Relationship between a sire’s terminal index and the performance of progeny during the finishing period

Introduction: ICBF €uro-Star Indexes (terminal and replacement) assist farmers in selecting and breeding more profitable animals. A star rating system (1-5 stars) is incorporated into the €uro-Star Index.

<table>
<thead>
<tr>
<th>Sire terminal Index</th>
<th>Number of progeny</th>
<th>Final live-weight (kg)</th>
<th>Average daily gain (kg)</th>
<th>Dry matter intake/day (kg)</th>
<th>Carcass weight (kg)</th>
<th>Kill-out %</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Star (€106)</td>
<td>38</td>
<td>646</td>
<td>1.6</td>
<td>12.2</td>
<td>337</td>
<td>52.2</td>
</tr>
<tr>
<td>4 Star (€77)</td>
<td>32</td>
<td>656</td>
<td>1.7</td>
<td>13.1</td>
<td>338</td>
<td>51.6</td>
</tr>
<tr>
<td>3 Star (€65)</td>
<td>36</td>
<td>655</td>
<td>1.6</td>
<td>13.4</td>
<td>336</td>
<td>51.3</td>
</tr>
<tr>
<td>2 Star (€53)</td>
<td>35</td>
<td>660</td>
<td>1.6</td>
<td>13.5</td>
<td>338</td>
<td>51.2</td>
</tr>
<tr>
<td>1 Star (€31)</td>
<td>34</td>
<td>652</td>
<td>1.6</td>
<td>13.7</td>
<td>332</td>
<td>50.0</td>
</tr>
</tbody>
</table>

Table: Performance of dairy beef steers (final 100 days) based on their sire’s terminal index.

Conclusion: Dairy beef steers from 5-star terminal index sires left €65 more profit than steers from 1-star terminal index sires due to better carcass weight and feed efficiency in the final 100 days of finishing.