ITB 6164  
*Male sterile F1 hybrid*

**Origin:** France  
**Breeder:** Institut du tabac Bergerac  
**Contact:** www.imperial-tobacco-bergerac.com

**Type:** semi-aromatic

**Description**

ITB 6164 is a new early semi-aromatic flue cured F1 hybrid, with very high quality potential, TMV, PVYN and black root-rot resistances.

ITB 6164 showed leaf maturity dates close to ITB 678, much earlier than K 326. It produces tall plants, after topping 20-30% taller than K326 with the same number of usable leaves (higher than ITB 678). The topping date is close to ITB 678, 4-5 days earlier than K 326.

ITB 6164 shows a superior curing ability, fast yellowing and good stay-yellow, and produces an evenly coloured, thin bodied high quality style of flue-cured. The nicotine content is close to ITB 678, and reducing sugars content slightly lower.

**MAIN CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Resistances</th>
<th>Production data (2012):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black root rot: R</td>
<td>Country:</td>
</tr>
<tr>
<td>Powdery mildew: S</td>
<td>Acreage:</td>
</tr>
<tr>
<td>Blue mold: S</td>
<td>% of total acreage:</td>
</tr>
<tr>
<td>TMV: R</td>
<td>ITALY Under test -</td>
</tr>
<tr>
<td>PVY: R</td>
<td>FRANCE Under test -</td>
</tr>
<tr>
<td>Nematodes: nd</td>
<td></td>
</tr>
<tr>
<td>Other: -</td>
<td></td>
</tr>
</tbody>
</table>

R: resistant – S: sensitive – Tol: tolerant  
nd: no data

**Agronomical data and Chemical data**

<table>
<thead>
<tr>
<th></th>
<th>2010-2011 results</th>
<th>% of AERET standard *</th>
<th>% of local standard**</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Yield (kg/ha):</strong></td>
<td>3214</td>
<td>101</td>
<td>90</td>
</tr>
<tr>
<td><strong>Grade index:</strong></td>
<td>89</td>
<td>142</td>
<td>117</td>
</tr>
<tr>
<td><strong>Maturity:</strong></td>
<td>early</td>
<td>90</td>
<td>100</td>
</tr>
<tr>
<td><strong>Nicotine content (%):</strong></td>
<td>1.2</td>
<td>80</td>
<td>88</td>
</tr>
<tr>
<td><strong>Reducing sugars (%):</strong></td>
<td>17</td>
<td>90</td>
<td>94</td>
</tr>
</tbody>
</table>

* AERET standard aromatic flue-cured variety: K 326  
** local standard semi aromatic variety: ITB 678

**REMARKS:**