



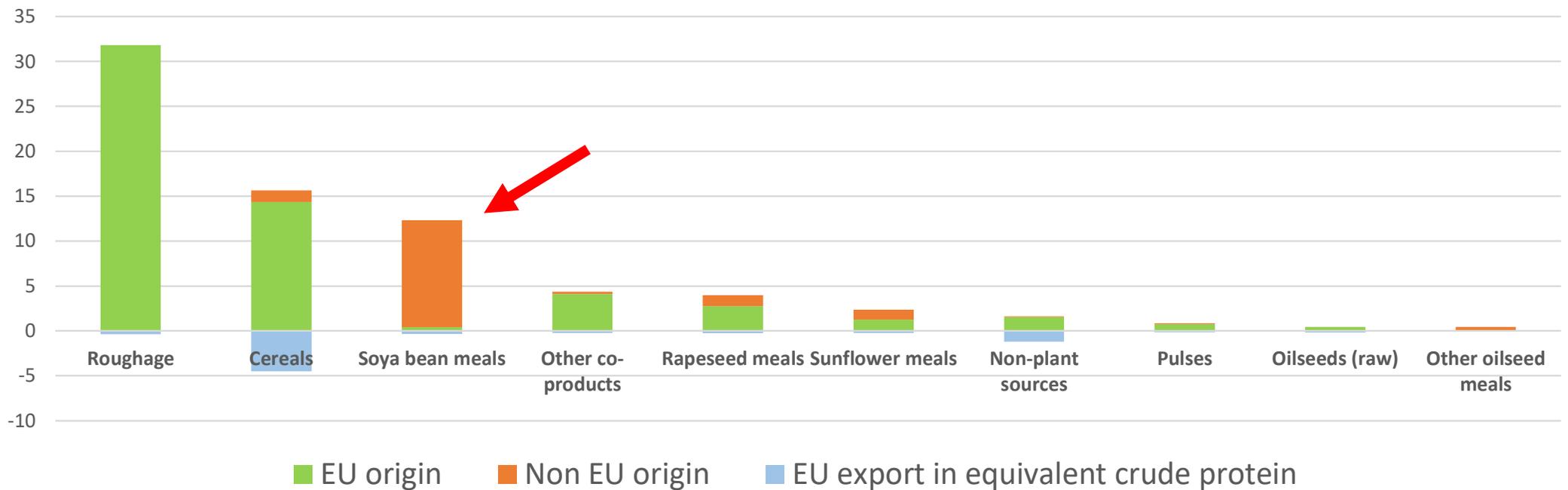
# EU Feed Protein Balance Sheet

CDG ARABLE CROPS – DRIED FODDER, ENERGY AND  
NON-FOOD CROPS

*14 September 2022*

# Why an EU Feed Protein Balance Sheet?

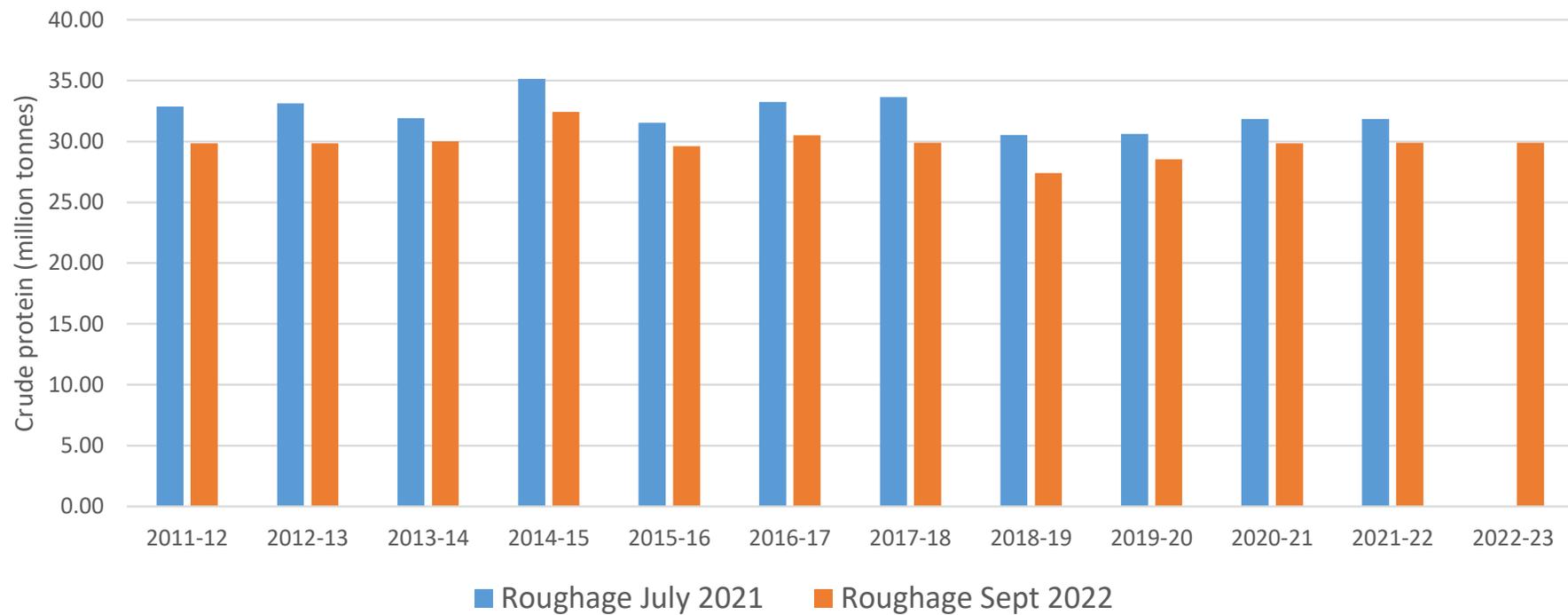
Crude Protein used for feed (million tonnes)



Sources: DG Agri – marketing year 2020/2021

# Revision of historical data on Biomass in Eurostat (1)

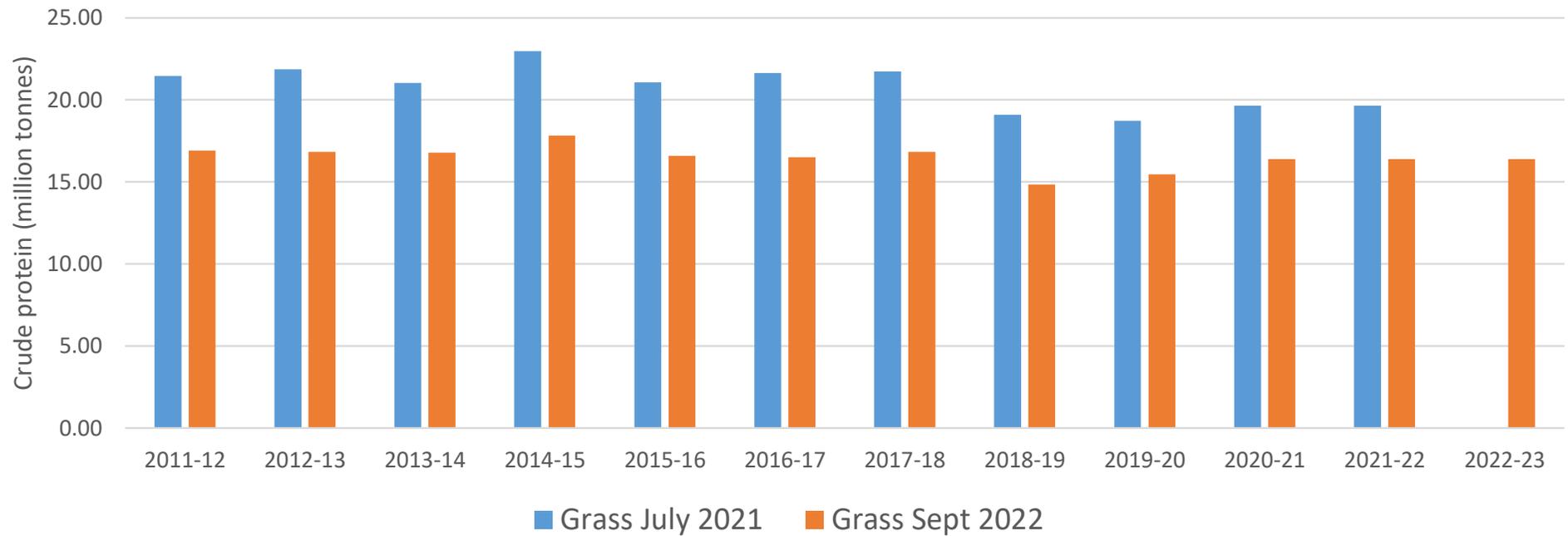
## Revision of historical statistics on Roughage



Sources: DG Agri – Sept 2022

# Revision of historical data on Biomass in Eurostat (2)

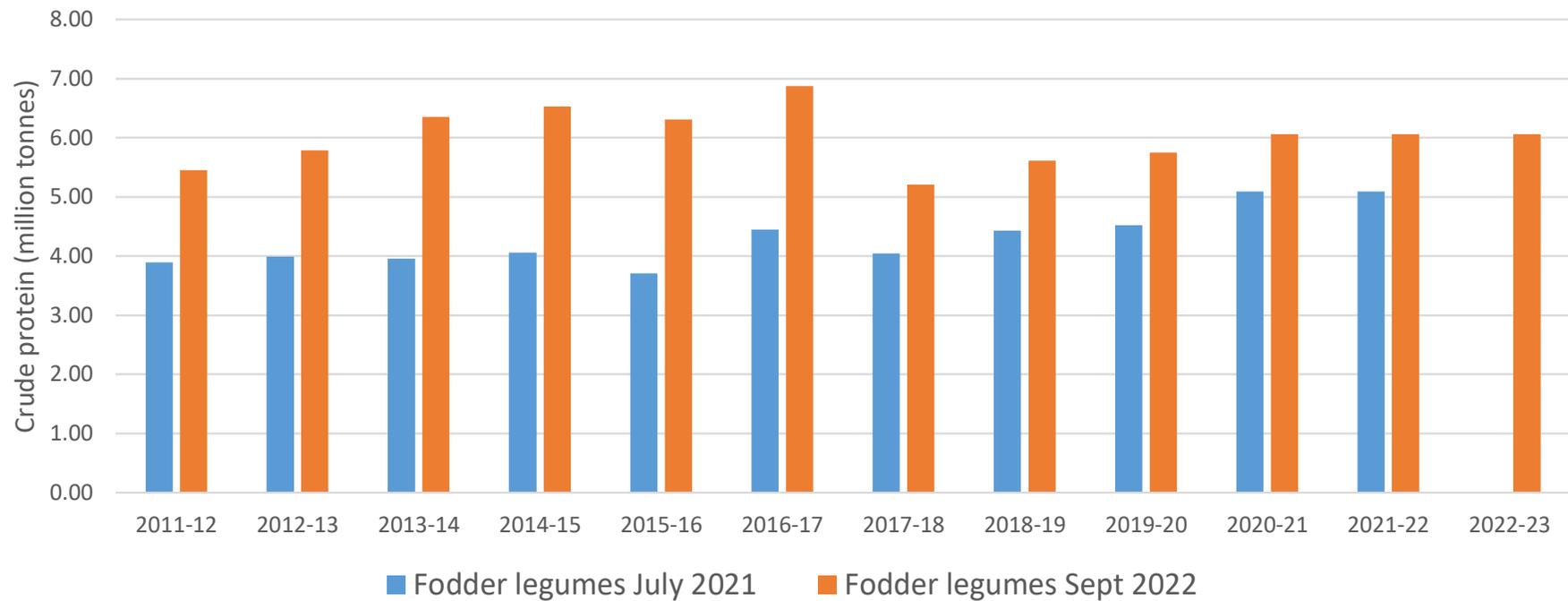
## Revision of historical statistics on Grass



Sources: DG Agri – Sept 2022

# Revision of historical data on Biomass in Eurostat (3)

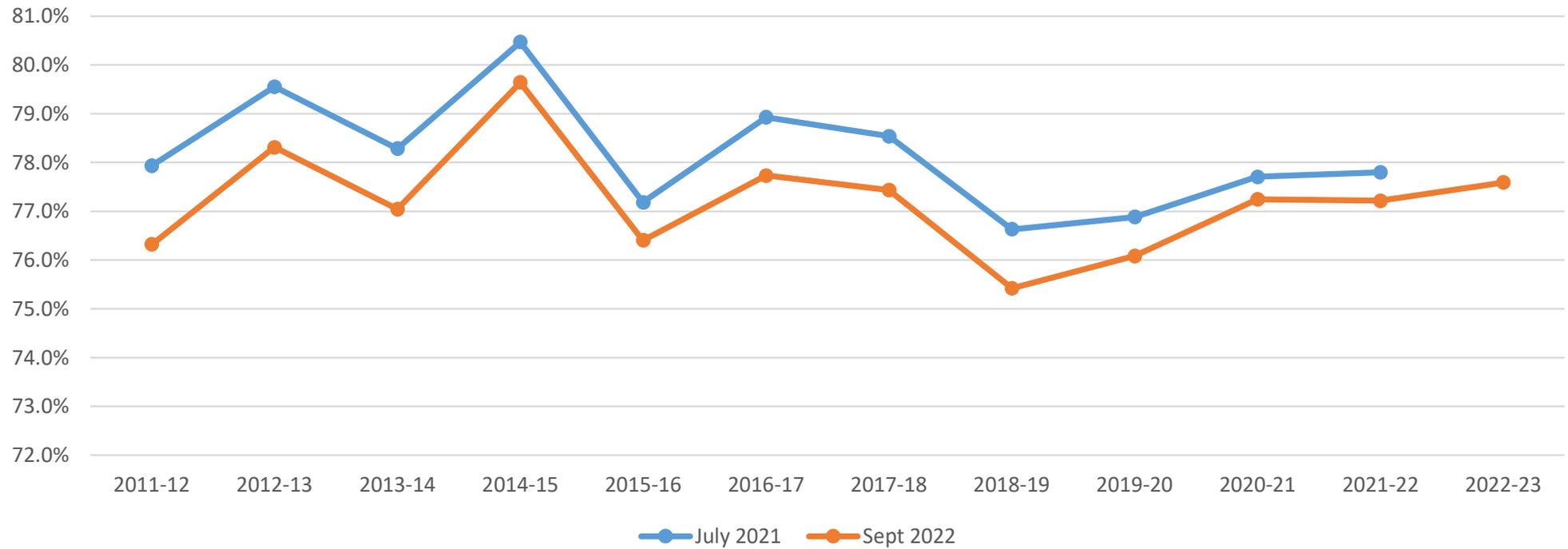
## Revision of historical statistics on Fodder legumes



Sources: DG Agri – Sept 2022

# Revision of historical data on Biomass in Eurostat (4)

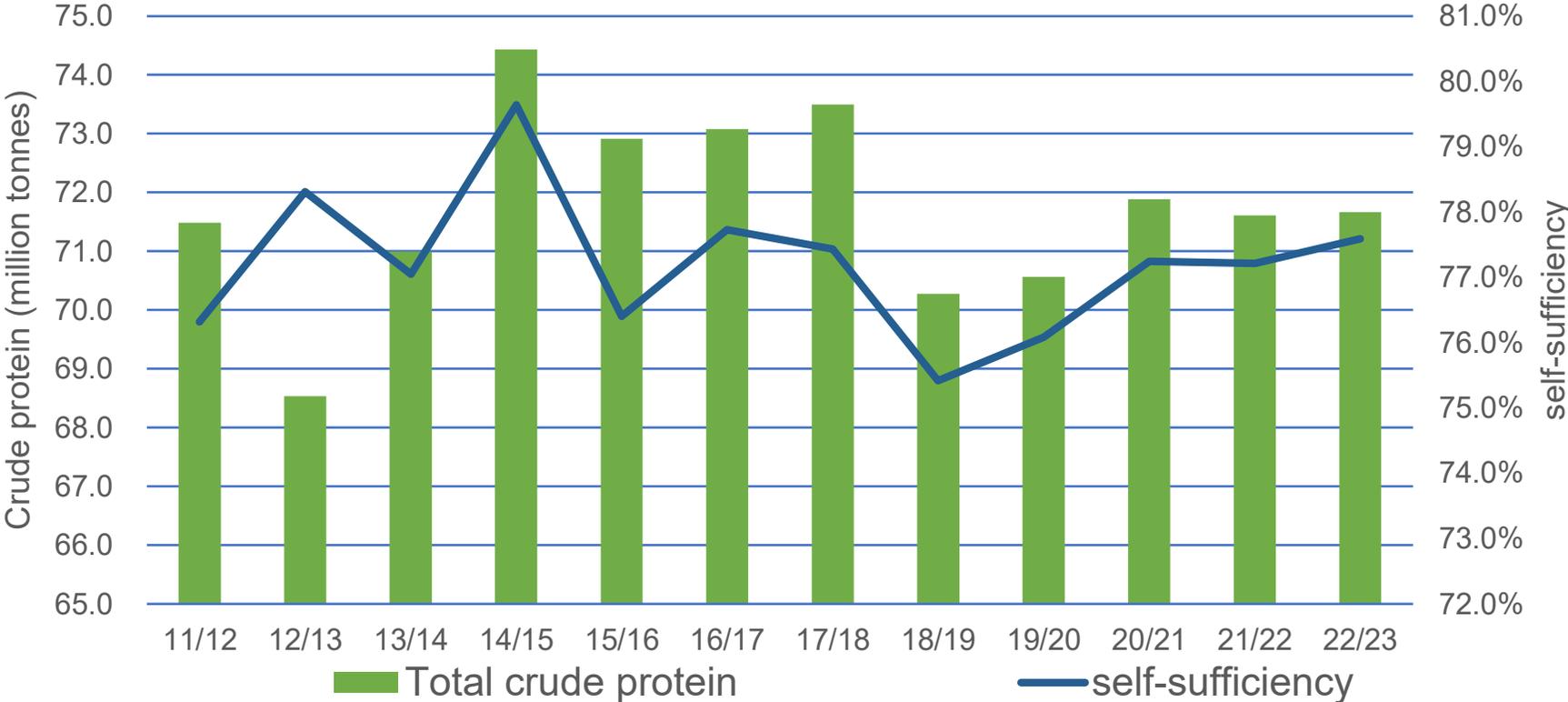
% EU origin protein used for feed in EU



Sources: DG Agri – Sept 2022

# EU Feed Protein Balance Sheets

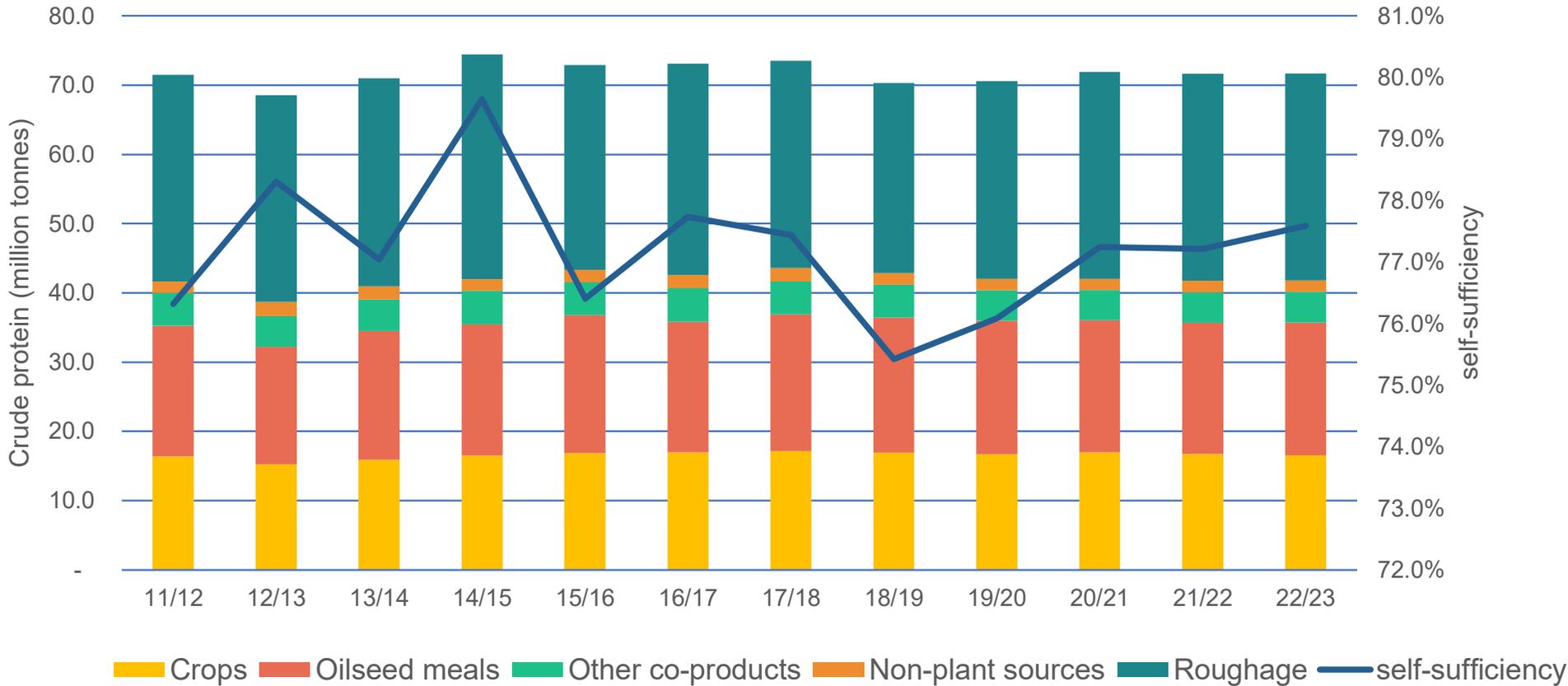
## EU total feed use



Sources: DG Agri – Sept 2022

# EU Feed Protein Balance Sheets

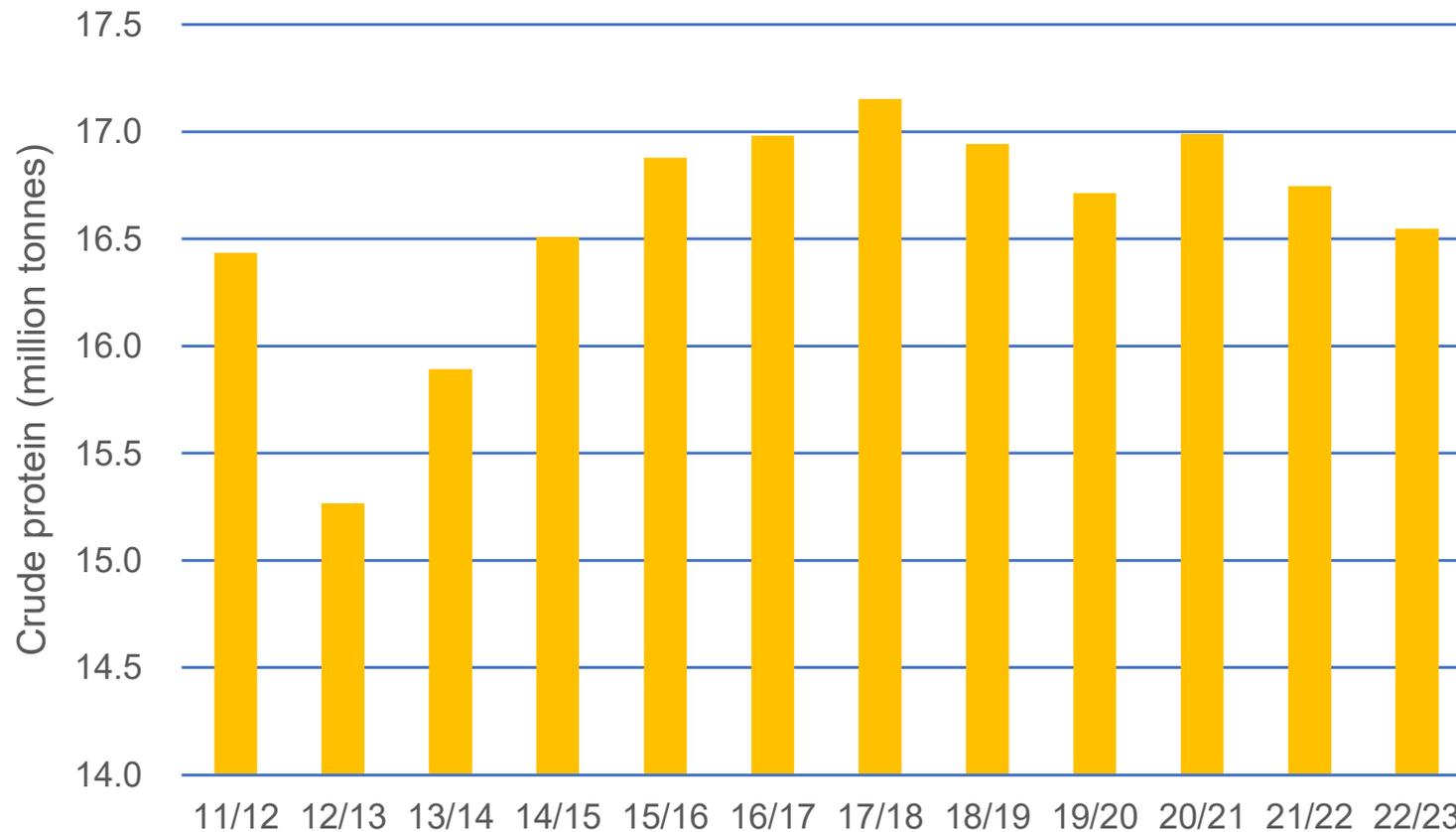
## EU total feed use



Sources: DG Agri – Sept 2022

# Crops: Cereals, Oilseeds and Pulses

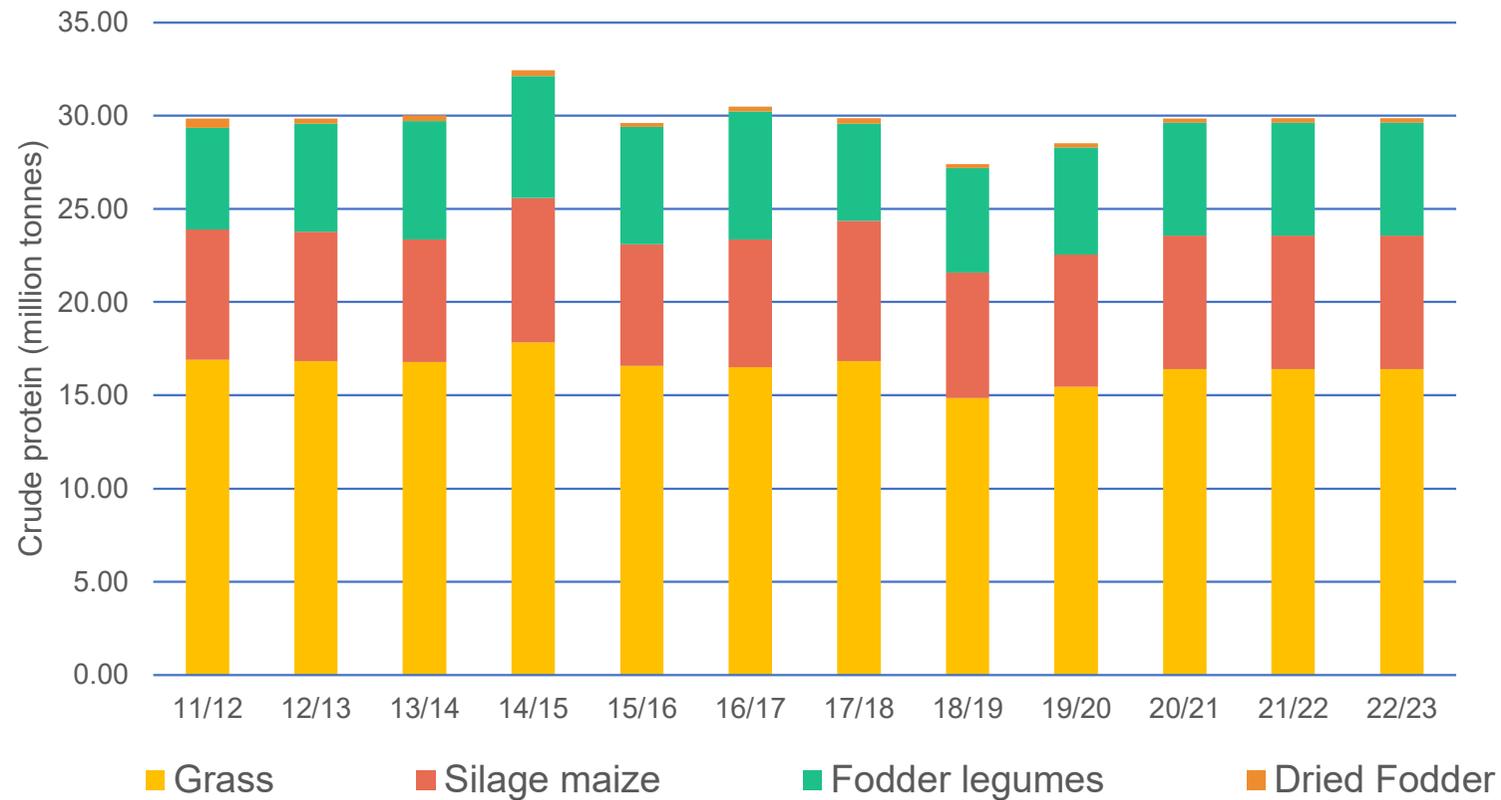
## EU total feed use - Crops



Sources: DG Agri – Sept 2022

# Roughage

## EU total feed use - Roughage

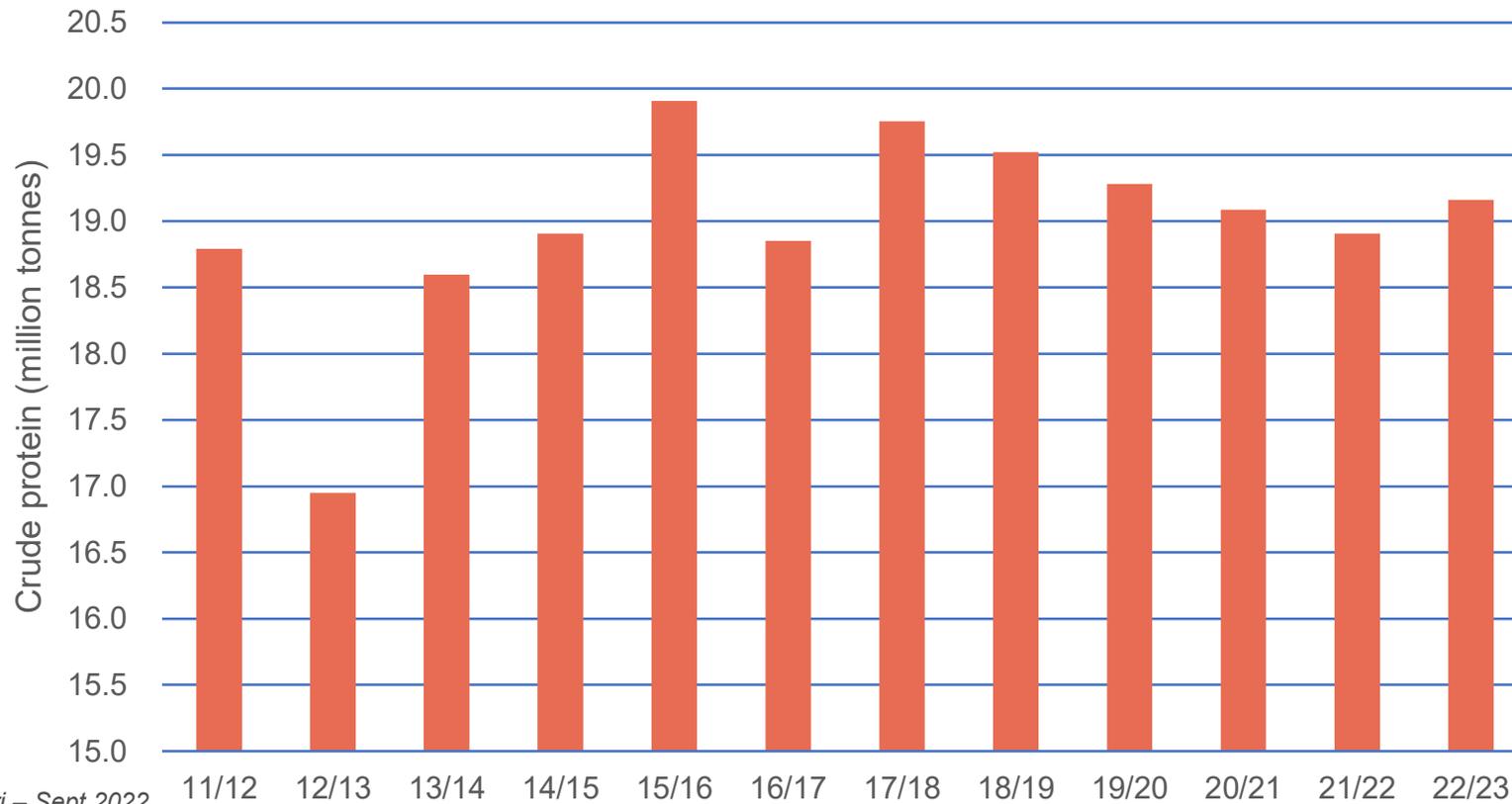


Sources: DG Agri – Sept 2022

*\*Other Oilseed Meals = Palmkern Meal, Linseed Meal and Other Oilseed Meals*

# Oilseed meals

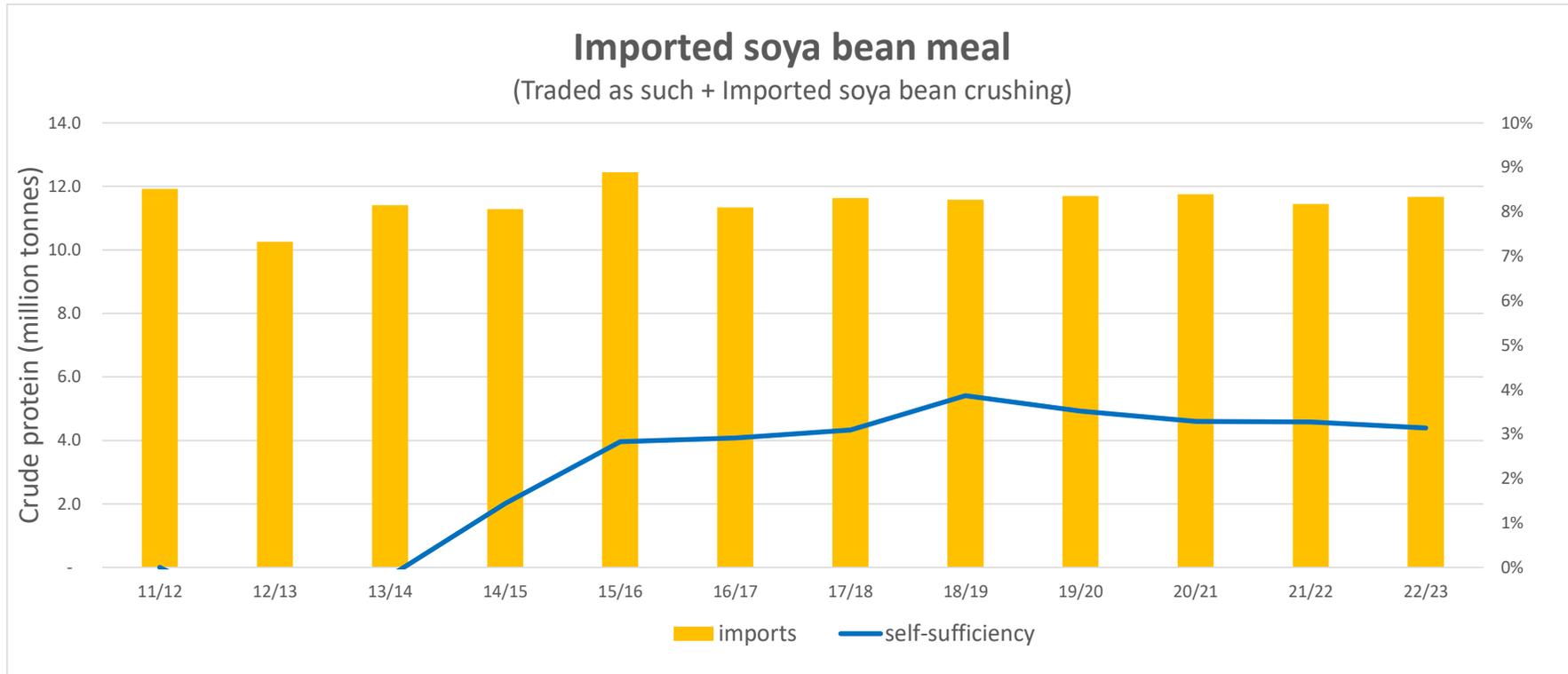
## EU total feed use - Oilseed meals



Sources: DG Agri – Sept 2022

*\*Other Oilseed Meals = Palmkern Meal, Linseed Meal and Other Oilseed Meals*

# Imported soya bean meals



Sources: DG Agri – Sept 2022

# EU Feed Protein Balance Sheet 2021/22

## EU Feed Protein Balance Sheet (forecast)

2021/22	Million tonnes						Protein content (feed use) (G)	Million tonnes (crude protein)				Million tonnes (crude protein)	
	Total EU production (A)	EU imports (B)	EU exports (C)	Total EU domestic use (D)	EU total feed use (E)	Feed use EU origin (F)		EU total feed use (H) = (E) * (G)	Feed use EU origin (I) = (F) * (G)	% feed use of EU origin (I) / (H)	% of total feed use	change last year	change last year
<b>CROPS</b>					<b>165.8</b>	<b>147.4</b>		<b>16.75</b>	<b>15.08</b>	<b>90%</b>	<b>23%</b>	<b>-0.24</b>	<b>-1.4%</b>
<b>CO-PRODUCTS</b>					<b>76.8</b>	<b>41.1</b>		<b>23.34</b>	<b>8.79</b>	<b>38%</b>	<b>33%</b>	<b>-0.08</b>	<b>-0.4%</b>
<b>OILSEED MEALS</b>	28.7	21.1	2.5	47.4	47.2	13.4	18.91	4.65	25%	26%	-	0.18	-0.9%
<b>OTHERS CO-PRODUCTS</b>	30.1	3.7	1.2	32.6	29.6	27.7	4.43	4.14	93%	6%	0.09	2.2%	
<b>NON-PLANT SOURCES</b>					<b>5.7</b>	<b>5.5</b>		<b>1.65</b>	<b>1.55</b>	<b>94%</b>	<b>2%</b>	<b>0.03</b>	<b>1.9%</b>
<b>ROUGHAGE</b>					<b>958</b>	<b>958</b>		<b>30</b>	<b>30</b>	<b>100%</b>	<b>42%</b>	<b>0.02</b>	<b>0.1%</b>
<b>TOTAL</b>							<b>71.61</b>	<b>55</b>	<b>77%</b>			<b>-0.28</b>	<b>1.5%</b>

# EU Feed Protein Balance Sheet 2022/23

2022/23	Million tonnes						Protein content (feed use) (G)	Million tonnes (crude protein)				Million tonnes (crude protein)	
	Protein source	Total EU production (A)	EU imports (B)	EU exports (C)	Total EU domestic use (D)	EU total feed use (E)		Feed use EU origin (F)	EU total feed use (H) = (E) * (G)	Feed use EU origin (I) = (F) * (G)	% feed use of EU origin (I) / (H)	% of total feed use	change last year
<b>CROPS</b>					<b>163.8</b>	<b>147.7</b>		<b>16.55</b>	<b>15.11</b>	<b>91%</b>	<b>23%</b>	<b>-0.20</b>	<b>-1.2%</b>
<b>CO-PRODUCTS</b>					<b>77.4</b>	<b>41.9</b>		<b>23.59</b>	<b>9.07</b>	<b>38%</b>	<b>33%</b>	<b>0.25</b>	<b>1.1%</b>
<b>OILSEED MEALS</b>	29.4	21.1	2.5	48.0	47.8	14.3	19.16	4.93	26%	27%	0.25	1.3%	
<b>OTHERS CO-PRODUCTS</b>	30.1	3.7	1.2	32.6	29.6	27.7	4.43	4.14	93%	6%	-	0.0%	
<b>NON-PLANT SOURCES</b>					<b>5.7</b>	<b>5.5</b>		<b>1.65</b>	<b>1.55</b>	<b>94%</b>	<b>2%</b>	<b>-</b>	<b>0.0%</b>
<b>ROUGHAGE</b>					<b>958</b>	<b>958</b>		<b>29.87</b>	<b>30</b>	<b>100%</b>	<b>42%</b>	<b>-</b>	<b>0.0%</b>
<b>TOTAL</b>							<b>71.66</b>	<b>56</b>	<b>78%</b>			<b>0.06</b>	<b>1.6%</b>

# 2022/23 - Crops

2022/23 Protein source	Million tonnes						Protein content (feed use) (G)	Million tonnes (crude protein)				Million tonnes (crude protein)	
	Total EU production (A)	EU imports (B)	EU exports (C)	Total EU domestic use (D)	EU total feed use (E)	Feed use EU origin (F)		EU total feed use (H) = (E) * (G)	Feed use EU origin (I) = (F) * (G)	% feed use of EU origin (I) / (H)	% of total feed use	change last year	change last year
<b>CROPS</b>					<b>163.8</b>	<b>147.7</b>		<b>16.55</b>	<b>15.11</b>	<b>91%</b>	<b>23%</b>	<b>-0.20</b>	<b>-1.2%</b>
<b>CEREALS (of which)</b>	<b>286.4</b>	<b>20.9</b>	<b>54.3</b>	<b>252.9</b>	<b>158.8</b>	<b>143.0</b>		<b>15.20</b>	<b>13.87</b>	<b>91%</b>	<b>21%</b>	<b>- 0.23</b>	<b>-1.5%</b>
Common wheat	125.0	1.8	38.0	88.8	37.3	35.5	11.0%	4.10	3.91			-0.17	-3.9%
Barley	52.2	1.0	9.8	43.4	33.0	33.0	10.0%	3.30	3.30			-0.10	-2.9%
Durum	7.2	2.5	1.2	8.5	0.5	0.4	12.0%	0.06	0.05			0.00	0.0%
Maize	71.7	15.0	5.0	81.7	64.7	51.2	8.0%	5.18	4.10			0.01	0.2%
Rye	7.5	0.1	0.2	7.4	2.7	2.7	11.0%	0.29	0.29			0.01	2.0%
Sorghum	0.8	0.2	0.0	1.0	0.9	0.7	11.0%	0.10	0.08			0.00	2.0%
Oats	7.5	0.1	0.2	7.4	5.8	5.8	11.0%	0.64	0.64			0.01	2.0%
Triticale	10.9	0.0	0.0	10.9	10.5	10.5	11.0%	1.16	1.16			0.00	0.0%
Others	3.6	0.2	0.0	3.7	3.4	3.2	11.0%	0.37	0.36			0.01	2.0%
<b>OILSEEDS (feed use without crushing) (columns (E) and (F))</b>	<b>31.3</b>	<b>19.8</b>	<b>0.9</b>	<b>50.3</b>	<b>1.6</b>	<b>1.6</b>		<b>0.46</b>	<b>0.46</b>	<b>100%</b>	<b>1%</b>	<b>0.00</b>	<b>0.5%</b>
Soya beans	2.6	14.5	0.2	16.9	1.2	1.2	33.0%	0.40	0.40			0.00	0.0%
Rapeseed	18.8	4.5	0.3	23.0	0.2	0.2	18.8%	0.04	0.04			0.00	10.8%
Sunflowerseed	9.9	0.8	0.3	10.4	0.2	0.2	14.8%	0.03	0.03			-0.00	-4.3%
<b>PULSES (of which)</b>	<b>4.4</b>	<b>1.2</b>	<b>0.5</b>	<b>5.0</b>	<b>3.5</b>	<b>3.1</b>		<b>0.89</b>	<b>0.78</b>	<b>87%</b>	<b>1%</b>	<b>0.03</b>	<b>3.5%</b>
Field peas	2.2	0.5	0.2	2.5	1.6	1.4	22.5%	0.37	0.32			0.03	10.4%
Broad beans	1.3	0.1	0.3	1.1	0.9	0.9	26.0%	0.24	0.24			0.03	14.2%
Lupins	0.3	0.2	0.0	0.5	0.5	0.3	35.0%	0.17	0.10			-0.01	-4.7%
Other protein crops	0.6	0.4	0.0	1.0	0.5	0.5	25.0%	0.12	0.12			-0.03	-17.8%

# 2022/23 – Oilseed meals

2022/23 Protein source	Million tonnes						Protein content (feed use) (G)	Million tonnes (crude protein)				Million tonnes (crude protein)	
	Total EU production (A)	EU imports (B)	EU exports (C)	Total EU domestic use (D)	EU total feed use (E)	Feed use EU origin (F)		EU total feed use (H) = (E) * (G)	Feed use EU origin (I) = (F) * (G)	% feed use of EU origin (I) / (H)	% of total feed use	change last year	change last year
<b>CO-PRODUCTS</b>					<b>77.4</b>	<b>41.9</b>		<b>23.59</b>	<b>9.07</b>	<b>38%</b>	<b>33%</b>	<b>0.25</b>	<b>1.1%</b>
<b>OILSEED MEALS</b>	<b>29.4</b>	<b>21.1</b>	<b>2.5</b>	<b>48.0</b>	<b>47.8</b>	<b>14.3</b>		<b>19.16</b>	<b>4.93</b>	<b>26%</b>	<b>27%</b>	<b>0.25</b>	<b>1.3%</b>
<b>SOYA BEAN MEALS</b> (of which)	<b>11.0</b>	<b>16.8</b>	<b>0.7</b>	<b>27.0</b>	<b>26.8</b>	<b>0.9</b>		<b>12.24</b>	<b>0.38</b>	<b>3%</b>	<b>17%</b>	<b>0.22</b>	<b>1.8%</b>
Soya bean meal (from EU soya bean production)	0.9			0.9	0.9	0.9	43.0%	0.38	0.38			-0.01	-2.5%
Soya bean meal (imported soya bean crushing)	9.8		0.7	9.1	8.9	0.0	45.5%	4.04	0.00			0.23	5.9%
Soya bean meal (traded as such)		16.8		16.8	16.8	0.0	45.5%	7.63	0.00			0.00	0.0%
Soya bean protein concentrate	0.3			0.3	0.3	0.0	62.5%	0.19	0.00			0.00	0.0%
<b>RAPESEED MEALS</b> (of which)	<b>12.7</b>	<b>0.6</b>	<b>0.7</b>	<b>12.5</b>	<b>12.5</b>	<b>9.5</b>		<b>4.13</b>	<b>3.13</b>	<b>76%</b>	<b>6%</b>	<b>0.16</b>	<b>4.0%</b>
Rapeseed meal (from EU rapeseed production)	10.2		0.7	9.5	9.5	9.5	33.0%	3.13	3.13			0.35	12.7%
Rapeseed meal (imported rapeseed crushing)	2.5			2.5	2.5	0.0	33.0%	0.82	0.00			-0.19	-19.1%
Rapeseed meal (traded as such)		0.6		0.6	0.6	0.0	33.0%	0.19	0.00			0.00	0.0%
<b>SUNFLOWER MEALS</b> (of which)	<b>5.1</b>	<b>2.4</b>	<b>0.9</b>	<b>6.5</b>	<b>6.5</b>	<b>3.8</b>		<b>2.35</b>	<b>1.35</b>	<b>58%</b>	<b>3%</b>	<b>- 0.12</b>	<b>-5.0%</b>
Sunflower meal (from EU sunflowerseed production)	4.7		0.9	3.8	3.8	3.8	36.0%	1.35	1.35			-0.06	-4.5%
Sunflower meal (imported sunflowerseed crushing)	0.4			0.4	0.4	0.0	36.0%	0.14	0.00			-0.06	-30.3%
Sunflower meal (traded as such)		2.4		2.4	2.4	0.0	36.0%	0.86	0.00			0.00	0.0%
<b>OTHER OILSEED MEALS</b> (of which)	<b>0.6</b>	<b>1.4</b>	<b>0.1</b>	<b>1.9</b>	<b>1.9</b>	<b>0.1</b>		<b>0.43</b>	<b>0.06</b>	<b>15%</b>	<b>1%</b>	<b>-</b>	<b>0.0%</b>
Palmkern meal	0.0	1.3	0.1	1.3	1.3	-0.1	16.0%	0.20	-0.01			0.00	0.0%
Linseed meal	0.4	0.0	0.0	0.4	0.4	0.0	34.0%	0.15	0.00			0.00	0.0%
Other oilseed meals	0.2	0.0	0.0	0.2	0.2	0.2	37.0%	0.09	0.08			0.00	0.0%

# 2022/23 – Other co-products

2022/23 Protein source	Million tonnes						Protein content (feed use) (G)	Million tonnes (crude protein)				Million tonnes (crude protein)	
	Total EU production (A)	EU imports (B)	EU exports (C)	Total EU domestic use (D)	EU total feed use (E)	Feed use EU origin (F)		EU total feed use (H) = (E) * (G)	Feed use EU origin (I) = (F) * (G)	% feed use of EU origin (I) / (H)	% of total feed use	change last year	change last year
<b>OTHERS CO-PRODUCTS</b>	<b>30.1</b>	<b>3.7</b>	<b>1.2</b>	<b>32.6</b>	<b>29.6</b>	<b>27.7</b>		<b>4.43</b>	<b>4.14</b>	<b>93%</b>	<b>6%</b>	<b>-</b>	<b>0.0%</b>
Starch industry's medium protein products (15-30%)	4.1	0.4	0.4	4.1	4.1	4.1	19.0%	0.77	0.77			0.00	0.0%
Starch industry's super protein products (60-90%)	1.0			1.0	0.7	0.7	73.0%	0.49	0.49			0.00	0.0%
Distillers' dried grains with solubles	3.1	0.7	0.3	3.6	3.6	2.8	30% wheat 27% maize	1.05	0.85			0.00	0.0%
Wet distillers' grain	6.1			6.1	6.1	6.1	5.4%	0.33	0.33			0.00	-3.5%
Wheat bran	7.4	0.1	0.1	7.3	7.3	7.3	15.5%	1.13	1.13			0.00	0.0%
Citrus pulp	0.0	0.1	0.0	0.1	0.1	0.0	7.5%	0.01	0.00			0.00	0.0%
Beet pulp pellets	5.6	1.1	0.1	6.6	6.6	5.4	7.9%	0.52	0.43			0.00	0.0%
Molasses	2.9	1.2	0.2	3.9	1.2	1.2	10.7% beet 4.2% cane	0.13	0.13			0.00	0.0%

# 2022/23 – Non-Plant sources and Roughage

2022/23 Protein source	Million tonnes						Protein content (feed use) (G)	Million tonnes (crude protein)				Million tonnes (crude protein)	
	Total EU production (A)	EU imports (B)	EU exports (C)	Total EU domestic use (D)	EU total feed use (E)	Feed use EU origin (F)		EU total feed use (H) = (E) * (G)	Feed use EU origin (I) = (F) * (G)	% feed use of EU origin (I) / (H)	% of total feed use	change last year	change last year
<b>NON-PLANT SOURCES</b>					<b>5.7</b>	<b>5.5</b>		<b>1.65</b>	<b>1.55</b>	<b>94%</b>	<b>2%</b>	<b>-</b>	<b>0.0%</b>
(excluding on-farm use)													
Fish meal	0.4	0.2	0.1	0.5	0.5	0.4	65.0%	0.29	0.25			0.00	0.0%
Whey powder	2.2	0.1	0.7	1.6	0.6	0.6	12.5%	0.07	0.07			0.00	0.0%
Skimmed milk powder	1.4	0.0	0.6	0.8	0.1	0.1	34.0%	0.05	0.05			0.00	0.0%
Processed animal proteins	2.7	0.1	1.1	1.9	1.5	1.4	62.3%	0.95	0.89			0.00	0.0%
Former foodstuff					3	3	9.5%	0.29	0.29			0.00	0.0%
<b>ROUGHAGE</b>					<b>958</b>	<b>958</b>		<b>29.87</b>	<b>30</b>	<b>100%</b>	<b>42%</b>	<b>-</b>	<b>0.0%</b>
Grass	629			629	629	629	2.6%	16.3897	16			0.00	0.0%
Silage maize	244			244	244	244	2.9%	7.1813	7			0.00	0.0%
Fodder legumes	84			84	84	84	7.2%	6.0613	6			0.00	0.0%
Dried fodder	3.6	0.0	2.2	1.4	1.4	1.4	17.0%	0.2407	0.2			0.00	0.0%

# Accessible on Europa very soon

- In MS-Excel format with formulas
- With raw data
- Pivot tables allowing data mining and graphs

# Thank you



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