

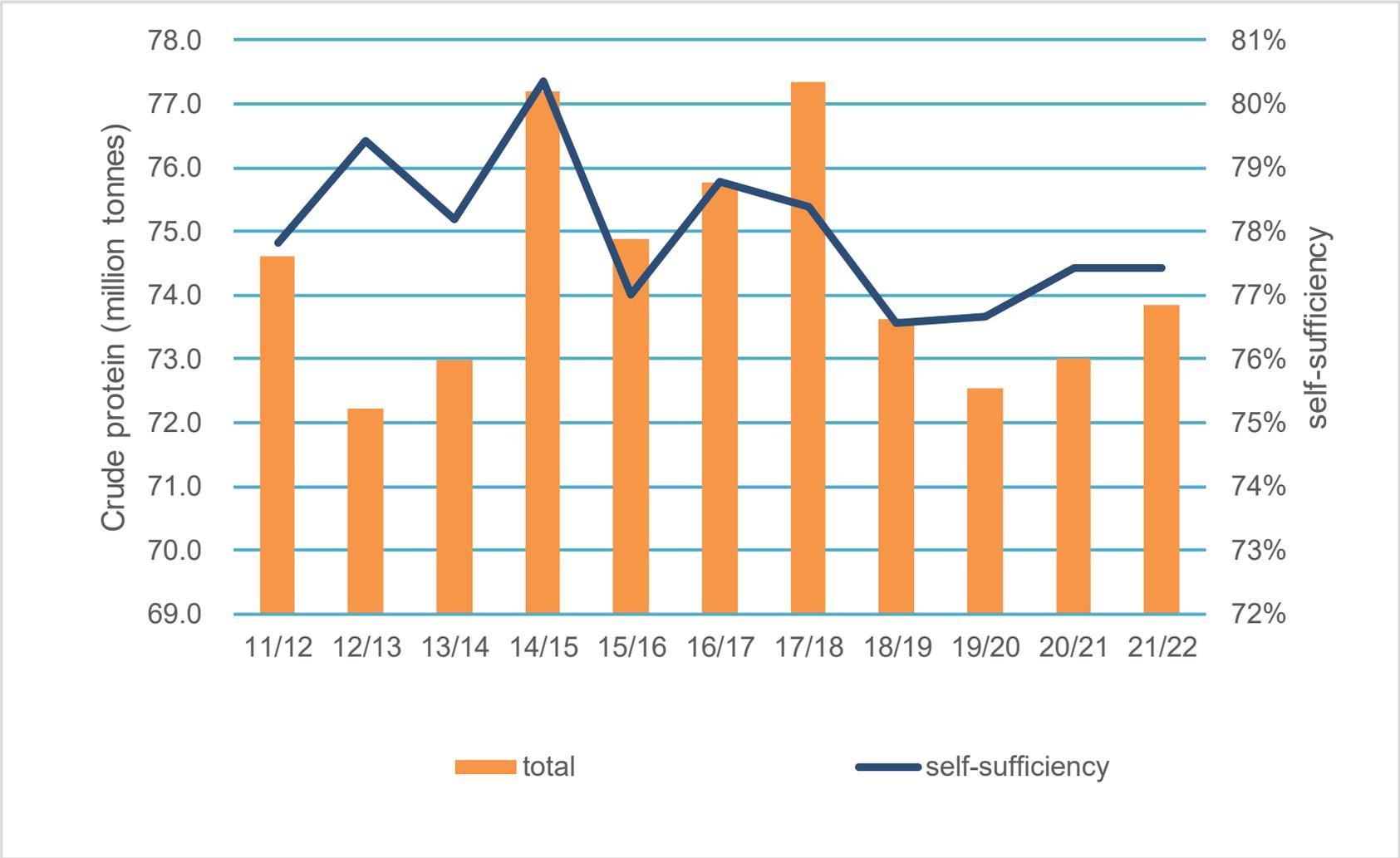


# EU Feed Protein Balance Sheet

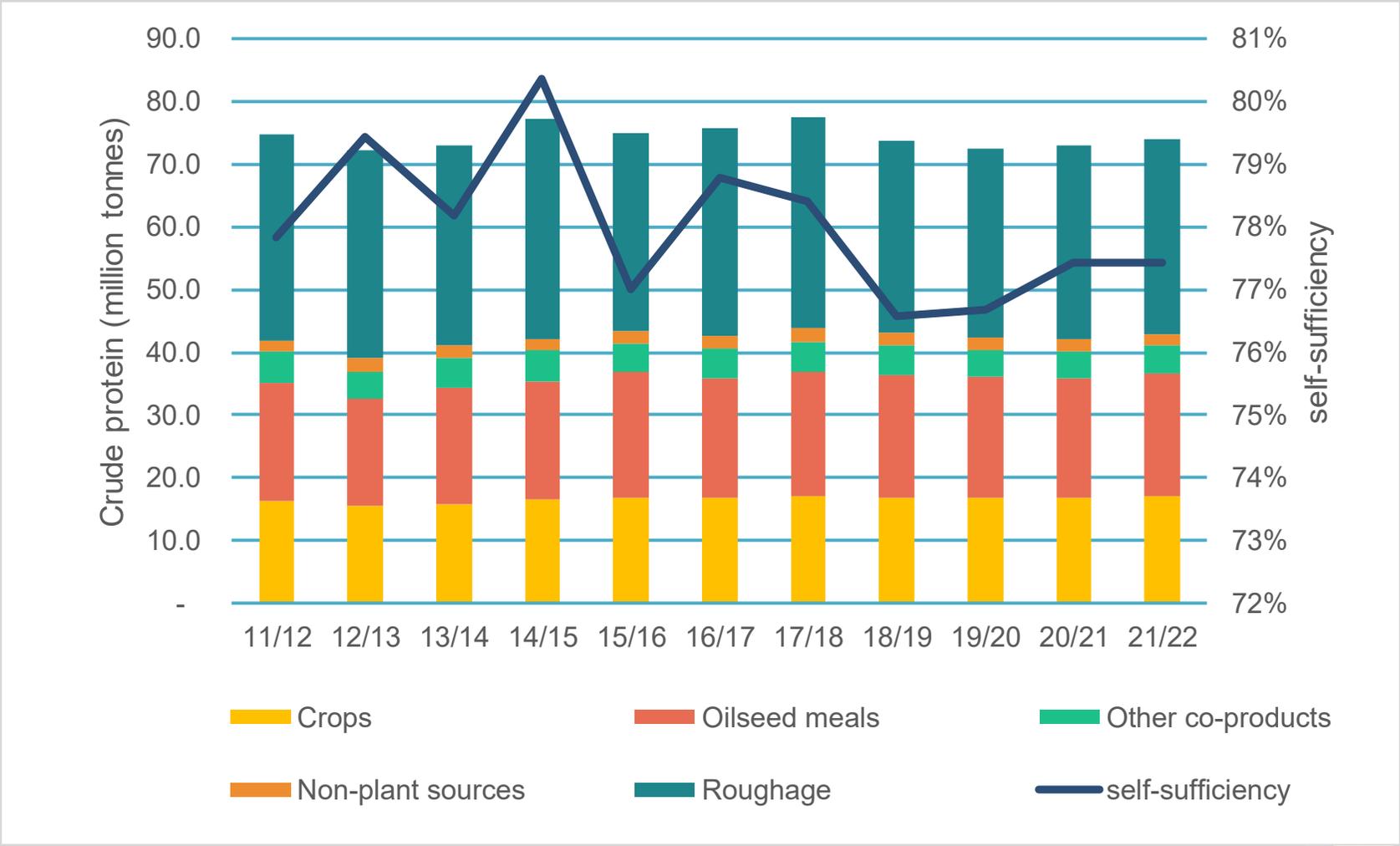
CDG ARABLE CROPS – DRIED FODDER, ENERGY AND  
NON-FOOD CROPS

*21 May 2021*

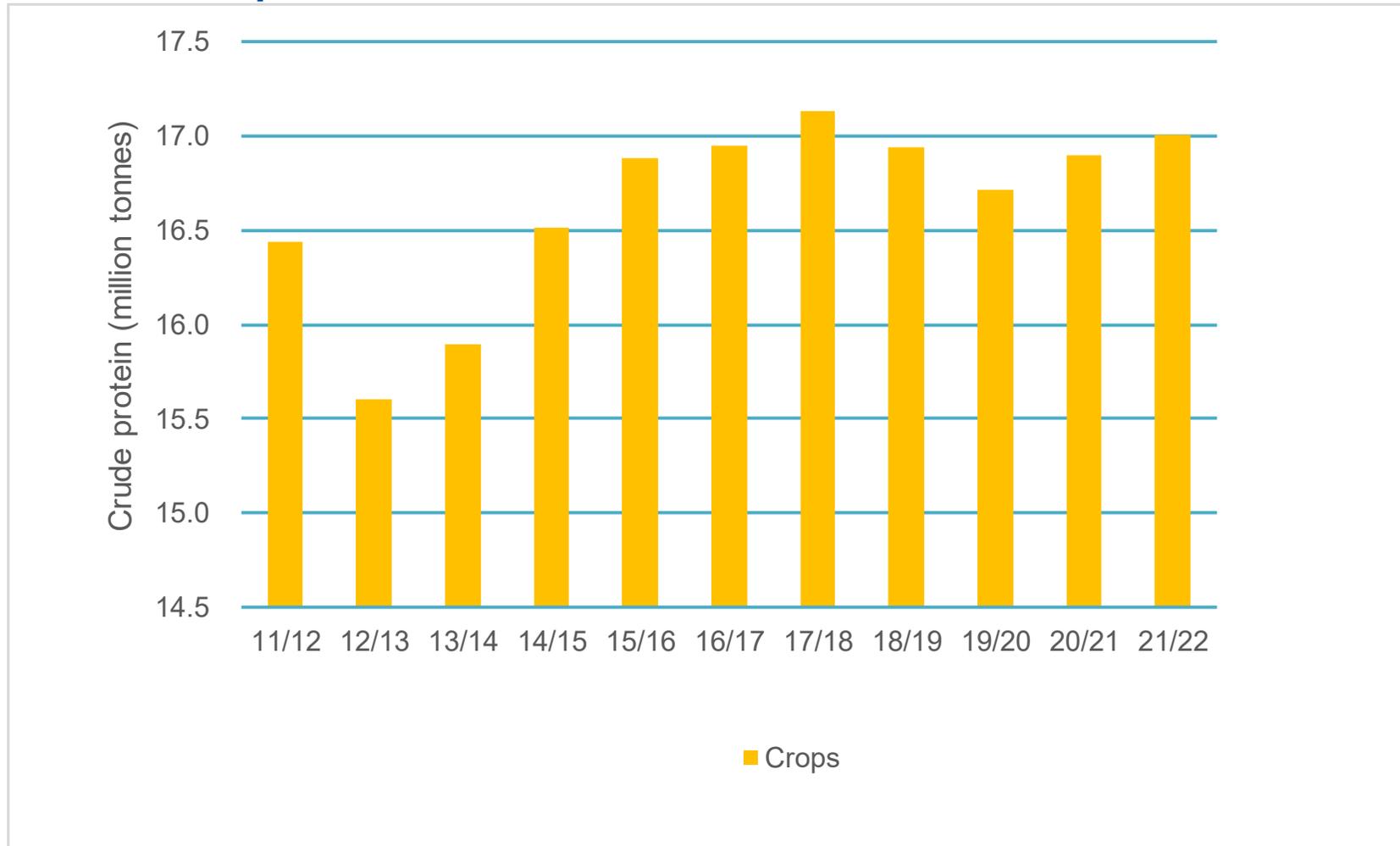
# EU Feed Protein Balance Sheets



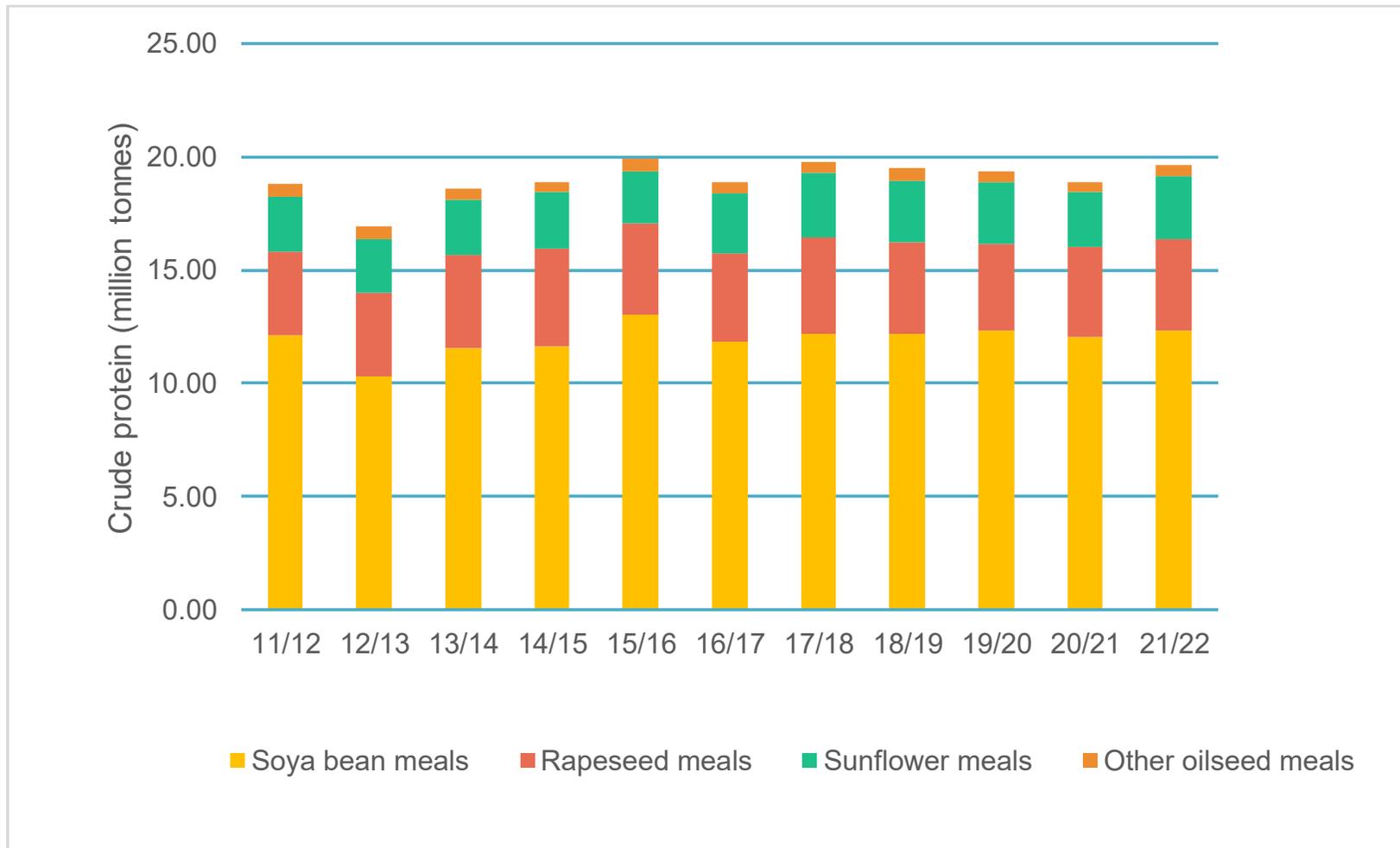
# EU Feed Protein Balance Sheets



# Crops: Cereals, Oilseeds and Pulses

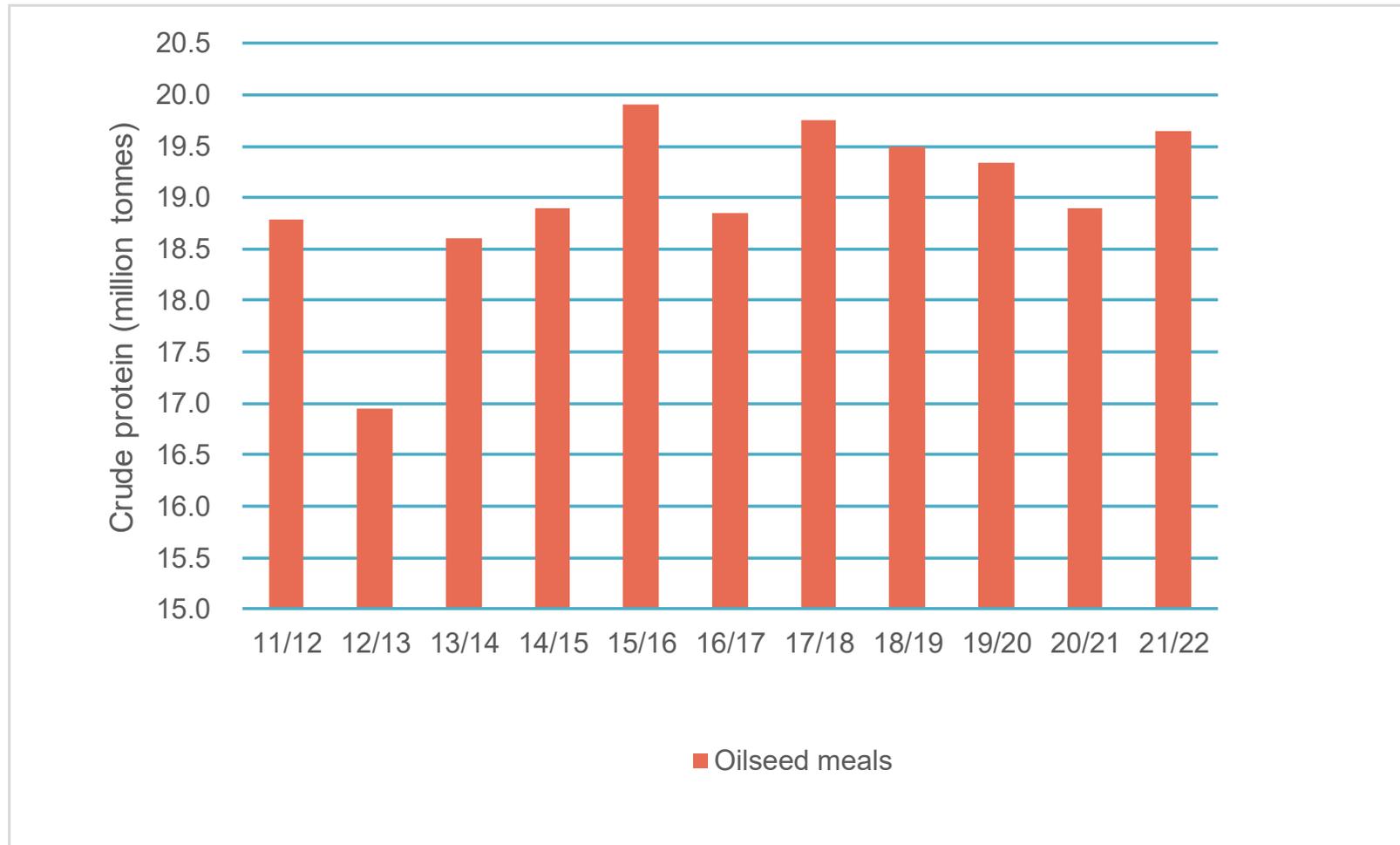


# Oilseed meals



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

# Oilseed meals



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

# EU Feed Protein Balance Sheet 2020/21

## EU Feed Protein Balance Sheet (forecast)

2020/21	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>167.8</b>	<b>150.0</b>		<b>16.90</b>	<b>15.30</b>	<b>91%</b>	<b>23%</b>	<b>0.18</b>	<b>1.1%</b>
<b>CO-PRODUCTS</b>					<b>77.4</b>	<b>40.6</b>		<b>23.34</b>	<b>8.56</b>	<b>37%</b>	<b>32%</b>	<b>- 0.37</b>	<b>-1.5%</b>
OILSEED MEALS	28.5	21.2	2.2	47.5	47.3	12.8	18.90	4.45	24%	26%	- 0.43	-2.2%	
OTHERS CO-PRODUCTS	30.8	4.1	1.6	33.2	30.0	27.8	4.43	4.11	93%	6%	0.07	1.6%	
<b>NON-PLANT SOURCES</b>					<b>7.7</b>	<b>7.6</b>		<b>1.86</b>	<b>1.75</b>	<b>94%</b>	<b>3%</b>	<b>0.01</b>	<b>0.3%</b>
<b>ROUGHAGE</b>					<b>1061</b>	<b>1061</b>		<b>31</b>	<b>31</b>	<b>100%</b>	<b>42%</b>	<b>0.64</b>	<b>2.1%</b>
<b>TOTAL</b>							<b>73</b>	<b>57</b>	<b>77%</b>			<b>0.46</b>	<b>0.6%</b>

# EU Feed Protein Balance Sheet 2021/22

2021/22 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>168.7</b>	<b>151.1</b>		<b>17.01</b>	<b>15.43</b>	<b>91%</b>	<b>23%</b>	<b>0.11</b>	<b>0.6%</b>
<b>CO-PRODUCTS</b>					<b>79.3</b>	<b>42.1</b>		<b>24.08</b>	<b>9.10</b>	<b>38%</b>	<b>33%</b>	<b>0.74</b>	<b>3.2%</b>
<b>OILSEED MEALS</b>	29.7	21.8	2.0	49.4	49.2	14.3		19.64	4.98	25%	27%	0.74	3.9%
<b>OTHERS CO-PRODUCTS</b>	30.8	4.1	1.6	33.2	30.0	27.8		4.43	4.11	93%	6%	-	0.0%
<b>NON-PLANT SOURCES</b>					<b>7.7</b>	<b>7.6</b>		<b>1.86</b>	<b>1.75</b>	<b>94%</b>	<b>3%</b>	<b>-</b>	<b>0.0%</b>
<b>ROUGHAGE</b>					<b>1061</b>	<b>1061</b>		<b>31</b>	<b>31</b>	<b>100%</b>	<b>42%</b>	<b>-</b>	<b>0.0%</b>
<b>TOTAL</b>								<b>74</b>	<b>57</b>	<b>77%</b>		<b>1.31</b>	<b>1.8%</b>

# 2021/22 - Crops

2021/22 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>168.7</b>	<b>151.1</b>		<b>17.01</b>	<b>15.43</b>	<b>91%</b>	<b>23%</b>	<b>0.11</b>	<b>0.6%</b>
<b>CEREALS</b> (of which)	<b>290.1</b>	<b>22.1</b>	<b>44.4</b>	<b>267.7</b>	<b>163.8</b>	<b>146.6</b>		<b>15.72</b>	<b>14.26</b>	<b>91%</b>	<b>21%</b>	<b>0.09</b>	<b>0.6%</b>
Common wheat	124.8	2.5	30.0	97.3	40.0	37.5	11.0%	4.40	4.13			0.31	7.5%
Barley	56.0	1.2	9.3	47.9	35.2	35.2	10.0%	3.52	3.52			-0.04	-1.0%
Durum	7.4	2.0	1.2	8.1	0.5	0.5	12.0%	0.06	0.05			0.01	25.0%
Maize	71.3	16.0	3.5	83.8	65.0	50.6	8.0%	5.20	4.05			0.00	0.0%
Rye	7.9	0.0	0.2	7.8	2.6	2.6	11.0%	0.29	0.29			-0.13	-31.6%
Sorghum	1.0	0.1	0.0	1.0	0.9	0.8	11.0%	0.10	0.09			-0.06	-35.7%
Oats	7.5	0.0	0.2	7.3	5.7	5.7	11.0%	0.63	0.63			0.00	0.0%
Triticale	10.5	0.0	0.0	10.5	9.8	9.8	11.0%	1.08	1.08			-0.05	-4.9%
Others	3.9	0.2	0.0	4.0	4.0	3.9	11.0%	0.45	0.43			0.05	12.4%
<b>OILSEEDS</b> (feed use without crushing) (columns (E) and (F))	<b>30.4</b>	<b>21.2</b>	<b>0.9</b>	<b>50.6</b>	<b>1.6</b>	<b>1.6</b>		<b>0.46</b>	<b>0.46</b>	<b>100%</b>	<b>1%</b>	<b>0.01</b>	<b>1.3%</b>
Soya beans	3.0	14.6	0.2	17.4	1.2	1.2	33.0%	0.40	0.40			0.00	0.0%
Rapeseed	16.5	5.8	0.1	22.2	0.2	0.2	18.8%	0.03	0.03			0.00	0.7%
Sunflowerseed	10.9	0.8	0.6	11.1	0.2	0.2	14.8%	0.03	0.03			0.01	22.4%
<b>PULSES</b> (of which)	<b>4.5</b>	<b>1.1</b>	<b>0.5</b>	<b>5.1</b>	<b>3.3</b>	<b>2.9</b>		<b>0.83</b>	<b>0.70</b>	<b>85%</b>	<b>1%</b>	<b>0.01</b>	<b>1.3%</b>
Field peas	2.2	0.6	0.2	2.6	1.7	1.5	22.5%	0.38	0.33			-0.01	-1.5%
Broad beans	1.2	0.1	0.3	1.0	0.9	0.9	26.0%	0.22	0.22			0.01	7.2%
Lupins	0.2	0.2	0.0	0.5	0.4	0.2	35.0%	0.14	0.07			0.01	10.6%
Other protein crops	0.9	0.2	0.0	1.0	0.4	0.4	25.0%	0.09	0.09			-0.01	-11.3%

# 2021/22 – Oilseed meals

2021/22 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>OILSEED MEALS</b>	<b>29.7</b>	<b>21.8</b>	<b>2.0</b>	<b>49.4</b>	<b>49.2</b>	<b>14.3</b>		<b>19.64</b>	<b>4.98</b>	<b>25%</b>	<b>27%</b>	<b>0.74</b>	<b>3.9%</b>
<b>SOYA BEAN MEALS</b> (of which)	<b>11.4</b>	<b>16.7</b>	<b>0.7</b>	<b>27.3</b>	<b>27.1</b>	<b>1.2</b>		<b>12.36</b>	<b>0.53</b>	<b>4%</b>	<b>17%</b>	<b>0.32</b>	<b>2.7%</b>
Soya bean meal (from EU soya bean production)	1.3			1.3	1.2	1.2	43.0%	0.53	0.53			0.13	30.8%
Soya bean meal (imported soya bean crushing)	9.8		0.7	9.1	8.9	0.0	45.5%	4.05	0.00			0.02	0.6%
Soya bean meal (traded as such)		16.7		16.7	16.7	0.0	45.5%	7.59	0.00			0.17	2.3%
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>12.2</b>	<b>0.4</b>	<b>0.6</b>	<b>12.0</b>	<b>12.0</b>	<b>8.4</b>		<b>3.97</b>	<b>2.77</b>	<b>70%</b>	<b>5%</b>	<b>0.02</b>	<b>0.5%</b>
Rapeseed meal (from EU rapeseed production)	9.0		0.6	8.4	8.4	8.4	33.0%	2.77	2.77			0.08	2.8%
Rapeseed meal (imported rapeseed crushing)	3.2			3.2	3.2	0.0	33.0%	1.05	0.00			-0.04	-3.3%
Rapeseed meal (traded as such)		0.4		0.4	0.4	0.0	33.0%	0.15	0.00			-0.02	-10.9%
<b>SUNFLOWER MEALS</b> (of which)	<b>5.4</b>	<b>3.0</b>	<b>0.5</b>	<b>7.9</b>	<b>7.9</b>	<b>4.5</b>		<b>2.84</b>	<b>1.63</b>	<b>57%</b>	<b>4%</b>	<b>0.40</b>	<b>16.3%</b>
Sunflower meal (from EU sunflowerseed production)	5.0		0.5	4.5	4.5	4.5	36.0%	1.63	1.63			0.33	25.8%
Sunflower meal (imported sunflowerseed crushing)	0.4			0.4	0.4	0.0	36.0%	0.14	0.00			-0.04	-22.3%
Sunflower meal (traded as such)		3.0		3.0	3.0	0.0	36.0%	1.08	0.00			0.10	10.6%
<b>OTHER OILSEED MEALS</b> (of which)	<b>0.7</b>	<b>1.7</b>	<b>0.2</b>	<b>2.2</b>	<b>2.2</b>	<b>0.1</b>		<b>0.47</b>	<b>0.05</b>	<b>11%</b>	<b>1%</b>	<b>-</b>	<b>0.0%</b>
Palmkern meal	0.0	1.6	0.1	1.5	1.5	-0.1	16.0%	0.24	-0.01			0.00	0.0%
Linseed meal	0.4	0.0	0.0	0.5	0.5	0.0	34.0%	0.16	0.00			0.00	0.0%
Other oilseed meals	0.2	0.0	0.1	0.2	0.2	0.2	37.0%	0.07	0.07			0.00	0.0%

# 2021/22 – Other co-products

2021/22 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>30.8</b>	<b>4.1</b>	<b>1.6</b>	<b>33.2</b>	<b>30.0</b>	<b>27.8</b>		<b>4.43</b>	<b>4.11</b>	<b>93%</b>	<b>6%</b>	<b>-</b>	<b>0.0%</b>
Starch industry's medium protein products (15-30%)	4.1	0.6	0.6	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	0.0	0.0	1.0	0.7	0.7	73.0%	0.49	0.49			0.00	0.0%
Distillers' dried grains with solubles	3.1	0.8	0.4	3.5	3.5	2.7	30% wheat 27% maize	1.02	0.81			0.00	0.0%
Wet distillers' grain	6.0	0.0	0.0	6.0	6.0	6.0	5.4%	0.33	0.33			0.00	0.0%
Wheat bran	7.4	0.0	0.2	7.2	7.2	7.2	15.5%	1.12	1.12			0.00	0.0%
Citrus pulp	0.0	0.3	0.0	0.2	0.2	0.0	7.5%	0.02	0.00			0.00	0.0%
Beet pulp pellets	6.0	1.2	0.2	7.1	7.1	5.8	7.9%	0.56	0.46			0.00	0.0%
Molasses	3.1	1.2	0.2	4.1	1.3	1.3	10.7% beet 4.2% cane	0.14	0.14			0.00	0.0%

# 2021/22 – Non-Plant sources and Roughage

2021/22 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>7.7</b>	<b>7.6</b>	<b>1.86</b>	<b>1.75</b>	<b>94%</b>	<b>3%</b>	<b>-</b>	<b>0.0%</b>
(excluding on-farm use)																		
Fish meal	0.4	0.2	0.2	0.5	0.5	0.4	65.0%	0.32	0.26			0.00	0.0%					
Whey powder	2.2	0.1	0.8	1.4	0.6	0.6	12.5%	0.07	0.07			0.00	0.0%					
Skimmed milk powder	1.6	0.0	1.0	0.6	0.1	0.1	34.0%	0.05	0.05			0.00	0.0%					
Processed animal proteins	2.7	0.1	0.9	1.9	1.5	1.4	62.3%	0.95	0.89			0.00	0.0%					
Former foodstuff					5	5	9.5%	0.48	0.48			0.00	0.0%					
<b>ROUGHAGE</b>											<b>1061</b>	<b>1061</b>	<b>31</b>	<b>31</b>	<b>100%</b>	<b>42%</b>	<b>-</b>	<b>0.0%</b>
Grass	747			747	747	747	2.5%	19	19			0.00	0.0%					
Silage maize	247			247	247	247	2.9%	7	7			0.00	0.0%					
Fodder legumes	65			65	65	65	7.2%	5	5			0.00	0.0%					
Dried fodder	3.3	0.0	2.0	1.3	1.3	1.3	17.0%	0.2	0.2			0.00	0.0%					