

Company Name						
Crop Name		SUNFLOWER				
Variety Name						
Types of Variety: (Hybrid/ composite/ synthetic/ improved/ Single cross/ Double cross)						
No.	Characteristics	States	Note	Hybrid/Research Variety	Female	Male
1	2	3	4	5	6	7
1	Hypocotyl: Anthocyanin pigmentation	Absent	1			
		Medium	5			
		Strong	9			
2	Plant : Time of 50% flowering (days)	Early (<60)	3			
		Medium (60-75)	5			
		Late (>75)	7			
3	Leaf : Size (cm)	Small (<15)	1			
		Medium (15-25)	3			
		Large (>25)	5			
4	Leaf : Shape	Lanceolate	1			
		Triangular	2			
		Cordate	3			
		Rounded	4			
5	Leaf : Colour	Light green	3			
		Green	5			
		Dark green	7			
6	Leaf : Blistering	Absent	1			
		Medium	5			
		Strong	7			
7	Leaf : Serration	Fine	3			
		Medium	5			
		Coarse	7			
8	Leaf : Angle of lateral veins	Acute (<90°)	1			
		Obtuse(≥90°)	2			
9	Leaf : Orientation of blade	Erect	1			
		Drooping	2			
10	Leaf : Petiole anthocyanin pigmentation	Absent	1			
		Present	9			
11	Stem : Pigmentation	Absent	1			
		Present	9			
12	Ray floret : Number	Few (<30)	3			
		Medium (30-40)	5			
		Many(>40)	7			
13	Ray floret : Shape	Elongated	1			
		Ovate	2			
		Rounded	3			
14	Ray floret : Colour	Light yellow	1			
		Yellow	2			
		Orange	3			
		Purple	4			

Seal and Signature of Plant Breeder

Seal and Signature of Company

No.	Characteristics	States	Note	Hybrid/Research Variety	Female	Male
1	2	3	4	5	6	7
15	Disk floret : Colour	Yellow	1			
		Orange	2			
		Purple	3			
16	Disk floret : Anthocyanin pigmentation of stigma	Absent	1			
		Medium	5			
		Strong	9			
17	Disk floret : Pollen colour	White	1			
		Yellow	2			
18	Bract : Shape	Elongated	1			
		Rounded	2			
19	Bract : Anthocyanin pigmentation	Absent	1			
		Present	9			
20	Plant : Natural position of closest lateral head to the central head (end of flowering-branched)	Above	1			
		Below	9			
21	Head : Attitude	Inclined	1			
		Vertical	2			
		Half turned down	3			
		Turned down	4			
22	Head : Diameter (cm)	Small (<15)	3			
		Medium (15-20)	5			
		Large (>20)	7			
23	Head : Shape of grain side	Concave	1			
		Flat	2			
		Convex	3			
		Irregular	4			
		regular	5			
24	Plant : Height (cm)	Very short(<80)	1			
		Short (80-110)	3			
		Medium(111-140)	5			
		Tall (141-170)	7			
		Very tall (>170)	9			
25	Plant : Branching	Absent	1			
		Present	9			
26	Plant : Type of branching	Basal	1			
		Overall	2			
		Apical	3			
27	Seed : Length (cm)	Short (<1)	3			
		Medium(1-1.5)	5			
		Long(>1.5)	7			
28	Seed : Shape	Elongated	1			
		Ovoid elongated	2			
		Ovoid wide	3			

No.	Characteristics	States	Note	Hybrid/Research Variety	Female	Male
1	2	3	4	5	6	7
29	Seed : Weight (100 seeds weight in g)	Low (<4)	3			
		Medium (4-6)	5			
		High(>6)	7			
30	Seed coat : Base colour	White	1			
		Grey	2			
		Brown	3			
		Black	4			
31	Seed coat : Stripes	Absent	1			
		Present	9			
32	Seed coat : Colour of stripes	White	1			
		Grey	2			
		Brown	3			
		Black	4			
33	Seed : Hull content (%)	Low (<25)	3			
		Medium (25-30)	5			
		High (>30)	7			
34	Seed : Oil content (%)	Low(<35)	3			
		Medium (35-40)	5			
		High (40-43)	7			
		Very high (>43)	9			