Production advice ware potatoes France

- Very attractive bright skin
- High yield
- Excellent frying quality
- Good resistance to common scab
- Good storability

### Agronomic characters

<table>
<thead>
<tr>
<th>Character</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maturity</td>
<td>56</td>
</tr>
<tr>
<td>Dormancy</td>
<td>70</td>
</tr>
<tr>
<td>Yield mature</td>
<td>107</td>
</tr>
<tr>
<td>Tuber size</td>
<td>78</td>
</tr>
<tr>
<td>Tuber shape</td>
<td>Oval / Long oval</td>
</tr>
<tr>
<td>Number of tubers</td>
<td>15-17</td>
</tr>
<tr>
<td>Skin colour</td>
<td>Yellow</td>
</tr>
<tr>
<td>Flesh after cooking</td>
<td>Light yellow</td>
</tr>
<tr>
<td>Cooking type</td>
<td>B - Slightly mealy</td>
</tr>
<tr>
<td>Dry matter content/Starch</td>
<td>22,1% / 16,2%</td>
</tr>
<tr>
<td>UWW/Specific gravity</td>
<td>408 / 1,088</td>
</tr>
<tr>
<td>Internal bruising</td>
<td>15</td>
</tr>
<tr>
<td>Metribuzin sensitivity</td>
<td>84</td>
</tr>
<tr>
<td>Little Potato disorder</td>
<td>78</td>
</tr>
</tbody>
</table>

### Plant populations

<table>
<thead>
<tr>
<th>Seed size</th>
<th>Plant population/ha</th>
<th>Row distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>28/35</td>
<td>36.000</td>
<td>37</td>
</tr>
<tr>
<td>35/45</td>
<td>32.000</td>
<td>42</td>
</tr>
<tr>
<td>45/50</td>
<td>28.000</td>
<td>48</td>
</tr>
</tbody>
</table>

Fertilizer

- Adapt fertilization to soil analysis.
- Always refer to the local and current rules about crop fertilization.
- Apply 2/3 before planting and 1/3 as top dressing.
- Nitrogen (N) : Medium inputs (170-210Kg N/ha inclusive of soil supply).
- Potassium and phosphate fertilization as standard advice.
- Sensitive to boron and manganese deficiencies.
  Include them in the fertilizer mix is highly recommended.

### Resistances

- Foliage Blight: 46
- Tuber Blight: 79
- Alternaria: 78
- Common scab: 70
- Powdery scab: 60
- Spraing: 55
- PVY: 22
- Yntn tuber tolerance: 98

### PCN Resistance

- Ro1/4: 1
- Ro2/3: 1
- Pa2: 1
- Pa3: 1

### Wart disease

- F1: 10
- F2: 2
- F6: 2
- F18: 1

*HZPC own analysis/no official analysis*

HZPC takes no responsibility for any harmful consequences that might eventually occur when using this information.

www.hzpc.com

Pour toutes informations complémentaires contacter votre interlocuteur habituel ou nos bureau au 03 62 13 81 24 ou par E-mail : accueil@hzpc.com

9 Dec 2022
Anyone who uses this information is solely responsible for all consequences that might eventually occur when using this information.

Production advice ware potatoes France

Pre-treatment and planting

- CHALLENGER has a long dormancy.
- Do not store the seed potatoes lower than 5°C. Warm them up sufficiently before planting.
- Warm up correctly the seed and plant it with small white sprouts.
- Always treat CHALLENGER seeds against Rhizoctonia.
- Do not plant in cold soils as this will increase the risk of irregular emergence.
- CHALLENGER has a high tuber number; take care of a good volumed ridge.

Growing attention points

- CHALLENGER has a slow emergence but foliage develops strongly at a later stage.
- CHALLENGER has a good tolerance to metribuzin.
- CHALLENGER has a good drought tolerance.
- CHALLENGER is susceptible to Alternaria. Start treatments at flowering time.
- Use a robust Phytophthora programme to prevent foliage blight.

Haulm killing and harvest

- Aim for a dry matter content of 20.5%.
- Haulm killing on a slightly green foliage will result in a brighter skin.
- Minimum 3 weeks between haulm killing and crop lifting for right skin set.
- CHALLENGER is moderately susceptible to bruising. Reduce drop heights and avoid mechanical damage.
- Lift only when soil conditions are optimum.

Storage

- CHALLENGER has a long dormancy and has good storability.
- Storage temperature: 6°C.
- Reduce temperature 0.5-0.7 degrees a day to a stable value of 6°C.
- Ventilate regularly, but briefly, to prevent CO2 accumulation.
- Any fluctuation in temperature, combined with condensation, can result in early sprouting and a high risk of Silver scurf.
- For long-term storage it is necessary to use sprout inhibitors.