Female	Male
1	2	3	4	5	6	7
44	Fruit: Colour of flesh at maturity	Yellow	1			
		Orange	2			
		Pink	3			
		Red	4			
45	Fruit: Firmness (kg/cm ²)	Soft(<3)	1			
		Medium(3-6)	2			
		Firm(>6)	3			
46	Time of maturity (from seed sowing)	Early (110 days)	3			
		Medium 110-130 days)	5			
		Late (>130days)	7			
47	Fruit: Total soluble solids (⁰ Brix)	Low (<3)	3			
		Medium (3.1 -4)	5			
		High (4.1-5.0)	7			
		Very high (>5)	9			