



## Methodological note, Black Sea Grain Initiative

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## Introduction

This brief note documents the main methodological steps taken to evaluate the Black Sea Grain Initiative. It covers (i) the determination of the underlying prices for the calculation of export values, (ii) the apportionment of food vs non-food categories, and (iii) documents the categorization of recipients into the four principal income classes of the World Bank (HIC, UMIC, LMIC and LIC).

## Determining the underlying prices

The calculation of export value equivalents under the Initiative requires a derived representative price for each commodity. In the absence of contractual details, which would document actual transaction prices, it was decided to use a commodity-specific, global trade-weighted export unit value (EUV).

This (average) export unit value ( $\overline{EUV}_{cmd,t}$ ) spans a certain period (t) and is calculated for every individual commodity/product (cmd) as follows:

$$EUV_{cmd,t,i,j} = \frac{VAL_{cmd,t,i,j}}{QTY_{cmd,t,i,j}}$$
$$\overline{EUV}_{cmd,t} = \frac{\sum_i^{world} \sum_j^{world} IUUV_{cmd,t,i,j} \times VAL_{cmd,t,i,j}}{\sum_i^{world} \sum_j^{world} VAL_{cmd,t,i,j}}$$

where  $VAL$  refers to the value of trade in US dollars,  $QTY$  to the underlying quantity,  $t$  = month/year of interest,  $cmd$  = commodity code to the appropriate trade classification or HS level,  $i, j$  denote available trade partners and reporters. UV (including import,  $IUV$ ) calculations are limited to the relevant unit of measurement, which is frequently, but not exclusively metric tonnes. In applying this approach, we obtain the following EUVs for the 17 commodities exported under the Initiative (Table1).

**Table 1: EUV in US\$/tonne, September 2022**

Commodity	EUV in US\$/tonnes as of September 2022
Barley	275
Canola	951
Corn	281
Peas	3036
Rapeseed	713
Rapeseed meal	342
Soya oil	1548
Soya beans	560
Sugar beet pellet	230
Sunflower oil	1468
Sunflower seed	1252
Sunflower pellets	309
Sunflower meal	309
Wheat	323
Wheat bran pellets	243
Mixed bran	294
Mixed	400

## Classifying the recipient (importing) countries

For analytical purposes, the classification of the currently 40 recipient countries<sup>1</sup> follows the income groupings used by the World Bank, and is shown in Table 2. Specifically, the 40 recipients are composed of 14 High Income Countries (HICs), 6 Upper Middle-Income Countries (UMICs), 13 Lower Middle-Income Countries (LMICs) and 5 Lower Income Countries (LICs)<sup>2</sup>. Two destinations, namely “UAE/India” and “mixed” cannot be assigned to any of the four World Bank income classes.

**Table 2: Classification of recipients by World Bank Income Group**

Country	Income Group WB	Income Group Code	#
Belgium	High Income	HIC	1
France	High Income	HIC	2
Germany	High Income	HIC	3
Greece	High Income	HIC	4
Ireland	High Income	HIC	5
Israel	High Income	HIC	6
Italy	High Income	HIC	7
Portugal	High Income	HIC	8
Republic of Korea	High Income	HIC	9
Romania	High Income	HIC	10
Spain	High Income	HIC	11
The Netherlands	High Income	HIC	12
EU	High Income	HIC	13
Oman	High Income	HIC	14
Bulgaria	Upper Middle Income	UMIC	1
China	Upper Middle Income	UMIC	2
Georgia	Upper Middle Income	UMIC	3
Libya	Upper Middle Income	UMIC	4
Malaysia	Upper Middle Income	UMIC	5
Türkiye	Upper Middle Income	UMIC	6
Lebanon	Lower Middle Income	LMIC	1
Tunisia	Lower Middle Income	LMIC	2
Morocco	Lower Middle Income	LMIC	3
Algeria	Lower Middle Income	LMIC	4
Bangladesh	Lower Middle Income	LMIC	5
Egypt	Lower Middle Income	LMIC	6
Indonesia	Lower Middle Income	LMIC	7
India	Lower Middle Income	LMIC	8
Iran	Lower Middle Income	LMIC	9
Kenya	Lower Middle Income	LMIC	10

<sup>1</sup> In addition to individual member countries, the EU is listed as a separate destination

<sup>2</sup> The Joint Control Center (JCC) classifies one recipient as “Mixed”, which can obviously not be allocated to any of the World Bank income groups

<b>Djibouti</b>	Lower Middle Income	LMIC	11
<b>Viet Nam</b>	Lower Middle Income	LMIC	12
<b>Pakistan</b>	Lower Middle Income	LMIC	13
<b>Afghanistan</b>	Low Income	LIC	1
<b>Ethiopia</b>	Low Income	LIC	2
<b>Somalia</b>	Low Income	LIC	3
<b>Sudan</b>	Low Income	LIC	4
<b>Yemen</b>	Low Income	LIC	5
<b>“Mixed”</b>			1
<b>UAE/India</b>			2

## Classifying food and non-food products

In an initial attempt to distinguish between food and non-food items (see Table 1), it was simply decided to classify wheat, peas and all vegetable oils as food items, with the rest assumed as non-food items. However, as the number of commodities has risen with the implementation of the Initiative, it was necessary to take a more systematic approach to differentiate between food and non-food items.

In principle, most agricultural products exported under the Initiative can serve either as food or as feed. Maize (Corn), for instance, is mostly used as an animal feedstuff or as a feedstock for biofuels, but it can also serve as a food item, notably in poorer countries. Conversely, while wheat is mainly used as a foodstuff, it is also used as feed, notably in richer countries. To overcome these ambiguities, it was decided to take guidance from the actual use in every recipient country and every product exported under the Initiative.

Specifically, the separation into food and non-food is based on a 3-year average of corresponding utilisation data from the latest available FAO Food Balance Sheets, i.e., the average 2017-2019. For countries where food balance sheets are not available (Somalia, Djibouti as well as “Mixed”) the following assumption was made. The food shares for Somalia are the same as those calculated for neighbouring Sudan, those for Djibouti are “borrowed” from those of Ethiopia and the shares for “Mixed” are the same as those of Türkiye.

The overall assumption behind this approach is that a recipient country will use the incoming commodity in the same proportions as it uses the commodity in its domestic market. The important exception to this approach applies to oilseeds, where the apportionment is in line with the oil/meal content ratio of every oilseed. This is necessary as the food allocation in the Food Balance Sheets refers to direct consumption of oilseeds. For instance, the consumption of soybeans refers to consuming soybeans as such, which is also called “confectionary use”. This was deemed inappropriate as it would allocate an unduly low proportion to food use. By using the oil/meal ratio, soybeans, for instance render 20 percent oil (food) and 80 percent meal (non-food), which is of a much higher food share than what the food balance sheet suggest in every recipient. The same approach is applied to other oleaginous seeds such as canola, rapeseed, sunflower seed, and again using the seeds-specific oil/meal shares. In addition, products that do not appear in the Food Balance Sheets because they are not used in any country as food are automatically relegated to the non-food rubric. These include all oil meals, brans and pellets.

Specifically, the food shares are calculated as follows:

$$FoodShare (\%) = \frac{domestic + tourist\ food\ consumption_{i,c,2017/19}}{total\ disappearance_{i,c,207/19}} \times 100$$

where  $i$  refers to a given recipient country and  $c$  to a given commodity. The resulting food shares are summarized in Table 3.

**Table 3: Food shares by recipient and commodity**

Recipient	Commodity	Food Share
Afghanistan	Barley	22%
Afghanistan	Canola	40%
Afghanistan	Corn	35%
Afghanistan	Mixed bran	0%
Afghanistan	Peas	77%
Afghanistan	Rapeseed	40%
Afghanistan	Rapeseed meal	0%
Afghanistan	Soya beans	20%
Afghanistan	Sugar beet pellet	0%
Afghanistan	Sunflower meal	0%
Afghanistan	Sunflower oil	100%
Afghanistan	Sunflower pellets	0%
Afghanistan	Sunflower seed	40%
Afghanistan	Wheat	83%
Afghanistan	Wheat bran pellets	0%
Algeria	Barley	28%
Algeria	Canola	40%
Algeria	Corn	16%
Algeria	Mixed bran	0%
Algeria	Peas	92%
Algeria	Rapeseed	40%
Algeria	Rapeseed meal	0%
Algeria	Soya beans	20%
Algeria	Sugar beet pellet	0%
Algeria	Sunflower meal	0%
Algeria	Sunflower oil	100%
Algeria	Sunflower pellets	0%
Algeria	Sunflower seed	40%
Algeria	Wheat	69%
Algeria	Wheat bran pellets	0%
Bangladesh	Barley	0%
Bangladesh	Canola	40%
Bangladesh	Corn	2%
Bangladesh	Mixed bran	0%
Bangladesh	Peas	81%
Bangladesh	Rapeseed	40%
Bangladesh	Rapeseed meal	0%

<b>Bangladesh</b>	Soya beans	20%
<b>Bangladesh</b>	Sugar beet pellet	0%
<b>Bangladesh</b>	Sunflower meal	0%
<b>Bangladesh</b>	Sunflower oil	100%
<b>Bangladesh</b>	Sunflower pellets	0%
<b>Bangladesh</b>	Sunflower seed	40%
<b>Bangladesh</b>	Wheat	46%
<b>Bangladesh</b>	Wheat bran pellets	0%
<b>Belgium</b>	Barley	1%
<b>Belgium</b>	Canola	40%
<b>Belgium</b>	Corn	1%
<b>Belgium</b>	Mixed bran	0%
<b>Belgium</b>	Peas	18%
<b>Belgium</b>	Rapeseed	40%
<b>Belgium</b>	Rapeseed meal	0%
<b>Belgium</b>	Soya beans	20%
<b>Belgium</b>	Sugar beet pellet	0%
<b>Belgium</b>	Sunflower meal	0%
<b>Belgium</b>	Sunflower oil	7%
<b>Belgium</b>	Sunflower pellets	0%
<b>Belgium</b>	Sunflower seed	40%
<b>Belgium</b>	Wheat	27%
<b>Belgium</b>	Wheat bran pellets	0%
<b>Bulgaria</b>	Barley	2%
<b>Bulgaria</b>	Canola	40%
<b>Bulgaria</b>	Corn	20%
<b>Bulgaria</b>	Mixed bran	0%
<b>Bulgaria</b>	Peas	4%
<b>Bulgaria</b>	Rapeseed	40%
<b>Bulgaria</b>	Rapeseed meal	0%
<b>Bulgaria</b>	Soya beans	20%
<b>Bulgaria</b>	Sugar beet pellet	0%
<b>Bulgaria</b>	Sunflower meal	0%
<b>Bulgaria</b>	Sunflower oil	72%
<b>Bulgaria</b>	Sunflower pellets	0%
<b>Bulgaria</b>	Sunflower seed	40%
<b>Bulgaria</b>	Wheat	43%
<b>Bulgaria</b>	Wheat bran pellets	0%
<b>China</b>	Barley	7%
<b>China</b>	Canola	40%
<b>China</b>	Corn	3%
<b>China</b>	Mixed bran	0%
<b>China</b>	Peas	23%
<b>China</b>	Rapeseed	40%
<b>China</b>	Rapeseed meal	0%
<b>China</b>	Soya beans	20%

<b>China</b>	Sugar beet pellet	0%
<b>China</b>	Sunflower meal	0%
<b>China</b>	Sunflower oil	23%
<b>China</b>	Sunflower pellets	0%
<b>China</b>	Sunflower seed	40%
<b>China</b>	Wheat	76%
<b>China</b>	Wheat bran pellets	0%
<b>Djibouti</b>	Barley	75%
<b>Djibouti</b>	Canola	40%
<b>Djibouti</b>	Corn	58%
<b>Djibouti</b>	Mixed bran	0%
<b>Djibouti</b>	Peas	93%
<b>Djibouti</b>	Rapeseed	40%
<b>Djibouti</b>	Rapeseed meal	0%
<b>Djibouti</b>	Soya beans	20%
<b>Djibouti</b>	Sugar beet pellet	0%
<b>Djibouti</b>	Sunflower meal	0%
<b>Djibouti</b>	Sunflower oil	100%
<b>Djibouti</b>	Sunflower pellets	0%
<b>Djibouti</b>	Sunflower seed	40%
<b>Djibouti</b>	Wheat	61%
<b>Djibouti</b>	Wheat bran pellets	0%
<b>Egypt</b>	Barley	10%
<b>Egypt</b>	Canola	40%
<b>Egypt</b>	Corn	38%
<b>Egypt</b>	Mixed bran	0%
<b>Egypt</b>	Peas	93%
<b>Egypt</b>	Rapeseed	40%
<b>Egypt</b>	Rapeseed meal	0%
<b>Egypt</b>	Soya beans	20%
<b>Egypt</b>	Sugar beet pellet	0%
<b>Egypt</b>	Sunflower meal	0%
<b>Egypt</b>	Sunflower oil	56%
<b>Egypt</b>	Sunflower pellets	0%
<b>Egypt</b>	Sunflower seed	40%
<b>Egypt</b>	Wheat	81%
<b>Egypt</b>	Wheat bran pellets	0%
<b>Ethiopia</b>	Barley	75%
<b>Ethiopia</b>	Canola	40%
<b>Ethiopia</b>	Corn	58%
<b>Ethiopia</b>	Mixed bran	0%
<b>Ethiopia</b>	Peas	93%
<b>Ethiopia</b>	Rapeseed	40%
<b>Ethiopia</b>	Rapeseed meal	0%
<b>Ethiopia</b>	Soya beans	20%
<b>Ethiopia</b>	Sugar beet pellet	0%

<b>Ethiopia</b>	Sunflower meal	0%
<b>Ethiopia</b>	Sunflower oil	100%
<b>Ethiopia</b>	Sunflower pellets	0%
<b>Ethiopia</b>	Sunflower seed	40%
<b>Ethiopia</b>	Wheat	61%
<b>Ethiopia</b>	Wheat bran pellets	0%
<b>EU</b>	Barley	1%
<b>EU</b>	Canola	40%
<b>EU</b>	Corn	5%
<b>EU</b>	Peas	15%
<b>EU</b>	Rapeseed	40%
<b>EU</b>	Soya beans	20%
<b>EU</b>	Sunflower oil	59%
<b>EU</b>	Sunflower seed	40%
<b>EU</b>	Wheat	44%
<b>France</b>	Barley	1%
<b>France</b>	Canola	40%
<b>France</b>	Corn	10%
<b>France</b>	Mixed bran	0%
<b>France</b>	Peas	4%
<b>France</b>	Rapeseed	40%
<b>France</b>	Rapeseed meal	0%
<b>France</b>	Soya beans	20%
<b>France</b>	Sugar beet pellet	0%
<b>France</b>	Sunflower meal	0%
<b>France</b>	Sunflower oil	100%
<b>France</b>	Sunflower pellets	0%
<b>France</b>	Sunflower seed	40%
<b>France</b>	Wheat	40%
<b>France</b>	Wheat bran pellets	0%
<b>Georgia</b>	Barley	61%
<b>Georgia</b>	Canola	40%
<b>Georgia</b>	Corn	36%
<b>Georgia</b>	Mixed bran	0%
<b>Georgia</b>	Peas	0%
<b>Georgia</b>	Rapeseed	40%
<b>Georgia</b>	Rapeseed meal	0%
<b>Georgia</b>	Soya beans	20%
<b>Georgia</b>	Sugar beet pellet	0%
<b>Georgia</b>	Sunflower meal	0%
<b>Georgia</b>	Sunflower oil	47%
<b>Georgia</b>	Sunflower pellets	0%
<b>Georgia</b>	Sunflower seed	40%
<b>Georgia</b>	Wheat	87%
<b>Georgia</b>	Wheat bran pellets	0%
<b>Germany</b>	Barley	0%



<b>Germany</b>	Canola	40%
<b>Germany</b>	Corn	13%
<b>Germany</b>	Mixed bran	0%
<b>Germany</b>	Peas	10%
<b>Germany</b>	Rapeseed	40%
<b>Germany</b>	Rapeseed meal	0%
<b>Germany</b>	Soya beans	20%
<b>Germany</b>	Sugar beet pellet	0%
<b>Germany</b>	Sunflower meal	0%
<b>Germany</b>	Sunflower oil	97%
<b>Germany</b>	Sunflower pellets	0%
<b>Germany</b>	Sunflower seed	40%
<b>Germany</b>	Wheat	41%
<b>Germany</b>	Wheat bran pellets	0%
<b>Greece</b>	Barley	0%
<b>Greece</b>	Canola	40%
<b>Greece</b>	Corn	1%
<b>Greece</b>	Mixed bran	0%
<b>Greece</b>	Peas	7%
<b>Greece</b>	Rapeseed	40%
<b>Greece</b>	Rapeseed meal	0%
<b>Greece</b>	Soya beans	20%
<b>Greece</b>	Sugar beet pellet	0%
<b>Greece</b>	Sunflower meal	0%
<b>Greece</b>	Sunflower oil	31%
<b>Greece</b>	Sunflower pellets	0%
<b>Greece</b>	Sunflower seed	40%
<b>Greece</b>	Wheat	61%
<b>Greece</b>	Wheat bran pellets	0%
<b>India</b>	Barley	80%
<b>India</b>	Canola	40%
<b>India</b>	Corn	46%
<b>India</b>	Mixed bran	0%
<b>India</b>	Peas	93%
<b>India</b>	Rapeseed	40%
<b>India</b>	Rapeseed meal	0%
<b>India</b>	Soya beans	20%
<b>India</b>	Sugar beet pellet	0%
<b>India</b>	Sunflower meal	0%
<b>India</b>	Sunflower oil	92%
<b>India</b>	Sunflower pellets	0%
<b>India</b>	Sunflower seed	40%
<b>India</b>	Wheat	87%
<b>India</b>	Wheat bran pellets	0%
<b>Indonesia</b>	Barley	9%
<b>Indonesia</b>	Canola	40%

<b>Indonesia</b>	Corn	25%
<b>Indonesia</b>	Peas	100%
<b>Indonesia</b>	Rapeseed	40%
<b>Indonesia</b>	Soya beans	11%
<b>Indonesia</b>	Sunflower oil	100%
<b>Indonesia</b>	Sunflower seed	40%
<b>Indonesia</b>	Wheat	98%
<b>Iran</b>	Barley	1%
<b>Iran</b>	Canola	40%
<b>Iran</b>	Corn	3%
<b>Iran</b>	Mixed bran	0%
<b>Iran</b>	Peas	100%
<b>Iran</b>	Rapeseed	40%
<b>Iran</b>	Rapeseed meal	0%
<b>Iran</b>	Soya beans	20%
<b>Iran</b>	Sugar beet pellet	0%
<b>Iran</b>	Sunflower meal	0%
<b>Iran</b>	Sunflower oil	81%
<b>Iran</b>	Sunflower pellets	0%
<b>Iran</b>	Sunflower seed	40%
<b>Iran</b>	Wheat	92%
<b>Iran</b>	Wheat bran pellets	0%
<b>Iraq</b>	Barley	7%
<b>Iraq</b>	Canola	40%
<b>Iraq</b>	Corn	3%
<b>Iraq</b>	Peas	91%
<b>Iraq</b>	Rapeseed	40%
<b>Iraq</b>	Soya beans	20%
<b>Iraq</b>	Sunflower oil	49%
<b>Iraq</b>	Sunflower seed	34%
<b>Iraq</b>	Wheat	70%
<b>Ireland</b>	Barley	1%
<b>Ireland</b>	Canola	40%
<b>Ireland</b>	Corn	4%
<b>Ireland</b>	Mixed bran	0%
<b>Ireland</b>	Peas	67%
<b>Ireland</b>	Rapeseed	40%
<b>Ireland</b>	Rapeseed meal	0%
<b>Ireland</b>	Soya beans	20%
<b>Ireland</b>	Sugar beet pellet	0%
<b>Ireland</b>	Sunflower meal	0%
<b>Ireland</b>	Sunflower oil	100%
<b>Ireland</b>	Sunflower pellets	0%
<b>Ireland</b>	Sunflower seed	40%
<b>Ireland</b>	Wheat	40%
<b>Ireland</b>	Wheat bran pellets	0%

Israel	Barley	1%
Israel	Canola	40%
Israel	Corn	7%
Israel	Mixed bran	0%
Israel	Peas	82%
Israel	Rapeseed	40%
Israel	Rapeseed meal	0%
Israel	Soya beans	20%
Israel	Sugar beet pellet	0%
Israel	Sunflower meal	0%
Israel	Sunflower oil	100%
Israel	Sunflower pellets	0%
Israel	Sunflower seed	40%
Israel	Wheat	52%
Israel	Wheat bran pellets	0%
Italy	Barley	1%
Italy	Canola	40%
Italy	Corn	2%
Italy	Mixed bran	0%
Italy	Peas	49%
Italy	Rapeseed	40%
Italy	Rapeseed meal	0%
Italy	Soya beans	20%
Italy	Sugar beet pellet	0%
Italy	Sunflower meal	0%
Italy	Sunflower oil	50%
Italy	Sunflower pellets	0%
Italy	Sunflower seed	40%
Italy	Wheat	80%
Italy	Wheat bran pellets	0%
Kenya	Barley	2%
Kenya	Canola	40%
Kenya	Corn	92%
Kenya	Mixed bran	0%
Kenya	Peas	100%
Kenya	Rapeseed	40%
Kenya	Rapeseed meal	0%
Kenya	Soya beans	20%
Kenya	Sugar beet pellet	0%
Kenya	Sunflower meal	0%
Kenya	Sunflower oil	100%
Kenya	Sunflower pellets	0%
Kenya	Sunflower seed	40%
Kenya	Wheat	94%
Kenya	Wheat bran pellets	0%
Lebanon	Barley	3%

<b>Lebanon</b>	Canola	40%
<b>Lebanon</b>	Corn	0%
<b>Lebanon</b>	Mixed bran	0%
<b>Lebanon</b>	Peas	100%
<b>Lebanon</b>	Rapeseed	40%
<b>Lebanon</b>	Rapeseed meal	0%
<b>Lebanon</b>	Soya beans	20%
<b>Lebanon</b>	Sugar beet pellet	0%
<b>Lebanon</b>	Sunflower meal	0%
<b>Lebanon</b>	Sunflower oil	36%
<b>Lebanon</b>	Sunflower pellets	0%
<b>Lebanon</b>	Sunflower seed	40%
<b>Lebanon</b>	Wheat	92%
<b>Lebanon</b>	Wheat bran pellets	0%
<b>Libya</b>	Barley	25%
<b>Libya</b>	Canola	40%
<b>Libya</b>	Corn	3%
<b>Libya</b>	Mixed bran	0%
<b>Libya</b>	Peas	79%
<b>Libya</b>	Rapeseed	40%
<b>Libya</b>	Rapeseed meal	0%
<b>Libya</b>	Soya beans	20%
<b>Libya</b>	Sugar beet pellet	0%
<b>Libya</b>	Sunflower meal	0%
<b>Libya</b>	Sunflower oil	100%
<b>Libya</b>	Sunflower pellets	0%
<b>Libya</b>	Sunflower seed	40%
<b>Libya</b>	Wheat	59%
<b>Libya</b>	Wheat bran pellets	0%
<b>Malaysia</b>	Barley	0%
<b>Malaysia</b>	Canola	40%
<b>Malaysia</b>	Corn	11%
<b>Malaysia</b>	Mixed bran	0%
<b>Malaysia</b>	Peas	100%
<b>Malaysia</b>	Rapeseed	40%
<b>Malaysia</b>	Rapeseed meal	0%
<b>Malaysia</b>	Soya beans	20%
<b>Malaysia</b>	Sugar beet pellet	0%
<b>Malaysia</b>	Sunflower meal	0%
<b>Malaysia</b>	Sunflower oil	100%
<b>Malaysia</b>	Sunflower pellets	0%
<b>Malaysia</b>	Sunflower seed	40%
<b>Malaysia</b>	Wheat	95%
<b>Malaysia</b>	Wheat bran pellets	0%
<b>Morocco</b>	Barley	52%
<b>Morocco</b>	Canola	40%

<b>Morocco</b>	Corn	62%
<b>Morocco</b>	Peas	85%
<b>Morocco</b>	Rapeseed	40%
<b>Morocco</b>	Soya beans	20%
<b>Morocco</b>	Sunflower oil	98%
<b>Morocco</b>	Sunflower seed	40%
<b>Morocco</b>	Wheat	62%
<b>Oman</b>	Barley	0%
<b>Oman</b>	Canola	40%
<b>Oman</b>	Corn	27%
<b>Oman</b>	Peas	100%
<b>Oman</b>	Rapeseed	40%
<b>Oman</b>	Soya beans	20%
<b>Oman</b>	Sunflower oil	100%
<b>Oman</b>	Sunflower seed	40%
<b>Oman</b>	Wheat	94%
<b>Pakistan</b>	Barley	1%
<b>Pakistan</b>	Canola	40%
<b>Pakistan</b>	Corn	12%
<b>Pakistan</b>	Peas	63%
<b>Pakistan</b>	Rapeseed	40%
<b>Pakistan</b>	Soya beans	20%
<b>Pakistan</b>	Sunflower oil	46%
<b>Pakistan</b>	Sunflower seed	40%
<b>Pakistan</b>	Wheat	45%
<b>Portugal</b>	Barley	10%
<b>Portugal</b>	Canola	40%
<b>Portugal</b>	Corn	6%
<b>Portugal</b>	Mixed bran	0%
<b>Portugal</b>	Peas	93%
<b>Portugal</b>	Rapeseed	40%
<b>Portugal</b>	Rapeseed meal	0%
<b>Portugal</b>	Soya beans	20%
<b>Portugal</b>	Sugar beet pellet	0%
<b>Portugal</b>	Sunflower meal	0%
<b>Portugal</b>	Sunflower oil	42%
<b>Portugal</b>	Sunflower pellets	0%
<b>Portugal</b>	Sunflower seed	40%
<b>Portugal</b>	Wheat	68%
<b>Portugal</b>	Wheat bran pellets	0%
<b>Republic of Korea</b>	Barley	12%
<b>Republic of Korea</b>	Canola	40%
<b>Republic of Korea</b>	Corn	8%
<b>Republic of Korea</b>	Mixed bran	0%
<b>Republic of Korea</b>	Peas	100%
<b>Republic of Korea</b>	Rapeseed	40%

<b>Republic of Korea</b>	Rapeseed meal	0%
<b>Republic of Korea</b>	Soya beans	20%
<b>Republic of Korea</b>	Sugar beet pellet	0%
<b>Republic of Korea</b>	Sunflower meal	0%
<b>Republic of Korea</b>	Sunflower oil	100%
<b>Republic of Korea</b>	Sunflower pellets	0%
<b>Republic of Korea</b>	Sunflower seed	40%
<b>Republic of Korea</b>	Wheat	62%
<b>Republic of Korea</b>	Wheat bran pellets	0%
<b>Romania</b>	Barley	3%
<b>Romania</b>	Canola	40%
<b>Romania</b>	Corn	8%
<b>Romania</b>	Mixed bran	0%
<b>Romania</b>	Peas	4%
<b>Romania</b>	Rapeseed	40%
<b>Romania</b>	Rapeseed meal	0%
<b>Romania</b>	Soya beans	20%
<b>Romania</b>	Sugar beet pellet	0%
<b>Romania</b>	Sunflower meal	0%
<b>Romania</b>	Sunflower oil	79%
<b>Romania</b>	Sunflower pellets	0%
<b>Romania</b>	Sunflower seed	40%
<b>Romania</b>	Wheat	58%
<b>Romania</b>	Wheat bran pellets	0%
<b>Somalia</b>	Barley	0%
<b>Somalia</b>	Canola	40%
<b>Somalia</b>	Corn	44%
<b>Somalia</b>	Mixed bran	0%
<b>Somalia</b>	Peas	100%
<b>Somalia</b>	Rapeseed	40%
<b>Somalia</b>	Rapeseed meal	0%
<b>Somalia</b>	Soya beans	20%
<b>Somalia</b>	Sugar beet pellet	0%
<b>Somalia</b>	Sunflower meal	0%
<b>Somalia</b>	Sunflower oil	100%
<b>Somalia</b>	Sunflower pellets	0%
<b>Somalia</b>	Sunflower seed	40%
<b>Somalia</b>	Wheat	97%
<b>Somalia</b>	Wheat bran pellets	0%
<b>Spain</b>	Barley	0%
<b>Spain</b>	Canola	40%
<b>Spain</b>	Corn	1%
<b>Spain</b>	Mixed bran	0%
<b>Spain</b>	Peas	11%
<b>Spain</b>	Rapeseed	40%
<b>Spain</b>	Rapeseed meal	0%

<b>Spain</b>	Soya beans	20%
<b>Spain</b>	Sugar beet pellet	0%
<b>Spain</b>	Sunflower meal	0%
<b>Spain</b>	Sunflower oil	61%
<b>Spain</b>	Sunflower pellets	0%
<b>Spain</b>	Sunflower seed	40%
<b>Spain</b>	Wheat	41%
<b>Spain</b>	Wheat bran pellets	0%
<b>Sudan</b>	Barley	0%
<b>Sudan</b>	Canola	40%
<b>Sudan</b>	Corn	44%
<b>Sudan</b>	Mixed bran	0%
<b>Sudan</b>	Peas	100%
<b>Sudan</b>	Rapeseed	40%
<b>Sudan</b>	Rapeseed meal	0%
<b>Sudan</b>	Soya beans	20%
<b>Sudan</b>	Sugar beet pellet	0%
<b>Sudan</b>	Sunflower meal	0%
<b>Sudan</b>	Sunflower oil	100%
<b>Sudan</b>	Sunflower pellets	0%
<b>Sudan</b>	Sunflower seed	40%
<b>Sudan</b>	Wheat	97%
<b>Sudan</b>	Wheat bran pellets	0%
<b>TBD and Türkiye</b>	Barley	0%
<b>TBD and Türkiye</b>	Canola	40%
<b>TBD and Türkiye</b>	Corn	21%
<b>TBD and Türkiye</b>	Mixed bran	0%
<b>TBD and Türkiye</b>	Peas	83%
<b>TBD and Türkiye</b>	Rapeseed	40%
<b>TBD and Türkiye</b>	Rapeseed meal	0%
<b>TBD and Türkiye</b>	Soya beans	20%
<b>TBD and Türkiye</b>	Sugar beet pellet	0%
<b>TBD and Türkiye</b>	Sunflower meal	0%
<b>TBD and Türkiye</b>	Sunflower oil	37%
<b>TBD and Türkiye</b>	Sunflower pellets	0%
<b>TBD and Türkiye</b>	Sunflower seed	40%
<b>TBD and Türkiye</b>	Wheat	70%
<b>TBD and Türkiye</b>	Wheat bran pellets	0%
<b>The Netherlands</b>	Barley	2%
<b>The Netherlands</b>	Canola	40%
<b>The Netherlands</b>	Corn	1%
<b>The Netherlands</b>	Mixed bran	0%
<b>The Netherlands</b>	Peas	27%
<b>The Netherlands</b>	Rapeseed	40%
<b>The Netherlands</b>	Rapeseed meal	0%
<b>The Netherlands</b>	Soya beans	20%

<b>The Netherlands</b>	Sugar beet pellet	0%
<b>The Netherlands</b>	Sunflower meal	0%
<b>The Netherlands</b>	Sunflower oil	3%
<b>The Netherlands</b>	Sunflower pellets	0%
<b>The Netherlands</b>	Sunflower seed	40%
<b>The Netherlands</b>	Wheat	20%
<b>The Netherlands</b>	Wheat bran pellets	0%
<b>Tunisia</b>	Barley	5%
<b>Tunisia</b>	Canola	40%
<b>Tunisia</b>	Corn	0%
<b>Tunisia</b>	Mixed bran	0%
<b>Tunisia</b>	Peas	95%
<b>Tunisia</b>	Rapeseed	40%
<b>Tunisia</b>	Rapeseed meal	0%
<b>Tunisia</b>	Soya beans	20%
<b>Tunisia</b>	Sugar beet pellet	0%
<b>Tunisia</b>	Sunflower meal	0%
<b>Tunisia</b>	Sunflower oil	87%
<b>Tunisia</b>	Sunflower pellets	0%
<b>Tunisia</b>	Sunflower seed	40%
<b>Tunisia</b>	Wheat	83%
<b>Tunisia</b>	Wheat bran pellets	0%
<b>Türkiye</b>	Barley	0%
<b>Türkiye</b>	Canola	40%
<b>Türkiye</b>	Corn	21%
<b>Türkiye</b>	Mixed bran	0%
<b>Türkiye</b>	Peas	83%
<b>Türkiye</b>	Rapeseed	40%
<b>Türkiye</b>	Rapeseed meal	0%
<b>Türkiye</b>	Soya beans	20%
<b>Türkiye</b>	Sugar beet pellet	0%
<b>Türkiye</b>	Sunflower meal	0%
<b>Türkiye</b>	Sunflower oil	37%
<b>Türkiye</b>	Sunflower pellets	0%
<b>Türkiye</b>	Sunflower seed	40%
<b>Türkiye</b>	Wheat	70%
<b>Türkiye</b>	Wheat bran pellets	0%
<b>United Kingdom</b>	Barley	1%
<b>United Kingdom</b>	Canola	1%
<b>United Kingdom</b>	Corn	12%
<b>United Kingdom</b>	Mixed bran	0%
<b>United Kingdom</b>	Peas	63%
<b>United Kingdom</b>	Rapeseed	40%
<b>United Kingdom</b>	Rapeseed meal	0%
<b>United Kingdom</b>	Soya beans	20%
<b>United Kingdom</b>	Sugar beet pellet	0%



<b>United Kingdom</b>	Sunflower meal	0%
<b>United Kingdom</b>	Sunflower oil	45%
<b>United Kingdom</b>	Sunflower pellets	0%
<b>United Kingdom</b>	Sunflower seed	40%
<b>United Kingdom</b>	Wheat	45%
<b>United Kingdom</b>	Wheat bran pellets	0%
<b>Viet Nam</b>	Barley	0%
<b>Viet Nam</b>	Canola	40%
<b>Viet Nam</b>	Corn	10%
<b>Viet Nam</b>	Peas	25%
<b>Viet Nam</b>	Rapeseed	40%
<b>Viet Nam</b>	Soya beans	27%
<b>Viet Nam</b>	Sunflower oil	100%
<b>Viet Nam</b>	Sunflower seed	43%
<b>Viet Nam</b>	Wheat	46%
<b>Yemen</b>	Barley	0%
<b>Yemen</b>	Canola	40%
<b>Yemen</b>	Corn	55%
<b>Yemen</b>	Mixed bran	0%
<b>Yemen</b>	Peas	15%
<b>Yemen</b>	Rapeseed	40%
<b>Yemen</b>	Rapeseed meal	0%
<b>Yemen</b>	Soya beans	20%
<b>Yemen</b>	Sugar beet pellet	0%
<b>Yemen</b>	Sunflower meal	0%
<b>Yemen</b>	Sunflower oil	100%
<b>Yemen</b>	Sunflower pellets	0%
<b>Yemen</b>	Sunflower seed	40%
<b>Yemen</b>	Wheat	95%
<b>Yemen</b>	Wheat bran pellets	0%