

Company Name						
Crop Name		Oat				
Variety Name						
Types Of Variety :(Hybrid/Composite/Synthetic/Improved/Single Cross/Double Cross)						
S. No.	Characteristics	Sates	Note/ Score	Hybrid/ Research variety	Female	Male
1	2	3	4	5	7	8
1	Early plant vigour	Poor	1			
		Good	2			
		Very good	3			
2	Early plant growth habit	Erect	1			
		Semi- prostrate	2			
		Prostrate	3			
3	Lowest Leaves: hairiness of sheaths	Absent	1			
		Weak	3			
		Medium	5			
		Strong	7			
4	Leaf blade: hairiness of margins of leaf below flag leaf	Absent/Weak	3			
		Medium	5			
		Strong	7			
5	Leaf colour	Dark green (139A)	1			
		Brown Green (137B)	2			
		Green (137D)	3			
6	Days to 50% flowering	Early (<95 days)	3			
		Medium (95 to 110 Days)	5			
		Late (>110 Days)	7			
7	Main culm : hairiness on upper most node	Absent	1			
		Present	9			
8	Panicle : awnness	Absent	1			
		Present	9			
9	Flag leaf blade length	Short (< 30 cm)	3			
		Medium ( 30 to 40 cm)	5			
		Long (> 40 cm)	7			
10	Flag leaf : blade width	Narrow (< 2.0 cm)	3			
		Medium (2 to 2.5 cm)	5			
		Broad (> 2.5 cm)	7			
11	Main culm: pithiness	Without pith	1			
		With pith	9			
12	Main culm: diameter (between 3-4 internodes from base)	Low (< 7.00 mm)	3			
		Medium (7.0 to 8.50 mm)	5			
		High (> 8.50 mm)	7			

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1	2	3	4	5	7	8
13	Main culm : number of nodes on main culm Main culm :	Low (< 5)	3			
		Medium (5 to 7)	5			
		High (> 7)	7			
14	internode length (between 3-4 <sup>th</sup> internode from top)	Short (< 15 cm)	3			
		Medium (15 to 20cm)	5			
		Long (> 20cm)	7			
15	No. of panicle bearing tillers	Monoculm	1			
		Low (<7)	3			
		Medium (7 to 10)	5			
		High (> 10)	7			
16	Main culm : peduncle length	Short (<5cm)	3			
		Medium (5 to 10cm)	5			
		Long (> 10 cm)	7			
17	Main culm : panicle length	Short (< 30 cm)	3			
		Medium (30 to 40 cm)	5			
		Long (> 40 cm)	7			
18	Panicle : orientatio n of branches	Unilateral	1			
		Sub-unilateral	2			
		Equilateral	3			
19	Panicle : attitude of branches	Semi erect	3			
		Horizontal	5			
		Drooping	7			
20	Primary grain: hairiness on lemma surface	Absent	1			
		Present	9			
21	Primary grain: length of lemma	Short (<1.6 cm)	3			
		Medium (1.6 to 2 cm)	5			
		Long (> 2 cm)	7			
22	Outer glume length	Short (< 2.5 cm)	3			
		Medium (2.5 to 3 cm)	5			
		Long (> 3.00 cm)	7			
23	Plant height (base to panicle)	Short (< 125 cm)	3			
		Medium (125 to 150)	5			
		Tall (150 to 175 cm )	7			
		Very tall (> 175 cm)	9			
24	Days to maturity	Early (< 125 days)	3			
		Medium (126 to 145 days )	5			
		Late (> 145 days)	7			

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1	2	3	4	5	7	8
25	Grain : colour of lemma	Yellow white(158 A)	1			
		Grey yellow (161A)	3			
		Grey brown (199 A)	5			
		Brown (200 D)	7			
		Black (202 A)	9			
26	Primary grain: hairiness of base	Absent	1			
		Medium	3			
		Dense	7			
27	Primary grain : length of basal hairs	Short	3			
		Medium	5			
		Long	7			
28	Primary grain: length of rachilla	Short	3			
		Medium	5			
		Long	7			
29	1000-seed weight	Low (< 20g)	3			
		Medium (20 to 30 g)	5			
		High (>30 g)	7			