

**Name of Company:-**

**Name of Crop:- COTTON**

**Name of Variety / Hybrid:-**

S.No	DUS Characteristics	States	Note	Hybrid/ Research Variety	Female	Male
1	2	3	4	5	6	7
1	Hypocotyl: Pigmentation	Absent	1			
		Present	9			
2	Leaf: Colour	Light green	1			
		Green	2			
		Light red	3			
		Dark red	4			
3	Leaf: Hairiness	Sparse	1			
		Medium	5			
		Dense	9			
4	Leaf: Appearance	Cup	1			
		Flat	2			
5	Leaf: Gossypol glands	Absent	1			
		Present	9			
6	Leaf: Nectaries	Absent	1			
		Present	9			
7	Leaf: Petiole pigmentation	Absent	1			
		Present	9			
8	Leaf: Shape	Palmate (Normal)	1			
		Semi-digitate (Semi- okra)	2			
		Digitate (Okra)	3			
		Lanceolate (Super okra)	4			
9	Plant: Stem	Smooth	1			

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	<b>hairiness</b>	<b>Sparse</b>	<b>3</b>			
		<b>Medium</b>	<b>5</b>			
		<b>Dense</b>	<b>7</b>			
<b>10</b>	<b>Plant: Stem pigmentation</b>	<b>Absent</b>	<b>1</b>			
		<b>Present</b>	<b>9</b>			
<b>11</b>	<b>Plant: Height (cm)</b>	<b>Dwarf (&lt; 60)</b>	<b>1</b>			
		<b>Semi dwarf (60 - 90)</b>	<b>3</b>			
		<b>Medium tall (91 - 120)</b>	<b>5</b>			
		<b>Tall (121-150)</b>	<b>7</b>			
		<b>Very tall (&gt; 150)</b>	<b>9</b>			
<b>12</b>	<b>Plant: Growth habit</b>	<b>Zero branching</b>	<b>1</b>			
		<b>Compact (Spreading&lt;30 cm)</b>	<b>3</b>			
		<b>Semi-spreading (31-60 cm)</b>	<b>5</b>			
		<b>Spreading(&gt;60cm)</b>	<b>7</b>			
<b>13</b>	<b>Bract: Type</b>	<b>Normal</b>	<b>3</b>			
		<b>Frego</b>	<b>5</b>			
<b>14</b>	<b>Flower: Time of flowering (50% of plants with at least one open flower)</b>	<b>Early ( &lt;50 days)</b>	<b>3</b>			
		<b>Medium (50-60 days)</b>	<b>5</b>			
		<b>Late ( &gt;60 days)</b>	<b>7</b>			
<b>15</b>	<b>Flower: Petal colour</b>	<b>Cream</b>	<b>1</b>			
		<b>Yellow</b>	<b>2</b>			
		<b>Deep Yellow</b>	<b>3</b>			
		<b>Purple</b>	<b>4</b>			
<b>16</b>	<b>Flower: Petal spot</b>	<b>Absent</b>	<b>1</b>			
		<b>Present</b>	<b>9</b>			
<b>17</b>	<b>Flower: Stigma</b>	<b>Embedded</b>	<b>3</b>			

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		<b>Exerted</b>	<b>5</b>			
<b>18</b>	<b>Flower: Anther filament colouration</b>	<b>Absent</b>	<b>1</b>			
		<b>Present</b>	<b>9</b>			
<b>19</b>	<b>Flower: Pollen colour</b>	<b>White</b>	<b>1</b>			
		<b>Cream</b>	<b>2</b>			
		<b>Yellow</b>	<b>3</b>			
		<b>Deep Yellow</b>	<b>4</b>			
		<b>Purple</b>	<b>5</b>			
<b>20</b>	<b>Flower: Male sterility (Only for A and B lines)</b>	<b>Absent</b>	<b>1</b>			
		<b>Present</b>	<b>9</b>			
<b>21</b>	<b>Boll: Bearing habit</b>	<b>Solitary</b>	<b>1</b>			
		<b>Cluster</b>	<b>9</b>			
<b>22</b>	<b>Boll: Colour</b>	<b>Green</b>	<b>3</b>			
		<b>Red</b>	<b>5</b>			
<b>23</b>	<b>Boll: Shape (longitudinal section)</b>	<b>Round</b>	<b>3</b>			
		<b>Ovate</b>	<b>5</b>			
		<b>Elliptic</b>	<b>7</b>			
<b>24</b>	<b>Boll: Surface</b>	<b>Smooth</b>	<b>1</b>			
		<b>Pitted</b>	<b>9</b>			
<b>25</b>	<b>Boll: Prominence of tip</b>	<b>Blunt</b>	<b>1</b>			
		<b>Pointed</b>	<b>9</b>			
<b>26</b>	<b>Boll: Opening</b>	<b>Semi-open</b>	<b>3</b>			
		<b>Open</b>	<b>5</b>			
<b>27</b>	<b>Boll: Weight of seed cotton/boll (g)</b>	<b>Very small (&lt;3.0 )</b>	<b>1</b>			
		<b>Small (3.0-4.0 )</b>	<b>3</b>			
		<b>Medium (4.1-5.0)</b>	<b>5</b>			
		<b>Large (5.1-6.0 )</b>	<b>7</b>			
		<b>Very large (&gt;6.0)</b>	<b>9</b>			
<b>28</b>	<b>Seed: Fuzz</b>	<b>Naked</b>	<b>1</b>			

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		<b>Sparse</b>	<b>3</b>			
		<b>Medium</b>	<b>5</b>			
		<b>Dense</b>	<b>7</b>			
<b>29</b>	<b>Seed: Fuzz colour</b>	<b>White</b>	<b>1</b>			
		<b>Grey</b>	<b>2</b>			
		<b>Green</b>	<b>3</b>			
		<b>Brown</b>	<b>4</b>			
<b>30</b>	<b>Seed: Index (100 seed wt in gram)</b>	<b>Very small (&lt;5.0)</b>	<b>1</b>			
		<b>Small (5.0-7.0)</b>	<b>3</b>			
		<b>Medium (7.1-9.0)</b>	<b>5</b>			
		<b>Bold (9.1-11.0)</b>	<b>7</b>			
		<b>Very bold (&gt;11.0)</b>	<b>9</b>			
<b>31</b>	<b>Ginning %</b>	<b>Very low(<math>\leq 30</math>)</b>	<b>1</b>			
		<b>Low (31-32)</b>	<b>3</b>			
		<b>Medium (33-34)</b>	<b>5</b>			
		<b>High (35-36)</b>	<b>7</b>			
		<b>Very high (<math>\geq 37</math>)</b>	<b>9</b>			
<b>32</b>	<b>Fibre: Colour</b>	<b>White</b>	<b>1</b>			
		<b>Cream</b>	<b>2</b>			
		<b>Green</b>	<b>3</b>			
		<b>Brown</b>	<b>4</b>			
<b>33</b>	<b>Fibre: Length (2.5 % span length) (mm)</b>	<b>Short (<math>\leq 20</math> )</b>	<b>1</b>			
		<b>Medium (20.5- 24.5)</b>	<b>3</b>			
		<b>Medium long (25.0 - 27.0 )</b>	<b>5</b>			
		<b>Long (27.5 - 32.0 )</b>	<b>7</b>			
		<b>Extra long (<math>\geq 32.5</math> )</b>	<b>9</b>			
<b>34</b>	<b>Fibre: Strength</b>	<b>Very Weak (<math>\leq 16</math>)</b>	<b>1</b>			

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	<b>(g/tex)</b>	<b>Weak (17.0– 20.0)</b>	<b>3</b>			
		<b>Medium (21.0-24.0)</b>	<b>5</b>			
		<b>Strong (25.0 – 28.0)</b>	<b>7</b>			
		<b>Very Strong (≥29.0)</b>	<b>9</b>			
<b>35</b>	<b>Fibre: Fineness (Micronaire value)</b>	<b>Very coarse (≥6.0)</b>	<b>1</b>			
		<b>Coarse (5.0-5.9)</b>	<b>3</b>			
		<b>Medium (4.0- 4.9)</b>	<b>5</b>			
		<b>Fine (3.0-3.9)</b>	<b>7</b>			
		<b>Very fine (≤3.0)</b>	<b>9</b>			
<b>36</b>	<b>Fibre: Uniformity (%)</b>	<b>Poor (&lt;42)</b>	<b>1</b>			
		<b>Fair (42-43)</b>	<b>3</b>			
		<b>Average (44-45)</b>	<b>5</b>			
		<b>Good (46-47)</b>	<b>7</b>			
		<b>Excellent (&gt;47)</b>	<b>9</b>			
<b>37</b>	<b>Fibre: Maturity (%)</b>	<b>Very Immature (≤31)</b>	<b>1</b>			
		<b>Immature (32-49)</b>	<b>3</b>			
		<b>Average (50-65)</b>	<b>5</b>			
		<b>Good (66-80)</b>	<b>7</b>			
		<b>Very Good (≥ 81)</b>	<b>9</b>			

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