

Company Name						
Crop Name		SAFFLOWER				
Variety Name						
Types of Variety: (Hybrid/ composite/ synthetic/ improved/ Single cross/ Double cross)						
No.	Characteristics	States	Note	Hybrid/Re search Variety	Female	Male
1	2	3	4	5	6	7
1	First leaf : Length of blade (cm)	Very short (<6)	1			
		Short (6-8)	3			
		Medium (8.1-10)	5			
		Long (10.1-12)	7			
		Very long (>12)	9			
2	First leaf : Width of blade (cm)	Very narrow (<1.5)	1			
		Narrow (1.5-2.0)	3			
		Medium (2.1-2.5)	5			
		Broad (2.51-3.0)	7			
		Very broad (>3.0)	9			
3	First leaf : Ratio (Length/width of blade)	Very low (<1.5)	1			
		Medium (2.51-3.5)	5			
		High (3.51-4.5)	7			
		Very high (>4.5)	9			
4	First leaf : Dentations	Absent/very weak	1			
		Weak	3			
		Medium	5			
		Strong	7			
		Very strong	9			
5	Plant : Time of 50% flowering (days)	Very early(<65)	1			
		Early (65-75)	3			
		Medium(76-85)	5			
		Late (86-95)	7			
		Very late (>95)	9			
6	Petal : Colour	White	1			
		Pale yellow	2			
		Yellow	3			
		Orange	4			
7	Petal : Change of colour (Faded stage)	Grey white	1			
		Pinkish white	2			
		Golden yellow	3			
		Orange	4			
		Red	5			
8	Leaf : Length of blade (cm)	Very short(<4)	1			
		Short(4-8)	3			
		Medium(8.1-12)	5			
		Long(12.1-16)	7			
		Very long (>16)	9			
9	Leaf: Width of blade (cm)	Very narrow(<2)	1			
		Narrow(2-3)	3			
		Medium(3.1-4)	5			
		Broad(4.1-5)	7			
		Very broad(>5)	9			

No.	Characteristics	States	Note	Hybrid/Re search Variety	Female	Male
1	2	3	4	5	6	7
10	Leaf: Ratio (Length/ width of blade)	Very low (<1.5)	1			
		Low(1.5-2.5)	3			
		Medium(2.51-3.5)	5			
		High(3.51-4.5)	7			
		Very high(>4.5)	9			
11	Leaf: Shape	Fusiform	1			
		Ovate	2			
		Elliptic	3			
		Obovate	4			
12	Leaf: Number of spines	Absent/very few	1			
		Few	3			
		Medium	5			
		Many	7			
		Very many	9			
13	Leaf: Dentations	Absent	1			
		Weak	3			
		Medium	5			
		Strong	7			
		Very strong	9			
14	Capitulum : Length of outer involucre bract of main capitula(cm)	Short(<2.5)	3			
		Medium(2.5-5.0)	5			
		Long(>5.0)	7			
15	Capitulum : Width of outer involucre bract of main capitula(cm)	Narrow(<1.5)	3			
		Medium(1.5-2.0)	5			
		Broad(>2.0)	7			
16	Capitulum : Ratio of length/width of outer involucre bract	Low(<2)	3			
		Medium(2.0-3.0)	5			
		High(>3.0)	7			
17	Capitulum : Number of spines on outer involucre bract of main capitula	Absent	1			
		Sparse	3			
		Dense	5			
18	Capitulum : Diameter of main capitula (cm)	Small (<2.0)	3			
		Medium(2.0-2.5)	5			
		Large (>2.5)	7			
19	Plant : Height of insertion of first branch (From ground level)(cm)	Very short (<6)	1			
		Short (6-15)	3			
		Medium(16-25)	5			
		Tall (26-35)	7			
		Very tall (>35)	9			
20	Plant : Length of longest primary branch	Very short (<40)	1			
		Short (40-45)	3			
		Medium(45.1-50)	5			
		Long (50.1-55)	7			
		Very long (>55)	9			
21	Plant : Height upto main capitula (cm)	Very short (<51)	1			
		Short (51-60)	3			
		Medium (61-70)	5			
		Tall (71-80)	7			
		Very tall (>80)	9			

No.	Characteristics	States	Note	Hybrid/Re search Variety	Female	Male
1	2	3	4	5	6	7
22	Seed : Weight of 1000 seeds (g)	Very low (<41)	1			
		Low (41-50)	3			
		Medium(51-60)	5			
		High (61-70)	7			
		Very high (>70)	9			
23	Seed : Colour	White	1			
		White yellowish	2			
		Brown yellowish	3			
		Brown	4			
24	Seed : Number/ main capitula	Low (<15)	3			
		Medium (15-30)	5			
		High (>30)	7			
25	Seed: Hull content (%)	Low (<40)	3			
		Medium (40-50)	5			
		High (>50)	7			
26	Seed : Oil content (%)	Low (<25)	3			
		Medium(25-30)	5			
		High (31-33)	7			
		Very high(>33)	9			