The compound feed industry in the EU livestock economy
Value of EU-28 farm production in 2017

- Beef, Veal & Milk: 93 bio. € / 22%
- Pigs: 39 bio. € / 9%
- Poultry & eggs: 32 bio. € / 7%
- Other animal products: 12 bio. € / 3%
- Other farm products: 255 bio. € / 59%

Source: Eurostat
EU-28 Livestock sourcing in feedingstuffs – 489 mio. t in 2017

Source: FEFAC / EU Commission

- Forages: 235
- Home-grown cereals: 53
- Purchased straight feedingstuffs: 41
- Industrial compound feed: 160

Legend:
- Green: Forages
- Yellow: Home-grown cereals
- Orange: Purchased straight feedingstuffs
- Blue: Industrial compound feed
Value of purchased compound feed in total animal output value in 2017

Source: FEFAC
Compound feed production in European production
(Index of volume: 1995=100)

Source: FEFAC / Eurostat
Comparison between prices for animal products and for feedingstuffs (Index 1995=100)

Source: FEFAC / Eurostat
Key figures of the European compound feed industry
Turn-over of the compound feed industry

Source: FEFAC

Evolution of number and average size of feed production units

Source: FEFAC

Industrial compound feed production per country
161.3 mio. t in 2018 in the EU-28

Source: FEFAC
Industrial compound feed production in the EU-28 in 2018
161.3 mio. t (per category)

- Cattle: 28.5%
- Pigs: 31.6%
- Poultry & eggs: 34.3%
- Milk replacers: 0.7%
- Others: 4.9%

Source: FEFAC
EU-28 compound feed production development per category +0.8% in 2018 vs 2017)

Source: FEFAC

Evolution of compound feed production in some EU-15 countries

Source: FEFAC
Evolution of compound feed production in other EU-15 countries

Source: FEFAC
Evolution of compound feed production in « new » EU-13 Member States

Source: FEFAC

Index 100 = 1999

CZ  HU  PL  SK  BU  RO  Other New Members
Consumption of feed materials
Feed material consumption by the EU-28 feed industry in 2017

- Feed cereals: 50%
- Co-products from Food & Bioethanol Industries: 11.5%
- Oils & Fats: 2%
- Cakes & Meals: 26%
- Pulses: 1.5%
- Dairy products: 0.5%
- Dried forage: 1.5%
- Minerals, Additives & Vitamins: 3.5%
- All others: 4%

Source: FEFAC
Feed material consumption by the EU compound feed industry

**1990**
- Cakes & Meals: 25%
- Pulses: 5%
- Dairy products: 1%
- Dried forage: 3%
- Minerals, Additives & Vitamins: 2%
- Tapioca: 5.5%
- All others: 6.5%

**2005**
- Cakes & Meals: 27%
- Tapioca: 5.5%
- Feed cereals: 47%
- Co-products from Food Industry: 14.5%
- Co-products from Food Industry: 12.5%
- All others: 5%
- Oils & Fats: 1.5%
- Dried forage: 1.5%
- Mineral salts, Additives & Vitamins: 3%

Source: FEFAC
Development of feed material consumption by the EU-15 compound feed industry

Source: FEFAC
Usage of cereals in the EU-28 in 2017-18

Source: DG AGRI
Imports of feed materials in the EU-28 in 2017: 47 mio. t

- Feed Cereals: 14.6
- Corn Gluten Feed: 0.5
- DDGS: 1.1
- Molasses: 1.6
- Citrus pellets: 0.2
- Oilmeals: 25.4
- Fishmeal: 0.2
- Pulses: 0.3
- Miscellaneous: 3.2

Source: EUROSTAT
**EU-28 balance sheet for protein rich feed materials in 2016/17**

<table>
<thead>
<tr>
<th></th>
<th>EU total feed use (mio. t proteins)</th>
<th>EU feed use of EU origin (mio. t proteins)</th>
<th>Self-sufficiency (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CROPS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thereof wheat</td>
<td>18.30</td>
<td>16.60</td>
<td>91</td>
</tr>
<tr>
<td>thereof</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>barley</td>
<td>5.76</td>
<td>5.40</td>
<td>94</td>
</tr>
<tr>
<td>maize</td>
<td>4.12</td>
<td>4.12</td>
<td>100</td>
</tr>
<tr>
<td>oilseeds</td>
<td>4.22</td>
<td>3.24</td>
<td>77</td>
</tr>
<tr>
<td>pulses</td>
<td>0.50</td>
<td>0.50</td>
<td>100</td>
</tr>
<tr>
<td>pulses</td>
<td>0.77</td>
<td>0.71</td>
<td>92</td>
</tr>
<tr>
<td><strong>CO-PRODUCTS (</strong>* )**</td>
<td>25.57</td>
<td>9.77</td>
<td>38</td>
</tr>
<tr>
<td>Thereof soyabean meal(*)</td>
<td>13.37</td>
<td>0.67</td>
<td>5</td>
</tr>
<tr>
<td>thereof</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>rapeseed meal</td>
<td>4.36</td>
<td>3.43</td>
<td>79</td>
</tr>
<tr>
<td>sunflower meal</td>
<td>2.43</td>
<td>1.02</td>
<td>42</td>
</tr>
<tr>
<td><strong>OTHER (****)</strong></td>
<td>0.92</td>
<td>0.86</td>
<td>93</td>
</tr>
<tr>
<td>Thereof fishmeal</td>
<td>0.36</td>
<td>0.31</td>
<td>86</td>
</tr>
<tr>
<td>thereof</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>skimmed milk powder</td>
<td>0.06</td>
<td>0.06</td>
<td>100</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>44.79</td>
<td>27.21</td>
<td>61</td>
</tr>
</tbody>
</table>

(***): excluding on farm uses for co-products other than soy, rapeseed and sunflower meal
(****): excluding on farm uses

Source: DG Agriculture
Sources of proteins for feed use in the EU-28 in 2016/17

Expressed in "equivalent protein", excl. forages

- Wheat: 13%
- Barley: 9%
- Maize: 3%
- Other cereals: 7%
- Oilseeds: 1%
- Pulses: 2%
- Soybean meal: 30%
- Rapeseed meal: 10%
- Sunflower meals: 5%
- Other co-products: 12%
- Fishmeal: 1%
- Other: 1%

Source: DG AGRI
Evolution of EU protein supply self-sufficiency (%)
Contribution of feed materials to protein supply and level of EU dependency in 2016/2017

Source: DG AGRI
Compound feed production in EU-28 and other European countries in 2017 (in mio. t)

- EU-28 (incl. EL): 163.0 mio. t
- Russia: 37.6 mio. t
- Ukraine: 6.6 mio. t
- Serbia: 1.0 mio. t
- Turkey: 22.4 mio. t
- Other non-EU: 13.6 mio. t
- Switzerland: 1.5 mio. t
- Norway: 3.8 mio. t

Source: FEFAC / Alltech
Global compound feed production in 2017 (1,053 mio. t)

Source: FEFAC / Alltech
Evolution of global compound feed production (Index 100 = 1999)

Source: FEFAC / Alltech / Feed International
Livestock production and consumption in the EU
Livestock population in the EU

Source: Eurostat

EU-25 from 2004, EU-27 from 2007, EU-28 from 2013
Meat production development in the EU per category

Source: DG AGRI, a.v.e.c.

Meat consumption development in the EU per category

Source: DG AGRI


- Total meat
- Beef & Veal
- Pig meat
- Poultry meat
- Others
Total meat consumption per capita in the EU-28 per category in 2017

- Pig meat: 44.7%
- Poultry meat: 29.4%
- Beef & Veal: 16.7%
- Sheep & Goat meat: 2.2%
- Others: 6.9%

Source: DG AGRI
EU self sufficiency in some EU agricultural products in 2017

Source: EUROSTAT/ DG AGRI