Grain trade: consideration of food safety risks

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Role of the National Food Safety Authority of Egypt in Enhancing Grain Sector’s Efficiency

10 July 2019
Cairo
Outline

- Trends in cereals consumption and trade projections until 2028
- Food safety risks factors leading towards import rejection: EU historical perspective since July 2014
World grain consumption continues to rise through 2028

Source: OECD-FAO Agricultural Outlook 2019-2028
Wheat imports rise: Egypt is not alone

Source: OECD-FAO Agricultural Outlook 2019-2028
Egypt: increase in grain and oilseeds imports by 2028

<table>
<thead>
<tr>
<th>Product</th>
<th>2017</th>
<th>2028</th>
<th>Increase, %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheat</td>
<td>12,400</td>
<td>15,218</td>
<td>23%</td>
</tr>
<tr>
<td>Maize</td>
<td>10,300</td>
<td>11,145</td>
<td>8%</td>
</tr>
<tr>
<td>Rice</td>
<td>70</td>
<td>705</td>
<td>908%</td>
</tr>
<tr>
<td>Soybeans</td>
<td>2,981</td>
<td>3,632</td>
<td>22%</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>25,751</strong></td>
<td><strong>30,700</strong></td>
<td><strong>19%</strong></td>
</tr>
</tbody>
</table>

Increase from 2017 to 2028, 1000 MT 4,949

*Source: OECD-FAO Agricultural Outlook 2019-2028*
EU is the world’s largest grain importer

Top-10 grain* importers in marketing year 2018-2019 (million MT)

- European Union: 32
- Mexico: 23
- Japan: 23
- Egypt: 23
- China: 19
- Saudi Arabia: 17
- Korea, South: 15
- Vietnam: 14
- Iran: 14
- Indonesia: 13

*Grain: wheat, maize, barley, rice and rye

Source: USDA PSD Online
EU imports of grain have been on a rise

Source: TDM based on Eurostat
EU rejections of imported cereals and bakery products: numbers

Number of rejections of imported cereals and bakery products

Source: EU RASFF – Food and Feed Safety Alerts; Notified between 01/07/2014 and 01/07/2019; Notification type: border rejection Product category: cereals and bakery products
EU rejections of imported cereals and bakery products by reason

Source: own presentation based on EU RASFF – Food and Feed Safety Alerts; Notified between 01/07/2014 and 01/07/2019; Notification type: border rejection Product category: cereals and bakery products
EU rejections of imported cereals and bakery products by reason / grain marketing year

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<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>pesticides (unauthorised or MRL)</td>
<td>8</td>
<td>12</td>
<td>3</td>
<td>20</td>
<td>7</td>
<td>5</td>
<td>55</td>
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<tr>
<td>unauthorised GMO</td>
<td>2</td>
<td>5</td>
<td>3</td>
<td>7</td>
<td>7</td>
<td>3</td>
<td>27</td>
</tr>
<tr>
<td>mycotoxins</td>
<td>2</td>
<td>5</td>
<td>5</td>
<td>4</td>
<td>6</td>
<td>3</td>
<td>25</td>
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<tr>
<td>improper documentation</td>
<td>2</td>
<td>1</td>
<td>4</td>
<td>2</td>
<td>5</td>
<td></td>
<td>14</td>
</tr>
<tr>
<td>others</td>
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<td>2</td>
<td>4</td>
<td>2</td>
<td>3</td>
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<td>14</td>
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<td>plant quarantine</td>
<td>1</td>
<td>6</td>
<td>1</td>
<td></td>
<td></td>
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<td>8</td>
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<tr>
<td>abnormal smell</td>
<td></td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>ergot</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td></td>
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<tr>
<td>heavy metals</td>
<td></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>salmonella</td>
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<td>1</td>
</tr>
</tbody>
</table>

**Grand Total** | 14   | 28   | 16   | 44   | 27   | 19   | 148   |

*Source: own presentation based on EU RASFF – Food and Feed Safety Alerts; Notified between 01/07/2014 and 01/07/2019; Notification type: border rejection  Product category: cereals and bakery products*
EU rejections of imported cereals and bakery products by product

Source: own presentation based on EU RASFF – Food and Feed Safety Alerts; Notified between 01/07/2014 and 01/07/2019; Notification type: border rejection  Product category: cereals and bakery products
EU rejections of imported rice, wheat and products

Number of rejections of imported rice & products and wheat & products since 1 July 2014 by the main reason (since July 2017)

- Abnormal smell: 1 rice, 1 wheat
- Improper documentation: 12 rice, 0 wheat
- Mycotoxins: 14 rice, 6 wheat
- Other: 2 rice, 6 wheat
- Pesticides (unauthorised or MRL): 14 rice, 0 wheat
- Plant quarantine: 7 rice, 0 wheat
- Unauthorised GMO: 27 rice, 0 wheat
- Ergot: 0 rice, 1 wheat
- Heavy metals: 0 rice, 1 wheat

Source: own presentation based on EU RASFF – Food and Feed Safety Alerts;
Notified between 01/07/2014 and 01/07/2019; Notification type: border rejection Product category: cereals and bakery products
EU rejections of imported *rice and wheat and products*

Source: own presentation based on EU RASFF – Food and Feed Safety Alerts; Notified between 01/07/2014 and 01/07/2019; Notification type: border rejection  Product category: cereals and bakery products
Thank you

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