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Preface

Wageningen Food Safety Research (WFSR), part of Wageningen University & Research, supports the Dutch government in the implementation of laws and regulations that are needed for safe food and healthy animals, and to guarantee a sustainable environment. Those research tasks that are mandatory by law are called 'statutory research tasks'. Within the context of these tasks, WFSR performs research in the field of food and feed safety.

This report is meant to give competent authorities, and the feed industry, tools to strengthen the risk-based monitoring of pesticides in feed materials originating from outside the EU.

Summary

The production and use of animal feed in the Netherlands is based on the import of a large volume of agricultural materials, both from EU and non-EU countries. During the cultivation and post-harvest treatment of crops, pesticides are used for the control of pests and diseases and residues may be present on crops used for food and/or feed. EU Member States apply the same MRLs for pesticides, based on EU legislation, but non-EU import countries may apply other MRLs. Use of higher MRLs in a country of origin may increase the chance that residue levels in a feed commodity exceed EU MRLs, although the residue levels are considered acceptable in the country of origin. To facilitate risk-based monitoring, this study was conducted to provide a priority list of pesticide residues potentially present in the most relevant feed materials imported from non-EU countries.

Based on the use in animal feed from 2015 to 2019, materials with an annual usage of at least 50,000 tonne were selected and countries of origin were derived from the Eurostat database. These feed materials included wheat, maize, barley, oats, triticale, soya beans, rapeseed, palm kernel, sunflower seed, lupins, linseed, sugar beet, sugar cane, citrus, peas and derived products. For countries that contributed at least 3% to the non-EU import, pesticide MRLs for the relevant materials were derived from databases based on national law. These MRLs were compared with EU MRLs obtained from the EU pesticide database. For each commodity, an overview was made of MRLs in relevant non-EU import countries that exceeded EU MRLs. Subsequently, these results were combined in a list of over 600 pesticides for which the MRL in one or more non-EU import countries exceeded EU MRLs (see Annex 15). These results give an indication of which pesticide residues may be expected in feed materials from non-EU countries. It was recommended to compare this list with the present residues included in the National Plan Animal Feed and expand the methods used for the National Plan Animal Feed with the prioritised pesticide residues as included in Annex 15. In addition, this list can be used by feed businesses involved in the import and use of feed materials to strengthen their monitoring of pesticide residues. Finally, some suggestions were given to expand and repeat this study after three to five years.

Glossary

Country code	Country	Country code	Country
ARG	Argentina	MDA	Moldova
AUS	Australia	MEX	Mexico
BIH	Bosnia-Herzegovina	MMR	Myanmar
BRA	Brazil	MRT	Mauritania
CAN	Canada	MUS	Mauritius
CHL	Chile	MYS	Malaysia
CHN	China	NIC	Nicaragua
COL	Colombia	NZL	New Zealand
CRI	Costa Rica	PAK	Pakistan
CUB	Cuba	PER	Peru
DZA	Algeria	PHL	Philippines
ECU	Ecuador	PNG	Papua New Guinea
EGY	Egypt	PRY	Paraguay
ETH	Ethiopia	RUS	Russia
GHA	Ghana	SDN	Sudan
GTM	Guatemala	SRB	Serbia
GUF	French Guyana	SWZ	Swaziland
HND	Honduras	THA	Thailand
IDN	Indonesia	TUR	Turkey
IND	India	UKR	Ukraine
ISR	Israel	URY	Uruguay
JPN	Japan	USA	United States of America
KAZ	Kazakhstan	VNM	Vietnam
KOR	Korea	ZAF	South Africa
MAR	Morocco		

1 Introduction

Pesticides are applied on food and feed crops in order to control pests. The application of pesticides can result in residues of pesticides, which end up in raw materials and/or derived products destined for feed. Maximum residue limits (MRLs) for pesticides on food and feed of both plant and animal origin are laid down in Regulation (EC) No 396/2005. Good agricultural practices (GAP) is the basis for the development of these MRLs. When no residue of a pesticide is detected in the GAP-trials, a default MRL applies in the EU of 0.01 mg/kg, unless specified otherwise in Regulation (EC) No 396/2005. The same counts for residues of pesticides, which are not approved in the EU (European Parliament and Council 2005).

Nowadays, numerous pesticides are applied on food and feed materials all over the world, which is a challenge to monitor in all food and feed materials on the market. Many pesticides are analysed using multi-residue methods (MRMs). In such methods, hundreds of pesticides can be measured simultaneously. However, certain pesticides are not amenable to MRMs and need a dedicated method that includes only one or a few specific pesticide(s). These are referred to SRM pesticides (pesticides requiring a Single Residue Method, SRM). In monitoring programs, it is inevitable that the presence of some pesticides go unnoticed, especially when the use thereof is not known by the safety authorities in the EU. Paraquat is an example hereof, of which quantities above the EU MRL were detected in soybean products in 2016. This was not a single case, more MRL exceedances in levels of paraquat were observed in feed materials hereafter. Following this, the question raised if this could be the case for more pesticide residues. This question triggered new research, starting with a study specifically on SRM pesticides. This was done because analysis of SRM pesticides is relatively cost-intensive and a risk-based approach to find potential issues while avoiding unnecessary analyses is highly advantageous in this case. The aim of the first study was to identify combinations of SRM pesticides and feed materials, which were imported from outside the EU and might contain levels of residues above the EU MRLs. The study resulted in a list of 106 SRM pesticide-feed-import country combinations, which were recommended to be included in the National Plan Animal Feed (Nationaal Plan Diervoeder) (Klüche et al. 2020).

The current study is a follow-up of the study specifically directed to SRM pesticides, which included 35 pesticides. This follow-up study is much more comprehensive and also covers pesticides that can be efficiently analysed through Multi Residue Methods (MRM) based on generic extraction followed by either LC-MS/MS or GC-MS/MS. This is a cost-effective way of measuring high numbers of pesticides in one analysis method. Although in principle over 1000 pesticides can be covered this way, the burden of data processing and quality control in practice leads to a scope of typically 300 pesticides. Hence, also in case of MRM pesticides, not all are analysed in currently used MRMs for the National Plan Animal Feed (Nationaal Plan Diervoeders). Member States are obligated to base their official controls on a risk-based approach, as described in Article 9 of Regulation (EU) 2017/625 (European Parliament and Council 2017). It shall not go unnoticed that all imported feed materials, and thus placed on the market within the EU, shall comply to EU legislation. Nonetheless, applying higher MRLs in the country of origin may result in higher chances of exceeding EU MRLs. Therefore, this study addressed the potential presence of residues above the EU MRL of pesticides in feed materials imported from countries outside the EU. This was conducted by selecting the most relevant feed materials and their origin and, subsequently, comparing the MRLs for pesticide-feed commodity combinations in these non-EU import countries with EU MRLs.

This project aims to provide a priority list of pesticide residues potentially present at higher levels than allowed within the EU in imported feed materials. The results can function as impetus for the National Plan Animal Feed to strengthen risk-based monitoring.

2 Methods and materials

The number of pesticides globally used in agricultural materials and potentially present in derived feed materials (over two thousand) would be too high to compare MRLs of third countries with EU MRLs. Therefore an approach was adopted to first prioritise the relevant feed materials based on the volume of use in the Netherlands, and countries of origin. Subsequently, MRLs for relevant pesticides in these feed materials from relevant countries were derived from databases and legislation and compared with EU MRLs. A flowchart describing the approach of this research is given in Figure 1.

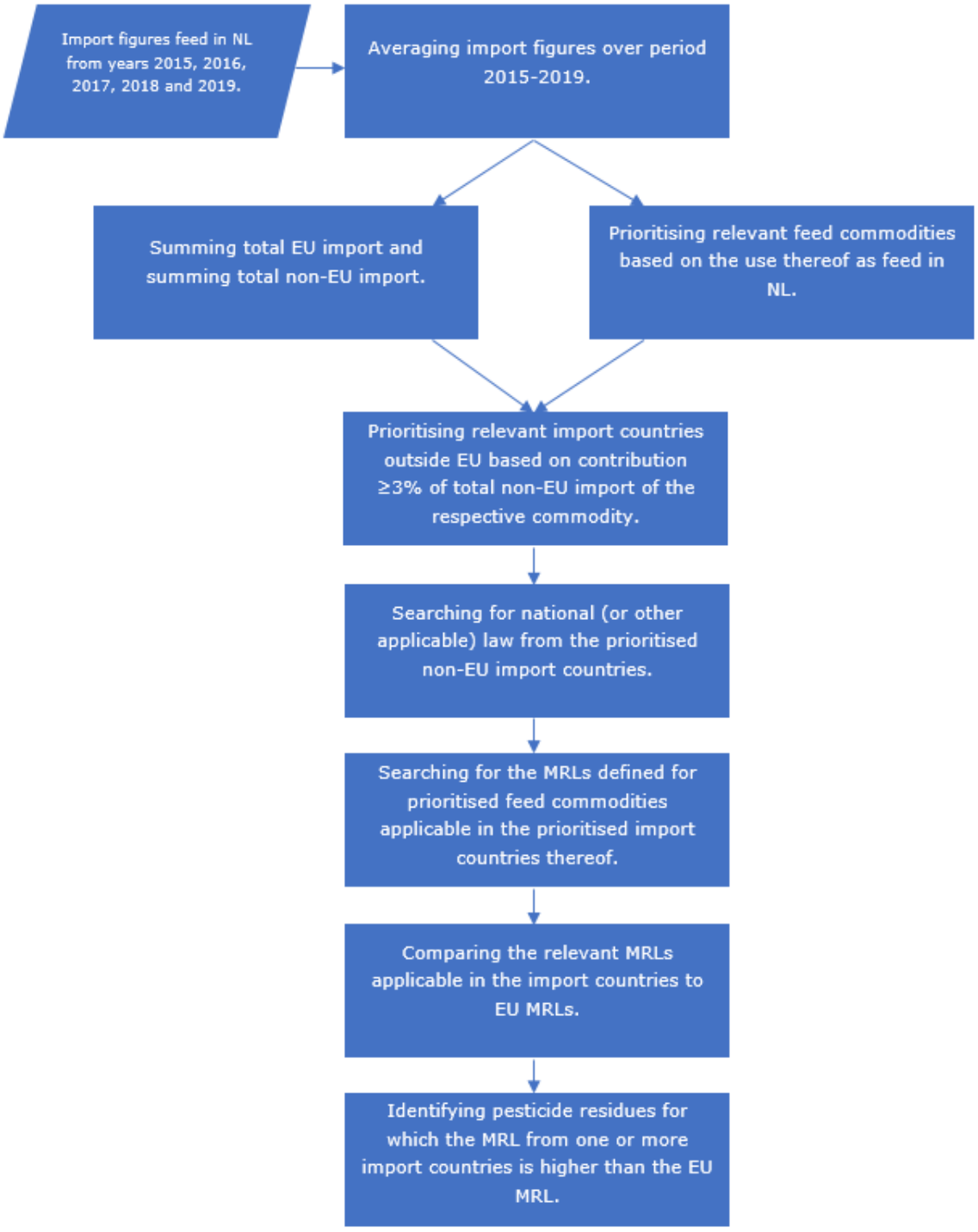

Figure 1 *Flowchart describing the methods used in this study.*

2.1 Selection of feed materials and import countries

In order to identify for which countries and feed materials MRLs were needed, the most relevant feed materials that are used in (compound) feed in The Netherlands and their origin was determined. The use of feed materials was based on annual data provided by SecureFeed, a private organization for feed safety. The origin, i.e. national production and import of feed materials, was based on CBS and Eurostat data as described by Van der Fels-Klerx et al. (2017). The data were averaged over a five-year period between 2015 and 2019. In the first step of the selection procedure, the amounts of the materials of plant origin used as feed in The Netherlands were placed in decreasing order of magnitude. The materials used in an average amount above 50,000 tonne per year were selected for the purpose of this research. In the second step, the countries of origin of the selected feed materials were determined. Since plant protection products are regulated in EU law and MRLs are the same among EU countries, only countries outside the EU were relevant for the purpose of this research. The import from non-EU countries was selected for the purpose of this study. In order to identify the most important non-EU countries as origin of relevant feed materials used in The Netherlands, the total import from feed materials originating from outside the EU was calculated. All country-feed material combinations, from which more than 3% of the total non-EU import for each feed material was imported in the five-year period, were selected for further steps to retrieve the required national MRLs for the plant protection products.

2.2 Extraction of national MRLs

The MRLs that are enforced in the selected import countries for selected feed materials were extracted from national databases for the MRLs on plant protection products. Not all import countries had such a database to their disposal. However, for these countries it was possible to extract the MRLs from national law texts. Some of the relevant non-EU import countries did not have national law on plant protection products and apply MRLs established in the Codex Alimentarius, thus for these countries the MRLs in Codex Alimentarius were used in the present study. The MRLs were extracted into Excel in order to allow a comparison to the EU MRLs, which are exported from the EU Pesticide database into Excel. All the MRLs applicable in the relevant non-EU import countries were listed in a table in Excel per feed commodity and then merged into one table starting with EU MRLs. From this merge, it was possible to obtain a complete comparison between all applicable MRLs per feed commodity. The next step was to filter out the ones, that give in at least one country a higher MRL than the EU MRL. It was key to this study to list all these exceeding MRLs.

3 Results

3.1 Selection of feed materials and import countries

The first step was to prioritise materials used as animal feed in The Netherlands. An overview of plant based feed materials and their use in the Netherlands is given in Figure 2. It can be observed from this figure that cereals, such as wheat and maize, are used far out the most as feed in the Netherlands. All materials that are used in a quantity of 50,000 tonne (marked with the green line in Figure 2) or more were prioritised feed materials for this study.

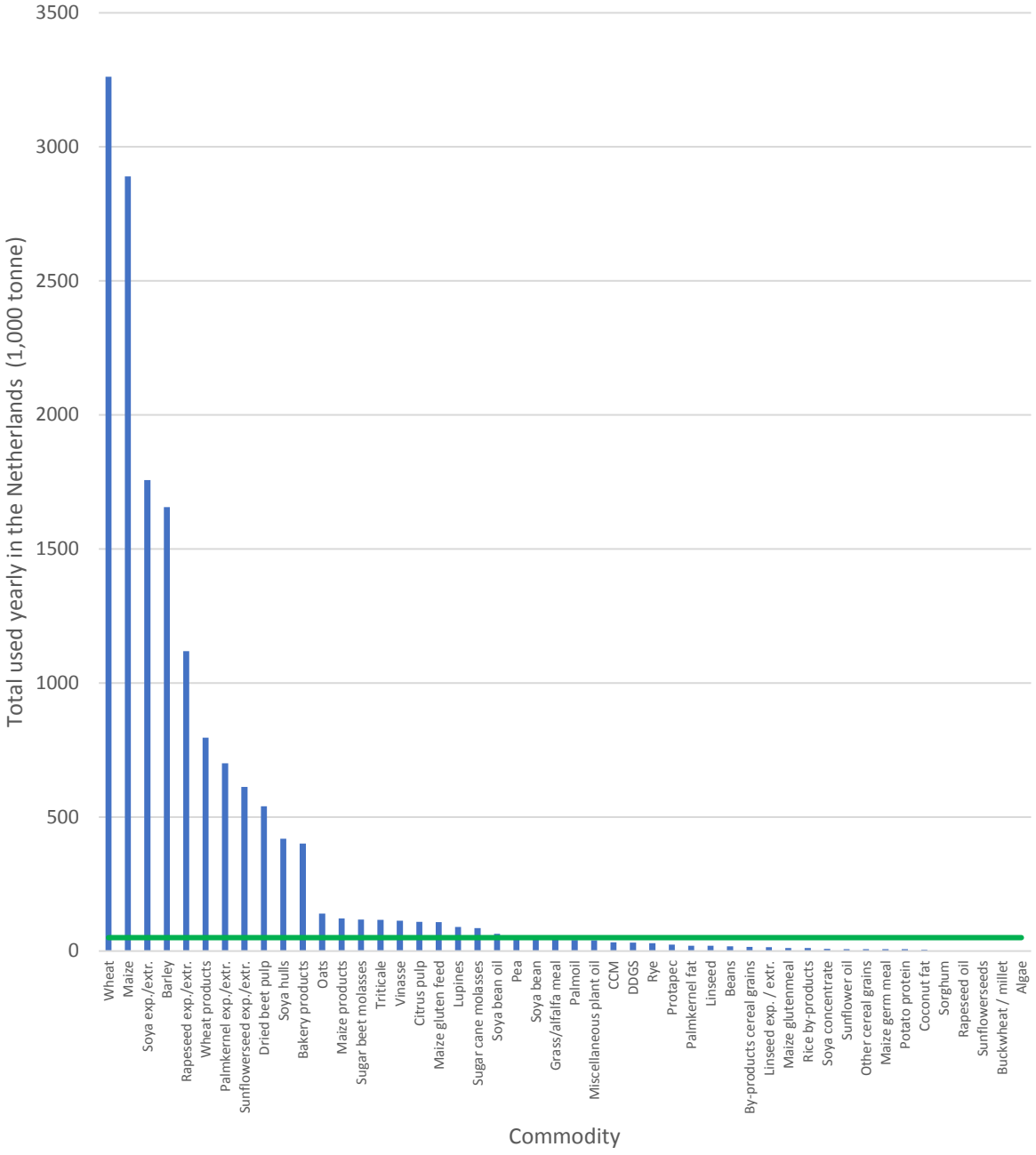

Figure 2 *Use of feed materials in compound feed in the Netherlands in 2015-2019. The horizontal green line marks 50,000 tonne, which was seen as a criterium for relevant feed materials in this study.*

Subsequently, the materials with a mean annual usage as feed in the Netherlands above 50,000 tonne are presented in Figure 3. Although products with a volume below 50,000 tonne were excluded, some of them, e.g. by-products of cereal grains, were implicitly included in the further steps taken for pesticides used on the original raw agricultural commodity with a volume above 50,000 tonne.

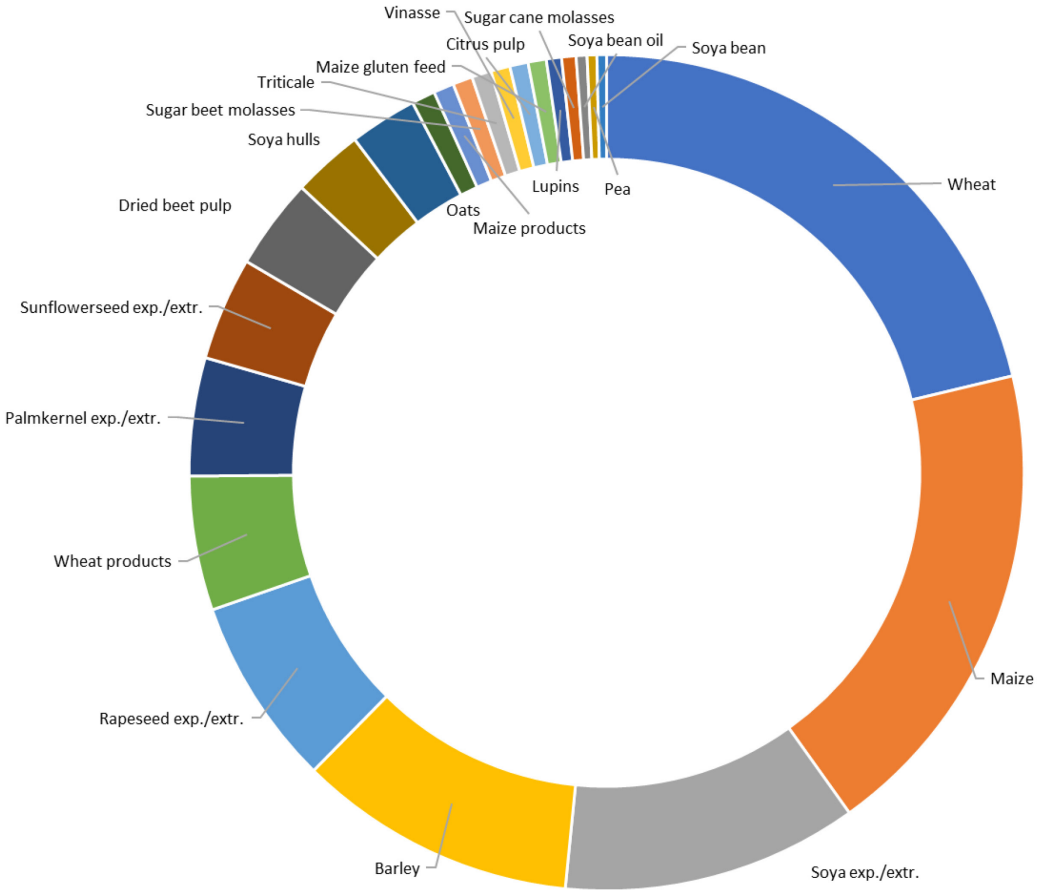

Figure 3 *Feed materials used in The Netherlands in the period 2015-2019, selected for further analysis of pesticide MRLs in countries of origin on the basis of the used volume indicated by the size of the circle piece.*

In the next step, the countries of origin of the prioritised feed materials have been identified and the import volume from each country derived from the Eurostat database. Since plant protection products are subject to EU Regulations and therefore have the same MRL in all EU countries, the countries of origin of the feed materials inside the EU were not further considered in this study. In order to illustrate the magnitude of the import from non-EU countries, Figure 4 shows an overview on the origin of feed materials from within the EU and the import from outside the EU.

The results indicate a wide variation in origin, with products almost exclusively produced in the Netherlands or imported from within the EU, e.g. cereal grains and their products, apart from maize. Other products were largely imported from outside the EU, e.g. soya beans, lupins, and citrus pulp. Some products were largely produced within the EU, e.g. soya bean oil, while the raw agricultural commodity, i.e. soya beans were largely imported from outside the EU.

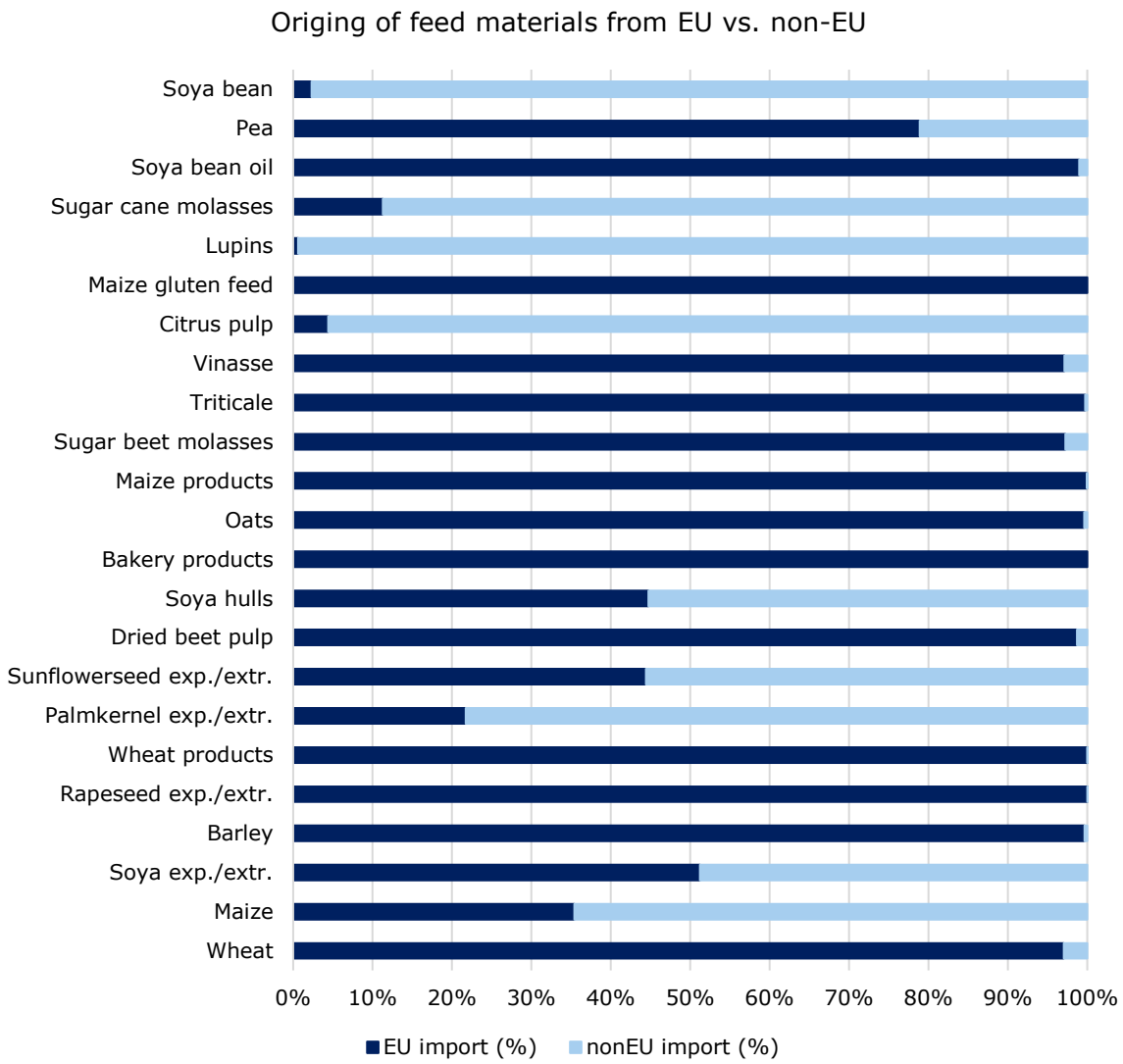

Figure 4 *Relative origin of feed materials with a mean annual usage above 50,000 tonne in the period 2015 to 2019, from EU (including the Netherlands) and non-EU countries.*

The countries Great-Britain, Iceland, Norway and Switzerland do not belong to the EU. Nonetheless, since the withdrawal of Great-Britain from the EU on 31 January 2020 Great Britain has not adopted new law with regard to plant protection products. This means that Great Britain still implements Regulation (EC) No 396/2005 and the MRLs described therein. Further, the countries Iceland, Norway and Switzerland have trade agreements with the EU and therefore also apply the MRLs as laid down in Regulation (EC) No 396/2005 (European Parliament and Council 2005). For this reason, import coming from these countries is considered as EU import.

Figure 5 presents the countries of origin that contribute at least 3% of the total import for the relevant feed materials from non-EU countries. These import countries were included in the further process to retrieve the MRLs for the relevant feed materials to be compared to the EU MRLs.

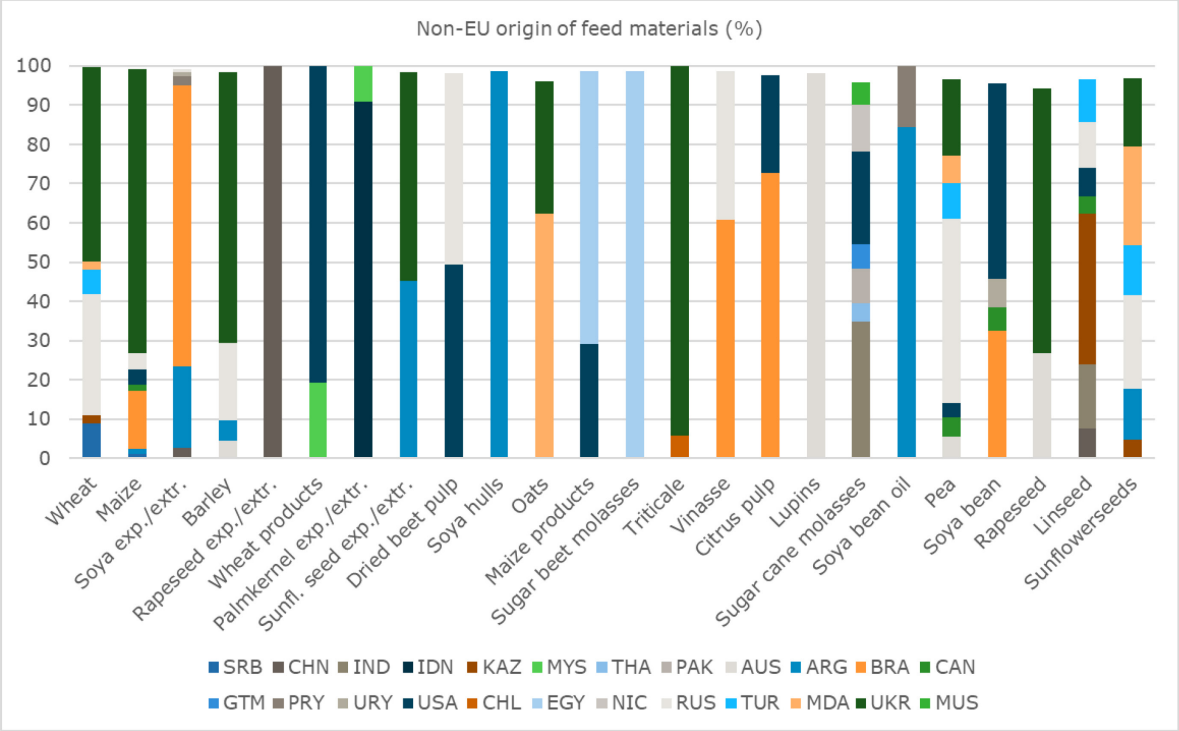

Figure 5 *Countries of origin of feed materials that contributed ≥3% of the total import of non-EU countries. Abbreviations: SRB Serbia, CHN China, IND India, IDN Indonesia, KAZ Kazakhstan, MYS Malaysia, THA Thailand, PAK Pakistan, AUS Australia, ARG Argentina, BRA Brazil, CAN Canada, GTM Guatemala, PRY Paraguay, URY Uruguay, USA United States of America, CHL Chile, EGY Egypt, NIC Nicaragua, RUS Russia, TUR Turkey, MDA Moldova, UKR Ukraine, MUS Mauritius.*

3.2 MRLs in non-EU import countries

For all country-feed commodity combinations, which were selected in the previous paragraph, efforts were made to retrieve the local MRLs. In the majority of the relevant non-EU import countries, MRLs for pesticide residues are established in national law. However, some of the relevant non-EU import countries apply MRLs established in the CODEX Alimentarius (FAO 2019). In the following paragraphs the main non-EU countries of origin for the selected materials and the index materials used to extract the MRLs are summarised. The index commodity is the name of the feed commodity, which was used to filter for the relevant feed materials in the databases.

MRLs within the EU are laid down for pesticide residues on the raw materials and formed the basis for the comparison with the MRLs applied by the non-EU import countries. The EU MRLs were extracted for the index materials wheat, maize, soya beans, barley, rapeseed, palm kernel, sunflower seed, beet, oats, sugar beet, triticale, citrus, lupin, sugar cane, pea and linseed which represent the relevant feed materials. In the EU, MRLs were laid down for 511 pesticide residues or groups thereof for each of these index materials. For the residues, which are not mentioned in EU law, the default MRL (0.01 mg/kg) applies (European Parliament and Council 2005). Subsequently, the differences between the national MRLs from the relevant non-EU import countries and the EU MRLs are presented. The comparison was based on MRLs for the raw materials. When countries of origin also provided MRLs for processed materials, this information was added. For the selected materials, Annex 1-14 provide an overview of pesticide residues with one or more MRLs applicable in non-EU import countries that exceed the EU MRL. The values presenting the MRLs in these annexes are given in mg/kg. A complete overview of all pesticide residues that have an MRL on a relevant feed commodity in one or more of the relevant non-EU import countries is presented in Table A15 in Annex 15.

3.2.1 Wheat

Almost 5,900,000 tonne wheat and approximately 800,000 tonne wheat products were imported into the Netherlands, of which 2.9% and 0.0015% were imported from non-EU countries, respectively. Wheat from outside the EU was imported from Ukraine (49.4%), Russia (30.9%), Serbia (8.8%), Turkey (6.3%), Moldova (2.3%) and Kazachstan (2.1%). The latter two import countries were excluded because of the contribution (<3.0%) to the total non-EU import. For wheat products, the import from outside the EU originated from USA (80.7%) and Malaysia (19.3%). The index commodity representing wheat and wheat products was "Wheat" with the EU crop code 0500090 and the scientific name *Triticum aestivum* (European Parliament and Council 2005). For the relevant import countries, the local MRLs exceeded the EU MRLs with a total of 295 cases. MRLs in Russia exceeded EU MRLs for 126 pesticide residues (Federal service for supervision in the field of consumer rights protection and human well-being 2013), Ukraine for 88 (Ukraine 2001), Turkey for 69 (Ministry of Agriculture and Forestry ND) and USA for 100 (United States Department of Agriculture 2021). From these, USA declared in 55 cases that an MRL was not required, while the EU applied an MRL for these pesticide residues on wheat. Whereas many countries, EU included, have laid down MRL for the raw materials only, USA has described MRLs specifically for processed materials. For wheat short, USA has described MRLs for 34 pesticide residues and for 4 pesticide residues was determined that no MRL is needed (United States Department of Agriculture 2021). Amongst these, 26 are exceeding the EU MRL for wheat. All the exceeding MRLs, including those for the processed commodity wheat shorts, are given in Table A1 in Annex 1. In Malaysia, no MRLs were described for residual pesticides on wheat. Remarkably, no other restrictions are laid down in Malaysian law in case no specific MRL is set (Malaysia 2020).

3.2.2 Maize

Both maize and maize products are used in compound feed in the Netherlands and total import of these materials is almost 5,500,000 tonne and approximately 100,000 tonne, respectively. A great portion (64.6%) of maize was imported from outside the EU, whereas import of maize products from outside the EU (0.0188%) was low. From the maize import outside the EU 72.3% originated from Ukraine, 14.6% from Brazil, 4.2% from Russia, 3.8% from USA, 1.6% from Canada, 1.5% from Argentina and 1.0% from Serbia. Canada, Argentina and Serbia were excluded from further study because of the low contribution (<3%) to non-EU import. Non-EU import of maize products originated from Egypt (69.5%) and USA (29.2%). The index commodity representing maize and maize products was "Maize" with the EU crop code 0500030 and the scientific name *Zea mays*. In Egypt, MRLs from Codex Alimentarius apply, which laid down MRLs for 116 pesticide residues (FAO 2019). In 30 cases, the CODEX MRL was higher than the EU MRL. In Ukraine, MRLs were laid down for 219 pesticide residues. From these 153 MRLs exceeded EU MRLs (Ukraine 2001). Russia described MRLs for 251 pesticide residues, of which 171 MRLs were higher than the EU equivalent (Federal service for supervision in the field of consumer rights protection and human well-being 2013). Brazil described 136 MRLs (Gerência-Geral de Regulamentação e Boas Práticas Regulatórias – GGREG 2020, Gerência de Processos Regulatórios – GPROR; Gerência-Geral de Regulamentação e Boas Práticas Regulatórias – GGREG; Terceira Diretoria 2021) and USA 198 (United States Department of Agriculture 2021), amongst these were 71 and 98 above the EU MRLs, respectively. An overview of these exceedances in MRL values is provided in Table A2 in Annex 2.

3.2.3 Barley

Almost 2,200,000 tonne of barley was imported into The Netherlands, of which less than 0.4% from outside the EU. Non-EU import countries of barley were Ukraine (69.0%), Russia (19.7%), Argentina (5.3%) and Australia (4.5%). The index commodity representing barley was "Barley" with the EU crop code 0500010 and the scientific name *Hordeum vulgare*. Table A3 in Annex 3 gives an overview of the active ingredients for which the MRL in a non-EU import country was higher than the EU MRL. For barley 152 pesticide residues had a higher MRL in the relevant non-EU import countries than in the EU. Remarkably, almost all the pesticide residues in Table A3 were also due to the exceedance of the EU MRLs by Australian MRLs. For 145 pesticide residues, the Australian MRL is higher than the EU MRL (Australian Government 2003, Australian Government 2003). In Russia, MRLs were described for 213 pesticide

residues (Federal service for supervision in the field of consumer rights protection and human well-being 2013). From these, 113 MRLs were higher than the EU MRLs. Ukraine applied MRLs for 185 pesticide residues, of which 88 exceeded the EU MRLs (Ukraine 2001). MRLs in Argentina are laid down for 60 pesticide residues and amongst these 22 are higher than the EU MRL (Ministerio de Justicia y Derechos Humanos Argentina 2010, Ministerio de Justicia y Derechos Humanos Argentina ND).

3.2.4 Oats

Oat is another grain that is used as feed in The Netherlands, of which approximately 118,000 tonne was imported. Only about 0.4% from the oat import was from outside the EU. Non-EU countries of origin were Moldova (62.2%) and Ukraine (33.7%).

The index commodity representing oats was "Oat" with the EU crop code 0500050 and the scientific name *Avena sativa*. National legislation was described for pesticide residues in Ukraine, but not for Moldova. In this country the MRLs as laid down in Codex Alimentarius apply (FAO 2019). Table A4 in Annex 4 shows that a number of MRLs applicable in Moldova (Codex) and Ukraine on oats exceed those applied in the EU. Codex described MRLs for 85 pesticide residues, whereas Ukraine described these for 179 pesticide residues (Ukraine 2001). From these, 87 of the Ukraine MRLs and 37 of the Codex MRLs exceeded the EU MRLs.

3.2.5 Triticale

The import of triticale into The Netherlands counted for 92,000 tonne. Triticale imported from outside the EU is small (250 tonne), less than 0.27% from the total import of triticale in The Netherlands. Almost all (94.3%) of the non-EU import originated from Ukraine and a small portion (5.7%) from Chile. The index commodity representing triticale was "Triticale" with EU crop code 0500090-006 and the scientific name *Tritcosecale*. All pesticide residues, for which the MRLs in Ukraine and Chile exceeded the EU MRLs, are listed in Table A5 in Annex 5. Ukraine described MRLs for 179 pesticide residues, of which 87 exceeded the MRLs applicable in the EU (Ukraine 2001). In Chile, MRLs were described for only 20 pesticide residues in triticale. From these, 16 exceeded the EU MRLs (Ministerio de Salud 2011).

3.2.6 Soya

From the group soya bean, soya expeller/extracted is used the most in feed and is imported with a total quantity of almost 6,200,000 tonne. Soya expeller/extracted originated for one half from outside the EU and the other half from inside the EU. In the latter case, the extracted soya was largely produced in the Netherlands from imported soya beans. Important non-EU import countries for soya expeller/extracted were Brazil (71.4%) and Argentina (20.9%). China, Paraguay, Uruguay and Russia contributed smaller portions to the total import coming from outside the EU with 2.6%, 2.4%, 1.1% and 0.8%, respectively. Soya hulls are also relevant feed materials and originated slightly more from outside the EU (55.6%), with Argentina as main exporter to The Netherlands (98.7%). Almost all soya bean oil (99.0%) was from EU origin, mainly produced in The Netherlands, with 1% imported from outside the EU, of which 84.4% originated from Argentina and 15.6% from Paraguay. From the soya bean group, soya bean itself was used to a lesser extent for feed in The Netherlands (approximately 57,000 tonne) and this commodity was for 97.7% imported from outside the EU. Relevant import countries for this import are USA, Brazil, Uruguay and Canada, accounting for 50.0%, 32.5%, 7.0% and 6.1% of the non-EU import, respectively. Because of the small contribution (0.8% of soya expeller/extracted) to the non-EU import, Russia was not considered a relevant import country and therefore out-of-scope for this research. CODEX, as used in Uruguay applied 100 MRLs on soya bean (FAO 2019), USA 168 (United States Department of Agriculture 2021), Brazil 171 (Gerência-Geral de Regulamentação e Boas Práticas Regulatórias – GGREG 2020, Gerência de Processos Regulatórios – GPROR; Gerência-Geral de Regulamentação e Boas Práticas Regulatórias – GGREG; Terceira Diretoria 2021), Argentina 128 (Ministerio de Justicia y Derechos Humanos Argentina 2010, Ministerio de Justicia y Derechos Humanos Argentina ND), Canada 105 (Health Canada 2012). The index commodity representing soya expeller/extracted, soya hulls, soya bean oil and soya bean is "Soya bean" with EU crop code 0401070 and the scientific name *Glycine max*. For the index commodity soya

bean, a total of 186 pesticide residues were found for which the MRLs defined in the import countries were exceeding the EU MRLs. From these, 58 MRLs from Argentina (Ministerio de Justicia y Derechos Humanos Argentina 2010, Ministerio de Justicia y Derechos Humanos Argentina ND), 82 from Brazil (Gerência-Geral de Regulamentação e Boas Práticas Regulatórias – GGREG 2020, Gerência de Processos Regulatórios – GPROR; Gerência-Geral de Regulamentação e Boas Práticas Regulatórias – GGREG; Terceira Diretoria 2021), 53 from Canada (Health Canada 2012), 30 from CODEX (FAO 2019) and 97 from USA (United States Department of Agriculture 2021) were higher than the EU MRLs. In Canada, a default MRL is laid down in legislation with a value of 0.1 mg/kg (Health Canada 2012). An overview with the exceedances (without regards to the default MRLs) is presented in Table A6 in Annex 6. Remarkably, the Codex has described an MRL of 0.2 mg/kg for the residue of piperonyl-butoxide. This is not regarded as a pesticide in the EU, therefore not subject to Regulation (EC) No. 396/2005, and thus there is no MRL applicable (European Parliament and Council 2005).

3.2.7 Rapeseed

A large amount of rapeseed expeller/extracted, 1,305,000 tonne was imported, mainly for use in compound feed in The Netherlands. The import from outside the EU of 130 tonne was negligible. Non-EU rapeseed expeller/extracted was only imported from China (99.9%). Approximately 1,044,000 tonne of rapeseed was imported into The Netherlands. Over half of this import was from non-EU countries, primarily from Ukraine and Australia with 67.5% and 26.8% of non-EU import, respectively. Other non-EU countries of origin included Argentina (2.8%), Canada (0.8%), Uruguay (0.8%), Paraguay (0.4%), Kazakhstan (0.3%) and Moldavia (0.3%). These were not considered any further.

The index commodity representing rapeseed and rapeseed expeller/extracted is "Rapeseed/canola seeds" with the EU crop code 0401060 and the scientific name *Brassica napus subsp. napus*. Australia described 199 MRLs for pesticide residues in rapeseed. From these, 86 MRLs exceeded the EU MRL. Besides, Australia applies a zero-tolerance policy with regards to pesticide residues for which no MRL is laid down, meaning that no residue shall be detected when there is no MRL in place (Australian Government 2003, Australian Government 2003). In total, China laid down 83 MRLs, of which 39 MRLs were higher than EU MRLs (FAS-Beijing Staff 2019). Ukraine described in total 96 MRLs, of which 40 were higher than the EU MRLs (Ukraine 2001). In Annex 7, Table A7, the exceedances in MRLs are shown for the countries Australia, China and Ukraine.

3.2.8 Palm kernel

Palm kernel expeller/extracted was imported into The Netherlands with a quantity of almost 1,383,000 tonne. The majority of this import was from Indonesia (91.0%) and the remaining from Malaysia (9.0%). The index commodity representing palm kernel expeller/extracted was "Oil palm kernels" with the EU crop code 0402020 and the scientific name *Elaeis guineesis*. No MRLs applied in Indonesia (Indonesia 2016) and Malaysia (Malaysia 2020) for residual pesticides on palm kernel nor other restrictions are described in legislation applicable in both countries.

3.2.9 Sunflower seed

A small amount of intact sunflower seeds was used in compound feed in The Netherlands, but far more was used as expeller/extracted sunflower seed. From the latter, 936,000 tonne was imported, of which 55.6% from outside the EU. Relevant non-EU countries of origin were Ukraine (53.1%) and Argentina (45.2%), both accounting for more than half of the total non-EU import. A large volume of expeller/extracted sunflower seed was produced in the Netherlands using imported sunflower seed. Approximately 707,000 tonne of sunflower seeds was imported, of which only 8.9% originated from outside the EU. From the non-EU import, 25.2% was from Moldova, 24.0% from Russia, 17.3% from Ukraine, 13.1% from Argentina, 12.5% from Turkey and 4.6% from Kazakhstan.

The index commodity representing sunflower seed and sunflower seed expeller/extracted was "Sunflower seeds" with the EU crop code 0401050 and the scientific name *Helianthus annuus*. For 171 pesticide residues, the MRLs described in the non-EU import countries exceeded the EU

equivalents. Amongst these, 67 of the 120 MRLs in Russia were higher than the EU MRLs (Federal service for supervision in the field of consumer rights protection and human well-being 2013), 73 of the 127 MRLs in Ukraine (Ukraine 2001), 43 out of 71 MRLs in Argentina (Ministerio de Justicia y Derechos Humanos Argentina 2010, Ministerio de Justicia y Derechos Humanos Argentina ND) and 62 out of 1078 MRLs in Turkey (Ministry of Agriculture and Forestry ND). Codex MRLs apply in Moldova and 17 out of 54 Codex MRLs exceeded the EU MRL (FAO 2019). In Kazakhstan, Eurasian Economic Union MRLs apply and 54 out of the 92 MRLs were higher than those in the EU. Table A8 in Annex 8 presents an overview of these MRLs. Ukraine has also set an MRL for the residue piperonyl-butoxide of 4 mg/kg, which is applicable on sunflower seed. As described earlier in this chapter, there is no EU MRL applicable for this residue.

3.2.10 Lupins

Almost all lupins imported into the Netherlands came from outside the EU (99.4%), which counts for 153,000 tonne. Non-EU lupin import is largely from Australia with 98.2% and Ukraine with 1.6% of the total non-EU import. Ukraine is not considered a relevant non-EU import country because of the low (<3%) contribution to the import. The index commodity representing lupins is "Lupins/lupini beans" with the EU crop code 0300040 and the scientific name *Lupinus mutabilis*. Australia applied 226 MRLs for this crop, 136 from these were higher than the EU MRLs. For which no MRL is laid down in Australian law, no residue of the respective pesticide shall be detected (Australian Government 2003, Australian Government 2003). The exceeding MRLs from Australia are listed in Table A9 in Annex 9. In Australia, there is an MRL for the residue of piperonyl-butoxide of 8 mg/kg on lupins. No EU MRL is applicable for this residue as mentioned earlier in this chapter.

3.2.11 Linseed

Approximately 15.4% of the total import of linseed into The Netherlands of 62,000 tonne was from outside the EU. From this import, over one third (38.4%) was from Kazakhstan. Other countries of origins were India (16.2%), Russia (11.7%), Turkey (10.9%), China (7.6%), USA (7.2%) and Canada (4.5%). Small quantities (<3% of total non-EU import) of linseed were imported from Argentina, Australia, Moldova, Thailand and Ukraine. These countries were not considered as relevant for the purpose of this research. The index commodity representing linseed was "Linseeds" with the EU crop code 0401010 and the scientific name *Linum usitatissimum*. Amongst all the MRLs applicable in the relevant non-EU import countries, MRLs for 148 pesticide residues were higher than the EU MRLs. Most of the MRLs exceeding the EU MRLs were from USA, with 68 MRLs (United States Department of Agriculture 2021). This was followed by Turkey with 63 exceeding MRLs (Ministry of Agriculture and Forestry ND), 51 from Canada (Health Canada 2012), 11 from Russia (Federal service for supervision in the field of consumer rights protection and human well-being 2013), 10 Eurasian Economic Union MRLs applicable in Kazakhstan (FAO 2019) and 3 for China (FAS-Beijing Staff 2019). In India, no MRLs were prescribed for pesticide residues on linseed. However, Indian law describes that a tolerance limit of 0.01 mg/kg applies in cases of pesticides for which an MRL has not been fixed (Food Safety and Standards Authority of India 2019). In Canadian law, the default MRL is set on 0.1 mg/kg (Health Canada 2012). The overview of the exceeding MRLs from these countries can be found in Annex 10, Table A10.

3.2.12 Sugar beet

Both the molasses and the dried pulp from sugar beets are used in feed in The Netherlands. Only 2.8% of the total national production and import of almost 363,000 tonne sugar beet molasses was from outside the EU. The majority thereof originated from Egypt (98.7%). Because no MRLs are laid down for processed products from sugar beets in the EU, the raw commodity sugar beet was used in this study. The index commodity representing sugar beet molasses is "Sugar beet roots" with the EU crop code 0900010 and the scientific name *Beta vulgaris ssp. vulgaris var. altissima*. In Egypt, the MRLs described in Codex Alimentarius apply. There are MRLs laid down for 102 pesticide residues on sugar beet in Codex Alimentarius, of which 46 are higher than the EU counterparts. Contrary to EU legislation, Codex Alimentarius has described MRLs specifically for dried beet pulp and molasses, for 5 and 6 pesticide residues, respectively. For 4 and 5 of these pesticide residues, respectively, the

MRLs of Codex Alimentarius are higher than EU MRLs (FAO 2019). Dried sugar beet pulp is a relevant commodity used in (compound) feed in The Netherlands, with a national production and import of 751,000 tonne. From this volume, only 1.3% was from non-EU origin. Almost half (49.3%) of the non-EU import comes from USA and the other half (48.9%) from Russia. Russia has described MRLs for 159 pesticide residues on beetroot (Federal service for supervision in the field of consumer rights protection and human well-being 2013) and USA 224 (United States Department of Agriculture 2021). From these, 84 MRLs from USA and 93 from Russia are higher than the EU MRLs. Besides the exceedances, USA has described for 57 pesticide residues that no MRL is required, while EU has set specific MRLs. Further, USA has also laid down MRLs specifically for the pulp and molasses of sugar beet. Out of the 33 MRLs laid down for pulp in USA, 29 are higher than the EU MRLs for sugar beet. For the MRLs for molasses, 29 of the 35 MRLs are higher than the EU MRLs for sugar beet (United States Department of Agriculture 2021). The pesticide residues, where exceedances of EU MRLs appear, are listed in Table A11 in Annex 11.

3.2.13 Sugar cane

Similar to sugar beet, also molasses from sugar cane is one of the relevant feed materials used in The Netherlands. It was imported in a quantity of 139,000 tonne, with a non-EU import contributing 88.7%. Sugar cane molasses was imported for over one third (34.8%) from India, whereas USA, Nicaragua, Pakistan, Guatemala, Mauritius and Thailand contributed 23.6%, 12.0%, 8.9%, 6.0%, 5.6% and 4.7% to the non-EU import, respectively. In addition, 1.4% of non-EU import was from Paraguay, but this was out-of-scope for this research because of the low volume. The EU pesticide database does not provide specific MRLs for pesticides in sugar cane molasses. Therefore, the raw product commodity sugar cane was used as index commodity to extract the EU MRLs with the EU crop code 0900020 and the scientific name *Saccharum officinarum*. Codex, used in Guatemala, Nicaragua, Mauritius and Pakistan has MRLs described for 32 pesticide residues. USA laid down MRLs for 103 pesticide residues, India for 20 and Thailand for 37. Notably, Thailand has also listed numerous pesticide residues for which no residues (zero-tolerance) shall be detected. From the MRLs described for the pesticide residues, 15 in India (Food Safety and Standards Authority of India 2019), 6 from Codex (FAO 2019), 17 in Thailand (National Bureau of Agricultural Commodity and Food Standards Thailand 2016) and 78 in USA (United States Department of Agriculture 2021) exceeded the EU MRL. Furthermore, it is laid down in Indian law that a tolerance limit of 0.01 mg/kg applies where no MRL has been set. Some relevant non-EU import countries apply specific MRL on processed materials, including sugar cane molasses. Codex has 2 MRLs for sugar cane molasses, both exceeding the EU MRL for sugar cane (FAO 2019). Also USA has described MRLs for sugar cane molasses, all 27 MRLs are higher than the EU MRLs for sugar cane. These MRLs are listed in Table A12 in Annex 12.

3.2.14 Citrus fruit

Citrus pulp is a relevant feed commodity in The Netherlands. The total import was 132,000 tonne, of which 95.6% was from non-EU origin. Brazil and USA contributed 72.7% and 24.9% of the non-EU import of citrus pulp. The index commodity representing citrus pulp was "Citrus fruits" with the EU crop code 0110000 and the scientific name *Citrus spp*. For this crop, Brazil has described MRLs for 116 pesticide residues. From these, 67 were higher than the EU MRLs (Gerência-Geral de Regulamentação e Boas Práticas Regulatórias – GGREG 2020, Gerência de Processos Regulatórios – GPROR; Gerência-Geral de Regulamentação e Boas Práticas Regulatórias – GGREG; Terceira Diretoria 2021). USA has laid down MRLs for 121 pesticide residues on citrus, of which 79 exceed the MRLs in the EU. In addition, USA has described for 46 pesticides residues that no MRL is required, for which nonetheless EU MRLs are established (United States Department of Agriculture 2021). These exceeding MRLs and the pesticide residues, for which an MRL was not found necessary in USA and for which an EU MRL was established, are given in Table A13 in Annex 13.

3.2.15 Peas

Peas are imported into The Netherlands with a total of 63,000 tonne. Approximately 21% of this total was from outside the EU. Non-EU import of peas was from Russia (47.0%), Ukraine (19.5%), Turkey (9.1%), Moldova (6.9%), Australia (5.5%), Canada (5.0%) and USA (3.7%). Smaller portions (<3%

of non-EU import) were imported from Kazakhstan, China, Argentina, Chile and Egypt. These were not considered for further study. The index commodity representing peas was "Peas" with the EU crop code 0300030 and the scientific name *Pisum sativum*. Turkey has laid down the largest number of MRLs for pesticide residues on peas, 1059 to be specific. Amongst these, MRLs for 70 pesticide residues are higher than EU MRLs (Ministry of Agriculture and Forestry ND). USA has laid down MRLs for 127 pesticide residues on peas, of which 85 exceed EU MRLs. Notably, there is a great discrepancy between the MRLs for ethylene oxide. In USA, the residual level thereof may be up to 7 mg/kg, while this is 0.02 mg/kg. Ethylene oxide can be used as fumigant in USA. USA also described for 55 pesticide residues for which an MRL is considered not necessary (United States Department of Agriculture 2021). In Canada, 19 out of 28 MRLs are higher than the EU MRLs (Health Canada 2012). Only 3 out of 24 MRLs applicable in Russia are higher than EU MRLs (Federal service for supervision in the field of consumer rights protection and human well-being 2013). Ukraine has described MRLs for 91 pesticide residues, of which 50 exceed the EU MRLs (Ukraine 2001). From the Codex MRLs for 63 pesticide residues, which are applicable in Moldova, 18 are higher than EU MRLs (FAO 2019). Both USA and Canada apply an MRL of 8 mg/kg on peas for the residue piperonyl-butoxide (Health Canada 2012, United States Department of Agriculture 2021). Codex applies an MRL of 0.2 mg/kg for this residue (FAO 2019). However, as mentioned earlier, there is no MRL applicable for this residue in the EU. Moreover, a default MRL in Canada is fixed at 0.1 mg/kg (Health Canada 2012), while this is 0.01 mg/kg for the default MRL in the EU and even 0.0 mg/kg in Australia (Australian Government 2003). An overview of the exceeding MRLs from Russia, Ukraine, Turkey, Codex (Moldova), Australia, Canada and USA is presented in Table A14 of Annex 14.

4 Discussion

This chapter provides some general remarks and comments which have to be considered for the interpretation of the results. In addition, it addresses assumptions and compromises made in this study in order to deal with uncertainties as well as to be able to work with the available data.

4.1 Selected feed materials and country of origin

The country of origin of feed materials was based on import data from EUROSTAT and national production based on CBS and MVO. These data were averaged over the years 2015-2019, in order to obtain relevant figures over a longer period. All the materials with an average annual usage of 50,000 tonne or higher in The Netherlands in the period 2015-2019 were considered relevant feed materials. When a country outside the EU contributed 3% or more to the non-EU import of the respective feed commodity into The Netherlands, it was considered relevant for the purpose of this study. Obviously, for certain feed materials with a large volume of usage, less than 3% of non-EU import can still be a substantial volume. It may be considered to address MRLs in these countries in a follow-up study. To facilitate this, for each product the countries of origin with a relevant import below 3% that were not further studied, were included in the results section. Likewise, it can be considered to extend this study to feed materials with an annual usage below 50,000 tonne.

No distinction was made between production in the Netherlands and import from EU countries since the same MRLs apply in all EU countries. Nonetheless the true country of origin of feed materials may not always be the same as the indicated country of origin derived from EUROSTAT. For unprocessed feed materials (e.g. wheat, maize) it can be assumed that they are cultivated and harvested in the same country as they are imported from. Nonetheless, these materials may be imported via another EU country. Moreover, agricultural materials may be harvested in one country and processed into a feed material (e.g. soybean expeller, molasses, vinasse) in another (neighbouring) country from which it is exported to the Netherlands. For example, a high proportion of extracted soya bean meal and soybean oil was produced in the Netherlands using imported soya beans. Thus, the country of origin of the feed materials, as indicated in the EUROSTAT data, is not necessarily the same as the country where the crop was cultivated, and the adopted use of pesticides and MRLs in the present study may not be correct. Therefore, it cannot be excluded that relevant pesticide-crop combinations from specific countries were missed in this study.

Another challenge in this research was to make sure that the same commodity was used for the comparison between MRLs in different countries, and not “between apples and oranges”. This was hampered by the use of different terms in the databases used in this study. An example hereof is the feed commodity “peas”, which is a commodity with different categories in different databases. In order to anticipate on this, it is key that comparable characteristics are sought and checked between databases. In this example, it is was helpful to base the comparison as much as possible on the scientific names.

4.2 Comparison of MRLs

Availability of data (applicable MRLs) may differ per country. In the early phases of this study, it was noticed that not all countries apply MRLs specifically for the processed commodity. More important, the EU has no specified MRLs for the processed materials, but solely for the raw materials. For this reason, it was decided to use the MRLs for the raw materials to be able to compare the MRLs in relevant non-EU import countries against EU MRLs. Nonetheless, some relevant import countries have described specific MRLs for derivative materials that may be higher because of the use of processing factors.

Thus, for these imported feed materials residue levels may be higher than indicated by the MRLs for the raw commodity. Therefore, when applicable the (higher) MRLs for the processed materials have been additionally used to judge whether the MRLs in the country of origin exceeded the EU MRLs.

The number of applicable MRLs can vary between countries. Whereas the EU has described MRLs for 511 pesticide residues, only 20 MRLs apply in Chile (for the example of triticale). Furthermore, some countries have no MRLs for certain materials, as noticed in the example of palm kernel from Indonesia and Malaysia. Whereas the EU applies a default MRL for pesticide residues, which do not have a specific MRL, Indonesia and Malaysia do not apply such a default MRL. Additionally, the reasons and implications of the absence of MRLs were not always clear. It may indicate that a specific pesticide crop combination is not allowed in that country, implicating that only illegal use could result in residues. Alternatively, it may indicate that an MRL was not considered necessary, as specifically indicated for a number of residues by USA. In this case, exceedance of EU MRLs would be more likely.

Further, the homogeneity of data may differ per jurisdiction. For a number of pesticides, the residue definition in non-EU countries differed from the one used in the EU. Apart for certain specific pesticides, this was more generally observed for esters and salts, and for (optical) isomers. EU-MRLs tend to have a residue definition that includes multiple esters and salts of a certain pesticide (e.g. 2,4-D), while in some non-EU countries MRLs have been set at an individual ester- or salt- derivative level. Since it is unlikely that multiple esters/salts of the same pesticide are applied in a field, the highest non-EU MRL from the ester/salt derivatives was used for comparison with the EU-MRL. For isomers the situation is more complex. In the EU, in most cases, MRLs are set for the sum of isomers, while outside the EU different MRLs may apply for the individual isomers. For optical isomers (often indicated with -P, or S-, e.g. dimethenamid-P, S-metolachlor), the highest non-EU MRL was used for comparison with the EU MRL. For other isomers, the amount of the MRL should be accumulated.

4.3 Risk based monitoring approach

Because of the large number of pesticides, feed materials and countries of origin, this study used a risk based approach, considering the most important feed materials used in the Netherlands, most relevant countries of origin and the legal MRLs. Based on this approach, a large number of pesticide residues were identified for which the MRLs in one or more of the selected countries of origin exceeded the EU MRL. These residues may be present in levels that are considered acceptable in the country of origin and yet exceed the EU MRL. Therefore it is proposed that these pesticides deserve priority in the monitoring of competent authorities and the feed industry. Thus, prioritised residues not included in the monitoring programme National Plan Animal Feed should be considered for inclusion.

The present study was not based on actual monitoring results, but solely on the residues that potentially can be expected in feed materials based on national MRLs that exceed EU MRLs. Whether these feed materials from specific countries actually contain higher residues when imported into the EU, has to be examined via monitoring. Many pesticide-crop combinations were not classified to be of priority in this study because of lower or equal MRLs in the third countries. However, compliance with the national limits in the third countries cannot be assured and therefore, also the combinations assessed as no priority in this study should be monitored on a regular basis. Nonetheless, when it is decided to expand and consequently apply multi residue methods to monitor residues as proposed in this study, also part of the non-classified combinations will be monitored by future MRM methods. Furthermore, this study does not consider that pesticides in third countries may be illegally used on crops for which the pesticide is not authorised. Thus, for instance pesticides considered in this study which do not have an MRL in a third country because they are not permitted, may be actually found in a feed material imported from that country due to illegal use in the field or due to cross-contamination during processing or storage. In conclusion, this study identified a large number of pesticides and their residues which can be reasonably expected to be found in feed materials based on what is legally permitted. Illegal use in of pesticides, resulting in exceeding of MRLs (in third countries and EU) is not covered by this study. Use of non-approved pesticides cannot be anticipated in terms of the pesticide used and the crop it is applied on. Thus, also a randomized monitoring of all pesticides which are known to be used and expected to be (illegally) used should be part of the National Plan Animal Feed.

5 Conclusions

Conclusions

1. A risk-based approach for MRL exceedance of pesticides in animal feed materials imported from outside the EU has been developed, based on i) usage-volume in compound feed in the Netherlands, ii) relative contribution of import from non-EU countries, iii) discrepancies in local and EU MRLs the EU.
2. Over 600 'feed material - pesticide - country of origin' combinations have been identified to receive priority in monitoring (see Annex 15). For these combinations the MRL for the pesticide/crop combination in the country of origin was higher than the EU MRL.
3. The results provide guidance on which may be expected in feed materials from specific non-EU countries and can be used to strengthen the risk-based monitoring of pesticides in feed materials in the National Plan Animal Feed and the monitoring by feed businesses involved in the import and use of feed materials.

Recommendations

- It is recommended to compare the list of residues presently included in the National Plan Animal Feed with the pesticides with a higher MRL in one or more of the selected countries of origin as included in Annex 15, and consider future inclusion of missing residues in the National Plan.
- It is recommended to repeat this study for the addressed and potentially new pesticides after three to five years. This study focused on the years 2015 – 2019 for the relevant feed materials and non-EU import countries. The use of feed materials, the countries of origin, the permitted and used pesticides and the legal limits are likely to change over time.
- The approach and steps taken in this project allow that it can be extended at any time. The approach can also be applied to:
  - Feed materials with a usage-volume below 50,000 tonne in compound feed in the Netherlands.
  - Countries of origin that contribute substantially in volume, although less than 3%, to the import of feed materials.
- In addition to the risk-based approach described in this study, it is recommended to continue randomised monitoring to account for unforeseen and illegal use of pesticides. For this point, a more direct contact with other National Safety Authorities from the relevant non-EU import countries could be beneficial.

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Annex 1 Pesticide MRLs for wheat

Table A1 *List of active pesticide ingredients and related MRLs (mg/kg) for wheat in relevant non-EU import countries, for which MRLs exceed the EU MRL (mg/kg).*

Pesticide residues	CAS number	EU MRLs	Russia	Ukraine	Malaysia	Turkey	USA	USA shorts
1-METHYLCYCLOPROPENE	07-04-00	0.01					NO MRL REQUIRED	
2-OXY-2.5-DIHYDROFURANE	497-23-4	0.01	0.2					
ACEPHATE	30560-19-1	0.01					0.02	
ACETAMIPRID	135410-20-7	0.1	0.5					
ACETOCHLOR	34256-82-1	0.01					0.05	
ACIBENZOLAR-S-METHYL	135158-54-2	0.05	0.1					
ACLONIFEN	74070-46-5	0.01				0.05		
ACRINATHRIN	101007-06-1	0.01				0.05		
AL-PHOSPHIDE	20859-73-8	0.05		0.1		0.1		0.1
ALACHLOR	15972-60-8	0.01					0.05	
ALDRIN	309-00-2	0.01	0.02					
ALPHA-PINENE	80-56-8	0.01					NO MRL REQUIRED	
ALUMINIUM-PHOSPHITE	24704-64-1	0.05		0.3				
ALUMINIUM-SULFATE	10043-01-3	0.01					NO MRL REQUIRED	
AMICARBAZONE	129909-90-6	0.01						0.15
AMIDOSULFURON	120923-37-7	0.01	0.1	0.1				
ATRAZINE	1912-24-9	0.05		0.1				
AZADIRACHTIN	11141-17-6	1.0					NO MRL REQUIRED	
BENOMYL	17804-35-2	0.1	0.5					
BENSULTAP	17606-31-4	0.01	0.05					
BENZOVINDIFLUPYR	1072957-71-1	0.1	0.5					
BENZOYLPROP-ETHYL	22212-55-1	0.01		0.1				
BENZYLADENINE	1214-39-7	0				0.01		
BETA-CYFLUTHRIN	1820573-27-0	0.04	0.1	0.05			0.15	0.5
BIORESMETHRIN	28434-01-7	0.01	1.0					
BITERTANOL	55179-31-2	0.01	0.05			0.05		
BIXAFEN	581809-46-3	0.05	0.5	0.1			0.40	
BORIC-ACID	10043-35-3	0.01					NO MRL REQUIRED	
BUPROFEZIN	69327-76-0	0.01				0.05		
CALCIUM-OXIDE	1305-78-8	0.01					NO MRL REQUIRED	
CALCIUM-PHOSPHIDE	1305-99-3	0.01				0.1		0.1
CARBENDAZIM	10605-21-7	0.1	0.5	0.2				
CARBETAMIDE	16118-49-3	0.01				0.05		
CARBON-DISULPHIDE	75-15-0	0.01		1		1		
CARBOXIN	5234-68-4	0.03	0.2	0.1				
CARFENTRAZONE-ETHYL	128639-02-1	0.05		0.2			0.10	
CHLORANTRANILIPROLE/RYNAXYPYR	500008-45-7	0.02					6.0	
CHLORBROMURON	13360-45-7	0.01	0.1	0.1				
CHLORDANE	57-74-9	0.01	0.02					
CHLORFENPROP-METHYL	14437-17-3	0.01				0.01		
CHLORIMURON-ETHYL	90982-32-4	0.01				0.01		
CHLORINE	7782-50-5	0.01	0.1	0.1				
CHLOROPICRIN	76-06-2	0.005		0.1				
CHLORPYRIFOS	2921-88-2	0.01	0.5	0.1		0.05	0.1	
CHLORPYRIFOS-METHYL	5598-13-0	0.01				3		30
CHLORSULFOXIM	161383-70-6	0.01	0.005					
CHOLINE-CHLORIDE	67-48-1	0.01					NO MRL REQUIRED	
CINIDON-ETHYL	142891-20-1	0.05		0.1		0.1		
CINNAMALDEHYDE	104-55-2	0.01					NO MRL REQUIRED	

Pesticide residues	CAS number	EU MRLs	Russia	Ukraine	Malaysia	Turkey	USA	USA shorts
CITRAL	5392-40-5	0.01					NO MRL REQUIRED	
CLODINAFOP-P	105512-06-9	0.02	0.05	0.05				
CLOPYRALID	1702-17-6	2						12
CLOQUINTOCET-MEXYL	99607-70-2	0.01	0.1					
CLOTHIANIDIN	210880-92-5	0.02	0.2					
CODLEMONE	33956-49-9	0.01					NO MRL REQUIRED	
COPPER-HYDROXIDE	20427-59-2	10.0					NO MRL REQUIRED	
COPPER-OXIDE	1317-39-1	10.0					NO MRL REQUIRED	
COPPER-OXYCHLORIDE	1332-40-7	10.0					NO MRL REQUIRED	
COPPER-SULFATE-BASIC	1344-73-6	10.0					NO MRL REQUIRED	
CRYOLITE	15096-52-3	0.01					40	40
CYCLANILIPROLE	1031756-98-5	0.01					NO MRL REQUIRED	NO MRL REQUIRED
CYFLUFENAMID	180409-60-3	0.04		0.05		0.05		
CYFLUTHRIN	68359-37-5	0.04					0.15	0.5
CYHALOTHRIN	68085-85-8	0.01	0.5					
CYMOXANIL	57966-95-7	0.01		0.05		0.05		
DDT	50-29-3	0.05	0.1					
DELTAMETHRIN	52918-63-5	1.0	2.0			2		
DEMETON	8065-48-3	0.01	0.35					
DIAZINON	333-41-5	0.01	0.1	0.1				
DICHLORVOS	62-73-7	0.01	0.3	0.02				
DICLOBUTRAZOL	75736-33-3	0.01	0.1					
DIELDRIN	60-57-1	0.01	0.02					
DIFLUBENZURON	35367-38-5	0.01				0.1		
DIFLUFENICAN	83164-33-4	0.02	0.05					
DIMETHACHLOR	50563-36-5	0.01				0.02		
DIMETHOATE	60-51-5	0.05		0.1				
DINICONAZOLE	83657-24-3	0.01	0.05	0.05				
DIQUAT	2764-72-9	0.02		0.4				
DISODIUM-OCTABORATE-TETRAHYDRATE	12280-03-4	0.01					NO MRL REQUIRED	
DISPARLURE	29804-22-6	0.01					NO MRL REQUIRED	NO MRL REQUIRED
DISULFOTON	298-04-4	0.02	0.2					
DITALIMFOS	5131-24-8	0.01	0.1	0.1				
DIURON	330-54-1	0.01	0.02					
DODECYL-ALCOHOL	112-53-8	0.01					NO MRL REQUIRED	
E-8-DODECEN-1YL-AC.	38363-29-0	0.01					NO MRL REQUIRED	
E.Z-2.4-DECADIENOATE-ETHYL	3025-30-7	0.01					NO MRL REQUIRED	
ENDOTHALL-DI-SALT	66330-88-9	0.01					4	10
ENDOTHALL-DIPOTAS.-SALT	2164-07-0	0.01					4	10
ETEM	33813-20-6	0.01		0.3				
ETHANEDIOL	107-21-1	0				0.01		
ETHEPHON	16672-87-0	1						5
ETHIOFENCARB	29973-13-5	0.01	0.05	0.05				
ETHOXYSULFURON	126801-58-9	0.01				0.02		
ETHYL-HYDROXYMTHYL-FURYL-DIOXA	22698-73-3	0.01	0.1					
ETHYLENE-1.2-BISDITHIOCARBAMAT	34731-32-3	0		0.2				
ETHYLENE-THIOUREA	96-45-7	0	0.02	0.02				
ETHYLMERCURY-CHLORIDE	107-27-7	0	0.005					
ETOFENPROX	80844-07-1	0.01				0.5	5.0	5
ETRIMFOS	38260-54-7	0.01	0.2	0.2				
FAMOXADONE	131807-57-3	0.1	0.2					
FENAMIDONE	161326-34-7	0.01					0.1	
FENBUCONAZOLE	114369-43-6	0.1	0.2					
FENBUTATIN-OXIDE	13356-08-6	0.01				0.05		
FENITROTHION	122-14-5	0.05	6.0	1				

Pesticide residues	CAS number	EU MRLs	Russia	Ukraine	Malaysia	Turkey	USA	USA shorts
FENOXAPROP-P-ETHYL	71283-80-2	0.1		0.2				
FENOXYCARB	72490-01-8	0.01				0.05		
FENPROPIDIN	67306-00-7	0.1	0.25					
FENPROPIMORPH	67564-91-4	0.15	0.5	0.2		0.5		
FENPYROXIMATE	134098-61-6	0.01				0.05		
FENTHION	55-38-9	0.01	0.15	0.15				
FENVALERATE	51630-58-1	0.2	2.0					
FLAMPROP-ISOPROPYL	52756-22-6	0.01	0.1					
FLAMPROP-M-ISOPROPYL	63782-90-1	0.01		0.1				
FLAMPROP-M-METHYL	63729-98-6	0.01	0.06					
FLORASULAM	145701-23-1	0.01	0.05					
FLORPYRAUXIFEN-BENZYL/RINSKOR	1390661-72-9	0.01					NO MRL REQUIRED	NO MRL REQUIRED
FLUAZINAM	79622-59-6	0.02				0.05		
FLUCARBAZONE-NA	181274-17-9	0.01	0.2	0.2				
FLUDIOXONIL	131341-86-1	0.01	0.05	0.02			0.02	
FLUENSULFONE	318290-98-1	0.01					0.05	
FLUMETSULAM	98967-40-9	0.01	1.0	0.05				
FLUOMETURON	2164-17-2	0.01	0.5				0.5	
FLUOPYRAM	658066-35-4	0.9					4	
FLUORINE-CPDS	AI GROUP	2					40	40
FLUOXASTROBIN	361377-29-9	0.03	0.5	0.05				
FLUPYRADIFURONE	951659-40-8	0.01					3	
FLUQUINCONAZOLE	136426-54-5	0.01				0.1		
FLURIDONE	59756-60-4	0.01					0.1	
FLUROCHLORIDONE	61213-25-0	0.01				0.1		
FLURTAMONE	96525-23-4	0.01	0.02					
FLUSILAZOLE	85509-19-9	0.01	0.2					
FLUTIANIL	958647-10-4	0.01					NO MRL REQUIRED	
FLUXAPYROXAD	907204-31-3	0.4	0.5				3	
FORMIC-ACID	64-18-6	0.01					NO MRL REQUIRED	NO MRL REQUIRED
FURATHIOCARB	65907-30-4	0.01	0.02					
GAMMA-AMINOBUTYRIC-ACID	56-12-2	0.01					NO MRL REQUIRED	
GLUFOSINATE-AMMONIUM	77182-82-2	0.03	0.4	0.1			0.40	
GLYPHOSATE	1071-83-6	10.0	20.0				30	
GLYPHOSATE-AMMONIUM	114370-14-8	10					30	
GLYPHOSATE-DIMETHYLAMMONIUM-SALT	34494-04-7	10					30	
GLYPHOSATE-ETHANOLAMINE-SALT	40465-76-7	10					30	
GLYPHOSATE-ISOPROPYL-AMINE	38641-94-0	10					30	
GLYPHOSATE-POTASSIUM-SALT	70901-12-1	10					30	
HEPTACHLOR	76-44-8	0.01	0.02					
HEPTENOPHOS	23560-59-0	0.01	0.1	0.1				
HEXAMETHYLENE-TETRAMINE	100-97-0	0.01					NO MRL REQUIRED	
HYDROPRENE	41096-46-2	0.01					0.2	
IMAZALIL	35554-44-0	0.01	0.1	0.05		0.05		
IMAZALIL-SULFATE	58594-72-2	0.01		0.05				
IMAZAMETHABENZ	100728-84-5	0.01	0.2					
IMAZAMETHABENZ-METHYL	81405-85-8	0.01		0.2				
IMAZAMOX	114311-32-9	0.05					NO MRL REQUIRED	
INDOL-3-YLACETIC-ACID	87-51-4	0.1					NO MRL REQUIRED	
INDOL-3-YLBUTYRIC-ACID	133-32-4	0.1					NO MRL REQUIRED	
IODOSULFURON-METHYL	144550-06-1	0.01		0.1				
IODOSULFURON-M-NA	144550-36-7	0.01	0.1	0.1				
IOXYNIL	1689-83-4	0.01				0.05		
IOXYNIL-SODIUM-SALT	2961-62-8	0.01				0.05		
IPCONAZOLE	125225-28-7	0.01	0.02	0.05				

Pesticide residues	CAS number	EU MRLs	Russia	Ukraine	Malaysia	Turkey	USA	USA shorts
IPRODIONE	36734-19-7	0.01				0.02		
IRON-EDTA	15708-41-5	0.01					NO MRL REQUIRED	
ISOBUTYRIC-ACID	79-31-2	0.01					NO MRL REQUIRED	
ISOPROTURON	34123-59-6	0.01				0.05		
KRESOXIM-METHYL	143390-89-0	0.08	0.1					
L-GLUTAMIC-ACID	56-86-0	0.01					NO MRL REQUIRED	
LINURON	330-55-2	0.01				0.05		
LUFENURON	103055-07-8	0.01				0.02		
M. ANISOPLIAE F52	67892-13-1	0.01					NO MRL REQUIRED	
MAGNESIUM-PHOSPHIDE	12057-74-8	0.05		0.1		0.1		0.1
MANCOZEB	07-01-18	1						2
MANGANESE-CHLORIDE	05-01-73	0	0.08					
MCPP	93-65-2	0.05	0.25	0.25				
MCPP-DIMETHYLAMINE-SALT	32351-70-5	0.05		0.25				
MCPP-POTASSIUM-SALT	1929-86-8	0.05		0.25				
MEFENPYR-DIETHYL	135590-91-9	0	0.5					
MEFENTRIFLUCONAZOLE	1417782-03-6	0.05					4	
MESOSULFURON-METHYL	208465-21-8	0.01	0.5	0.04				
METALAXYL	57837-19-1	0.01	0.1	0.2		0.05	0.1	1
METALAXYL-METHYL	70630-17-0	0.01	0.1	0.2		0.05		
METALDEHYDE	108-62-3	0.05	0.7	0.1				
METCONAZOLE	125116-23-6	0.15	0.2	0.1				
METHOMYL	16752-77-5	0.01	2.0			0.02		
METHOPRENE	40596-69-8	5	10				NO MRL REQUIRED	
METOXURON	19937-59-8	0.01	0.1					
METRAFENONE	220899-03-6	0.07	0.5	0.2				
METRIBUZIN	21087-64-9	0.1		0.2				3
METSULFURON-METHYL	74223-64-6	0.01	0.05	0.04				
MONOCARBAMIDE-DIHYDROGEN-SULFA	21351-39-3	0.01					NO MRL REQUIRED	
MONOLINURON	1746-81-2	0.01	0.2					
MYCLOBUTANIL	88671-89-0	0.02		0.02			0.03	
MYRISTYL-ALCOHOL	112-72-1	0.01					NO MRL REQUIRED	
N-OCTYL-BICYCLOHEPTENE-DICARBOXIMIDE	113-48-4	0					5	
NALED	300-76-5	0.01					0.5	
NAPHTHALIC-ANHYDRIDE	81-84-5	0.01	0.02					
NITROGEN	7727-37-9	0.01					NO MRL REQUIRED	
OMETHOATE	1113-02-6	0.01				0.05		
ORTHO-PHENYL-PHENOL	90-43-7	0.02				0.05		
OXATHIAPIPROLIN/ZORVEC	1003318-67-9	0.01					0.10	
OXYCARBOXIN	5259-88-1	0.01	0.2					
PACLOBUTRAZOL	76738-62-0	0.01				0.02		
PARATHION-METHYL	298-00-0	0.02	0.1					
PENCONAZOLE	66246-88-6	0.01				0.05		
PENCYCURON	66063-05-6	0.05	0.1					
PENTHIOPYRAD	183675-82-3	0.1	0.2	0.2			0.15	
PERACETIC-ACID	79-21-0	0.01					NO MRL REQUIRED	
PERMETHRIN	52645-53-1	0.05	2.0					
PETROLEUM-OIL(GENERIC)	92062-35-6	0.01					NO MRL REQUIRED	
PHENTHOATE	07-03-97	0.01	0.1					
PHOSALONE	2310-17-0	0.01	0.2	0.2				
PHOSPHINE	7803-51-2	0.05	0.1			0.1		0.1
PHOSPHONIC-ACID	13598-36-2	2.0					NO MRL REQUIRED	
PHOSPHORIC-ACID	7664-38-2	0.01		0.3				
PHOXIM	14816-18-3	0.01	0.05	0.02				
PICLORAM	01-02-18	0.2						3
PICLORAM-ISOOCTYL-ESTER	26952-20-5							3

Pesticide residues	CAS number	EU MRLs	Russia	Ukraine	Malaysia	Turkey	USA	USA shorts
PICLORAM-POTASSIUM-SALT	2545-60-0	0.2						3
PICLORAM-TRIISOPROPANOLAMINE-S	6753-47-5							3
PICOXYSTROBIN	117428-22-5	0.01	0.2	0.05		0.05	0.04	
PIRIMIPHOS-METHYL	29232-93-7	5.0	7					
POTASSIUM-PHOSPHONATE	13492-26-7	2.0					NO MRL REQUIRED	
POTASSIUM-SILICATE	1312-76-1	0.01					NO MRL REQUIRED	
POTASSIUM-SORBATE	24634-61-5	0.01					NO MRL REQUIRED	
PRALLETHRIN	23031-36-9	0.01					1.0	
PROCHLORAZ	67747-09-5	0.2	2.0			0.5		
PROFENOFOS	41198-08-7	0.01	0.3					
PROFOXYDIM	139001-49-3	0.01				0.05		
PROHEXADIONE-CALCIUM	127277-53-6	0.1	0.2	0.2				
PROPACHLOR	1918-16-7	0.02	0.3	0.2				
PROPAQUIZAFOP	111479-05-1	0.01				0.05		
PROPAZINE	139-40-2	0.01	0.2	0.2				
PROPICONAZOLE	60207-90-1	0.09	0.1	0.1				
PROPIONIC-ACID	79-09-4	0.01					NO MRL REQUIRED	
PROPOXYCARBAZONE-SODIUM	181274-15-7	0.02		0.1				
PROQUINAZID	189278-12-4	0.02	0.1	0.05				
PROSULFURON	94125-34-5	0.01	0.05	0.2				
PROTHIOCONAZOLE	178928-70-6	0.1					0.35	
PYRACLOSTROBIN	175013-18-0	0.2	0.5					
PYRIDABEN	96489-71-3	0.01				0.05		
PYRIPROXYFEN	95737-68-1	0.05					1.1	
PYROXSULAM	422556-08-9	0.01	0.5					
QUIZALOFOP	76578-12-6	0.01				0.05		
QUIZALOFOP-P	94051-08-8	0.01				0.05		
QUIZALOFOP-P-ETHYL	100646-51-3	0.01				0.05		
QUIZALOFOP-P-T	119738-06-6	0.01				0.05		
RESMETHRIN	10453-86-8	0.02					3	
ROTENONE	83-79-4	0.01					NO MRL REQUIRED	
SEDAXANE	874967-67-6	0.01	0.3					
SILTHIOFAM	175217-20-6	0.01		0.05				
SILVER-NITRATE	7761-88-8	0.01					NO MRL REQUIRED	
SIMAZINE	122-34-9	0.01	0.1	1				
SODIUM-5-NITROGUAIACOLATE	67233-85-6	0.03					NO MRL REQUIRED	
SODIUM-CARBONATE	497-19-8	0.01					NO MRL REQUIRED	
SODIUM-HYPOCHLORITE	7681-52-9	0.01					NO MRL REQUIRED	
SODIUM-LAURYL-SULFATE	151-21-3	0.01					NO MRL REQUIRED	
SODIUM-MONONITROPHENOL	824-39-5	0.01					NO MRL REQUIRED	
SODIUM-ORTHO-PHENYL-PHENOL	132-27-4	0.02				0.05		
SODIUM-P-NITROPHENOLATE	824-78-2	0.01					NO MRL REQUIRED	
SPIROXAMINE	118134-30-8	0.05	0.2	0.1				
SULCOTRIONE	99105-77-8	0.02				0.05		
SULFANILIC-ACID	121-57-3	0.01	1.0					
SULFENTRAZONE	122836-35-5	0.01					0.1	
SULFURYL-FLUORIDE	2699-79-8	0.05					0.1	
TAU-FLUVALINATE	102851-06-9	0.05		0.1				
TEBUFENOZIDE	112410-23-8	0.01				0.05		
TEBUFENPYRAD	119168-77-3	0.01				0.05		
TERBUTRYN	886-50-0	0.01	0.1	0.1				
TETRACONAZOLE	112281-77-3	0.1	0.2					
THIABENDAZOLE	148-79-8	0.01	0.2	0.2		0.05	0.05	
THIAMETHOXAM	153719-23-4	0.05		0.2				
THIENCARBAZONE-METHYL	317815-83-1	0.01	0.1					
THIFENSULFURON-METHYL	79277-27-3	0.01	0.5	0.1				
THIODICARB	59669-26-0	0.01				0.02		
THIOPHANATE-METHYL	23564-05-8	0.05	1.0	1				

Pesticide residues	CAS number	EU MRLs	Russia	Ukraine	Malaysia	Turkey	USA	USA shorts
TRALKOXYDIM	87820-88-0	0.01	0.02					
TRIADIMEFON	43121-43-3	0.01	0.5			0.2		
TRIADIMENOL	55219-65-3	0.1	0.2			0.2		
TRIASULFURON	82097-50-5	0.01	0.1	0.1		0.05		
TRIAZOPHOS	24017-47-8	0.02	0.05					
TRICHLORFON	52-68-6	0.01	0.1	0.1				
TRICLOPYR	55335-06-3	0.01				0.1		
TRICYCLAZOLE	41814-78-2	0.01				0.05		
TRIDEMORPH	81412-43-3	0.01		0.2				
TRIFLOXYSTROBIN	141517-21-7	0.3	0.5					
TRIFLUMIZOLE	68694-11-1	0.02	0.05	0.05		0.1		
TRIFLUMURON	64628-44-0	0.01				0.05		
TRIFORINE	26644-46-2	0.01	0.1	0.05				
TRIMORPHAMIDE	60029-23-4	0.01	0.2					
TRITICONAZOLE	131983-72-7	0.01	0.04	0.025				
TRITOSULFURON	142469-14-5	0.01	0.01	0.05				
TRYPTOPHAN	73-22-3	0.01					NO MRL REQUIRED	
VALERIC-ACID	109-52-4	0.01					NO MRL REQUIRED	
Z-8-DODECEN-1-OL	40642-40-8	0.01					NO MRL REQUIRED	
Z-8-DODECEN-1-YL-ACETATE	28079-04-1	0.01					NO MRL REQUIRED	
ZINC-PHOSPHIDE	1314-84-7	0.05				0.1		
ZINEB	12122-67-7	0.01	0.2	0.2				

Annex 2 Pesticide MRLs for maize

Table A2 *List of active pesticide ingredients and related MRLs (mg/kg) for maize in relevant non-EU import countries, for which MRLs exceed the EU MRL (mg/kg).*

Pesticide residues	CAS number	EU MRLs	CODEX	Russia	Ukraine	Brazil	USA
2-OXY-2.5-DIHYDROFURANE	497-23-4	0.01		0.2	0.2		
2.4-D	94-75-7	0.05	0.05	0.05		0.2	0.05
2.4-DP-P	15165-67-0	0.02		0.05			
3-HYDROXYCARBOFURAN	16655-82-6	0.01	0.05				
ACEPHATE	30560-19-1	0.01				0.02	0.02
ACETAMIPRID	135410-20-7	0.01		0.5	0.01	0.05	0.01
ACETOCHLOR	34256-82-1	0.01	0.02	0.03	0.03	0.1	0.05
ACIBENZOLAR-S-METHYL	135158-54-2	0.01		0.1	0.05		
ALACHLOR	15972-60-8	0.01		0.02		0.2	0.2
ALDRIN	309-00-2	0.01	0.02	0.02			
ALUMINIUM-PHOSPHITE	24704-64-1	0.05			0.3		
AMETRYN	834-12-8	0.01				0.04	0.05
AMICARBAZONE	129909-90-6	0.01			0.02	0.02	0.05
AMIDOSULFURON	120923-37-7	0.01		0.5	0.1		
AMINOPYRALID	150114-71-9	0.05		0.03	0.1		0.20
ATRAZINE	1912-24-9	0.05		0.03	0.1	0.25	0.20
AZOXYSTROBIN	131860-33-8	0.02	0.02	0.02	0.2	0.01	0.05
BENDIOCARB	22781-23-3	0.01		0.05	0.05		
BENOMYL	17804-35-2	0.01		0.5	0.1		
BENSULTAP	17606-31-4	0.01		0.05			
BENZOVINDIFLUPYR	1072957-71-1	0.02		0.5	0.04	0.01	0.02
BENZOYLPROP-ETHYL	22212-55-1	0.01			0.1		
BETA-CYFLUTHRIN	1820573-27-0	0.05		0.1	0.05	0.05	0.05
BIFENTHRIN	82657-04-3	0.05	0.05	0.05	0.2	0.02	0.05
BIORESMETHRIN	28434-01-7	0.01		1.0			
BITERTANOL	55179-31-2	0.01		0.05			
BIXAFEN	581809-46-3	0.01		0.5	0.01	0.03	0.40
BOSCALID	188425-85-6	0.15	0.1	0.15	0.1		0.20
BROMUCONAZOLE	116255-48-2	0.01		0.04	0.2		
BUTYLATE	2008-41-5	0.01		0.5	0.5		
CALCIUM-PHOSPHIDE	1305-99-3	0.01	0.1				0.1
CAPTAN	133-06-2	0.07				2.0	0.05
CARBENDAZIM	10605-21-7	0.01		0.5	0.2	0.05	
CARBOFURAN	1563-66-2	0.01	0.05	0.05			
CARBON-DISULPHIDE	75-15-0	0.01			1		
CARBOSULFAN	55285-14-8	0.01	0.05	0.05		0.01	
CARBOXIN	5234-68-4	0.03		0.2	0.05	0.05	0.2
CARFENTRAZONE-ETHYL	128639-02-1	0.05		0.02	0.2	0.05	0.10
CHLORANTRANILIPROLE/RYNAXYPYR	500008-45-7	0.02	0.02	25.0	0.01	0.07	0.04
CHLORBROMURON	13360-45-7	0.01		0.1	0.1		
CHLORDANE	57-74-9	0.01	0.02	0.02			
CHLORFENAPYR	122453-73-0	0.02				0.05	0.01
CHLORINE	7782-50-5	0.01		0.1	0.1		
CHLORMEQUAT	7003-89-6	0.01		2.0			
CHLORMEQUAT-CHLORIDE	999-81-5	0.01			0.1		
CHLOROPICRIN	76-06-2	0.005			0.1		
CHLOROTHALONIL	1897-45-6	0.01		0.1	0.1	0.01	
CHLORPYRIFOS	2921-88-2	0.01	0.05	0.05	0.1	0.1	0.05
CHLORTHAL-DIMETHYL(DCPA)	1861-32-1	0.01					0.05
CHLORTOLURON	15545-48-9	0.01		0.01	0.05		
CHROMAFENOZIDE	143807-66-3	0.01				0.1	

Pesticide residues	CAS number	EU MRLs	CODEX	Russia	Ukraine	Brazil	USA
CINIDON-ETHYL	142891-20-1	0.05			0.1		
CLETHODIM	99129-21-2	0.1				0.5	0.2
CLODINAFOP-P	105512-06-9	0.02		0.05	0.05		
CLOMAZONE	81777-89-1	0.01		0.1		0.05	
CLOQUINTOCET-MEXYL	99607-70-2	0.01		0.1			
CLOTHIANIDIN	210880-92-5	0.02	0.02	0.2	0.05	0.02	0.01
COPPER-HYDROXIDE	20427-59-2	10.0			5.0		
CRYOLITE	15096-52-3	0.01					10.0
CYANTRANILIPROLE	736994-63-1	0.01	0.01	0.01	0.05	0.01	0.01
CYFLUFENAMID	180409-60-3	0.01			0.05		
CYHALOTHRIN	68085-85-8	0.01	0.02	0.02		1	
CYMOXANIL	57966-95-7	0.01			0.05		
CYPROCONAZOLE	94361-06-5	0.1	0.01	0.1	0.2	0.01	0.01
CYPRODINIL	121552-61-2	0.02		0.5	0.1		
CYPROSULFAMIDE	221667-31-8	0.01		0.1	0.5		0.01
DDT	50-29-3	0.05	0.1	0.02			
DEETHYL-ATRAZINE	6190-65-4	0					0.20
DEMETON	8065-48-3	0.01		0.35			
DEMETON-S	126-75-0	0.01	0.02				
DIAFENTHIURON	80060-09-9	0.01				0.05	
DIAZINON	333-41-5	0.01	0.02	0.1	0.1		
DICHLORMID	37764-25-3	0.01					0.05
DICHLORVOS	62-73-7	0.01		0.3	0.02		
DICLOBUTRAZOL	75736-33-3	0.01		0.1			
DIELDRIN	60-57-1	0.01	0.02	0.02			
DIFENOCONAZOLE	119446-68-3	0.05		0.08	0.05	0.01	
DIFLUBENZURON	35367-38-5	0.01			0.1	0.2	
DIFLUFENICAN	83164-33-4	0.01		0.05	0.02		
DIFLUFENZOPYR	1957168-02-3	0.01		0.1	0.4		0.05
DIMETHENAMID	87674-68-8	0.01	0.01	0.02	0.02	0.01	0.01
DIMETHENAMID-P	163515-14-8	0.01	0.01		0.02		0.01
DIMETHOATE	60-51-5	0.01		0.02	0.1		0.1
DINICONAZOLE	83657-24-3	0.01		0.05	0.05		
DIQUAT	2764-72-9	0.02		0.05	0.4		0.02
DITALIMFOS	5131-24-8	0.01		0.1	0.1		
DITHIOCARBAMATES	AI GROUP	0.05		1.0			
DIURON	330-54-1	0.01		0.02		0.05	0.1
ENDOTHALL-DI-SALT	66330-88-9	0.01					0.07
ENDOTHALL-DIPOTAS.-SALT	2164-07-0	0.01					0.07
EPTC	759-94-4	0.01		0.05	0.05		0.08
ESFENVALERATE	66230-04-4	0.02		0.01		1.0	0.02
ETEM	33813-20-6	0.01			0.3		
ETHEPHON	16672-87-0	0.05		1.0	0.5		
ETHIOFENCARB	29973-13-5	0.01		0.05	0.05		
ETHYL-HYDROXYMTHYL-FURYL-DIOXA	22698-73-3	0.01		0.1			
ETHYLENE-1.2-BISDITHIOCARBAMAT	34731-32-3	0.05			0.2		
ETHYLENE-THIOUREA	96-45-7	0		0.02	0.02		
ETOFENPROX	80844-07-1	0.01	0.05			0.05	5.0
ETRIMFOS	38260-54-7	0.01		0.2	0.2		
FAMOXADONE	131807-57-3	0.01		0.2	0.1		
FENAMIDONE	161326-34-7	0.01					0.1
FENBUCONAZOLE	114369-43-6	0.01		0.2			
FENITROTHION	122-14-5	0.05	6	6.0	1	1.0	
FENOXAPROP-P-ETHYL	71283-80-2	0.1		0.01			
FENPROPATHRIN	39515-41-8	0.01				0.4	
FENPROPIDIN	67306-00-7	0.01		0.25	0.1		
FENPROPIMORPH	67564-91-4	0.01		0.5	0.2		
FENPYROXIMATE	134098-61-6	0.01	0.01				0.02
FENTHION	55-38-9	0.01		0.15	0.15		
FENVALERATE	51630-58-1	0.02		0.1	0.1		

Pesticide residues	CAS number	EU MRLs	CODEX	Russia	Ukraine	Brazil	USA
FIPRONIL	120068-37-3	0.005	0.01	0.01	0.002	0.01	0.02
FLAMPROP-ISOPROPYL	52756-22-6	0.01		0.1			
FLAMPROP-M-ISOPROPYL	63782-90-1	0.01			0.1		
FLAMPROP-M-METHYL	63729-98-6	0.01		0.06			
FLORASULAM	145701-23-1	0.01		0.1	0.1		
FLUBENDIAMIDE	272451-65-7	0.02	0.02		0.05	0.1	0.03
FLUCARBAZONE-NA	181274-17-9	0.01		0.2	0.2		
FLUDIOXONIL	131341-86-1	0.01	0.05	0.02	0.02	0.04	0.02
FLUENSULFONE	318290-98-1	0.01				0.02	0.05
FLUMETSULAM	98967-40-9	0.01		1.0	0.05		0.05
FLUMIOXAZIN	103361-09-7	0.02	0.02			0.05	0.02
FLUOMETURON	2164-17-2	0.01		0.5			0.5
FLUOPYRAM	658066-35-4	0.02	0.02	0.02	0.1	0.02	0.02
FLUORINE-CPDS	AI GROUP	2					10.0
FLUOXASTROBIN	361377-29-9	0.01		0.5	0.05		0.02
FLUPYRADIFURONE	951659-40-8	0.01	0.01				0.05
FLURIDONE	59756-60-4	0.01					0.1
FLURTAMONE	96525-23-4	0.01		0.02			
FLUSILAZOLE	85509-19-9	0.01	0.2	0.2			
FLUXAPYROXAD	907204-31-3	0.01	0.01	0.5	0.2	0.05	0.01
FOLPET	133-07-3	0.07			0.1		
FORAMSULFURON	173159-57-4	0.01		1.0	0.05	0.02	
FURATHIOCARB	65907-30-4	0.01		0.02			
GAMMA-CYHALOTHRIN	76703-62-3	0.02	0.02	0.2	0.2	0.05	0.05
GLUFOSINATE-AMMONIUM	77182-82-2	0.1	0.1	0.1	0.1	0.05	0.20
GLYPHOSATE	1071-83-6	1.0	5	1.0		1.0	5.0
GLYPHOSATE-TRIMESIUM	81591-81-3	0.05		0.3			
HALOSULFURON-METHYL	100784-20-1	0.01					0.05
HEPTACHLOR	76-44-8	0.01	0.02	0.02			
HEPTENOPHOS	23560-59-0	0.01		0.1	0.1		
HEXACHLORAN-A	319-84-6	0.01		0.2			
HEXACHLORAN-B	319-85-7	0.01		0.2			
HEXACHLORCYCLOHEXANE	608-73-1	0.02		0.2			
HYDROPRENE	41096-46-2	0.01					0.2
IMAZALIL	35554-44-0	0.01		0.3	0.05		
IMAZALIL-SULFATE	58594-72-2	0.01			0.05		
IMAZAMETHABENZ	100728-84-5	0.01		0.2			
IMAZAMETHABENZ-METHYL	81405-85-8	0.01			0.2		
IMAZAPIC	104098-48-8	0.01	0.01			0.1	
IMAZAPYR	81334-34-1	0.05	0.05			0.1	0.05
IMAZETHAPYR	81335-77-5	0.01	0.1				0.1
IMAZETHAPYR-AMMONIUM	101917-66-2	0.01					0.1
IMIDACLOPRID	138261-41-3	0.1	0.05	0.1	0.05	0.5	0.05
INDOXACARB	173584-44-6	0.01		0.02		0.2	0.02
IODOSULFURON-METHYL	144550-06-1	0.01			0.025		
IODOSULFURON-M-NA	144550-36-7	0.01		0.2	0.025	0.01	0.03
IPCONAZOLE	125225-28-7	0.01		0.02	0.02	0.01	0.01
ISOPYRAZAM	881685-58-1	0.01		0.02	0.1		
ISOXADIFEN-ETHYL	163520-33-0	0.01		0.2			0.08
ISOXAFLUTOLE	141112-29-0	0.02	0.02	0.05	0.02	0.01	0.02
KRESOXIM-METHYL	143390-89-0	0.01		0.1	0.05		
LAMBDA-CYHALOTHRIN	91465-08-6	0.02	0.02	0.02	0.01	1	0.05
LINURON	330-55-2	0.01				0.3	0.1
LUFENURON	103055-07-8	0.01	0.01			0.05	
MANCOZEB	07-01-18	0.05				0.4	0.06
MANGANESE-CHLORIDE	05-01-73	0		0.08			
MCPA-DIMETHYLAMINE-SALT	2039-46-5	0.05			0.1	0.05	
MCPA-SODIUM-SALT	3653-48-3	0.05			0.2		
MCPB	94-81-5	0.05		0.1			
MCPP	93-65-2	0.05		0.25	0.25		

Pesticide residues	CAS number	EU MRLs	CODEX	Russia	Ukraine	Brazil	USA
MCPP-DIMETHYLAMINE-SALT	32351-70-5	0.05			0.25		
MCPP-POTASSIUM-SALT	1929-86-8	0.05			0.25		
MEFENPYR-DIETHYL	135590-91-9	0		0.5			
MEPIQUAT-CHLORIDE	24307-26-4	0.02		3.0	0.4		
MESOSULFURON-METHYL	208465-21-8	0.01		0.5	0.04		
MESOTRIONE	104206-82-8	0.01	0.01	0.1	0.1	0.01	0.01
METALAXYL	57837-19-1	0.02	0.05	0.1	0.1		0.1
METALAXYL-METHYL	70630-17-0	0.02		0.1	0.1	0.05	
METALDEHYDE	108-62-3	0.05		0.7	0.1		0.05
METAM-POTASSIUM	137-41-7	0.02			0.2		
METAZACHLOR	67129-08-2	0.02			0.2		
METCONAZOLE	125116-23-6	0.1		0.2	0.1	0.02	0.02
METHAMIDOPHOS	10265-92-6	0.01				0.02	
METHIDATHION	950-37-8	0.02		0.1			
METHOMYL	16752-77-5	0.02	0.02	0.02		0.1	0.1
METHOXYFENOZIDE	161050-58-4	0.02	0.02			0.5	0.05
METOBROMURON	3060-89-7	0.01			0.2		
METOLACHLOR	51218-45-2	0.05			0.05		0.10
METOXURON	19937-59-8	0.01		0.1			
METRAFENONE	220899-03-6	0.01		0.5	0.2		
METRIBUZIN	21087-64-9	0.1		0.1	0.2		0.05
METSULFURON-METHYL	74223-64-6	0.01		0.05	0.04		
MONOLINURON	1746-81-2	0.01		0.2			
MYCLOBUTANIL	88671-89-0	0.02			0.02		0.03
N-BETA-ETHOX.CHLORACET-TOLUID	59333-47-0	0.01		0.5	0.5		
N-OCTYL-BICYLCOHEPTENE-DICARBOXIMIDE	113-48-4	0					5
NALED	300-76-5	0.01					0.5
NAPHTHALIC-ANHYDRIDE	81-84-5	0.01		0.02			
NICOSULFURON	111991-09-4	0.01		0.2	0.01	0.1	0.1
NITRAPYRIN	1929-82-4	0.01					0.1
NOVALURON	116714-46-6	0.01			0.02	0.02	0.01
OMETHOATE	1113-02-6	0.01					0.1
OXATHIAPIPROLIN/ZORVEC	1003318-67-9	0.01	0.01				0.10
OXYCARBOXIN	5259-88-1	0.01		0.2			
OXYDEMETON-METHYL	301-12-2	0.01		0.02			
PARAQUAT	4685-14-7	0.02	0.03	0.03			0.1
PARAQUAT-CHLORIDE	1910-42-5	0.02				0.1	0.1
PARAQUAT-DIMETHYLSULFATE	2074-50-2	0.02					0.1
PARATHION-METHYL	298-00-0	0.02		0.1			
PENCYCURON	66063-05-6	0.05		0.1			
PENDIMETHALIN	40487-42-1	0.05			0.02	0.1	0.1
PENTHIOPYRAD	183675-82-3	0.01	0.01	0.2	0.2		0.01
PERMETHRIN	52645-53-1	0.05	2	2.0	0.1	0.1	0.05
PHENTHOATE	07-03-97	0.01		0.1			
PHOSALONE	2310-17-0	0.01		0.2	0.2		
PHOSPHINE	7803-51-2	0.05	0.1	0.1		0.1	0.1
PHOSPHORIC-ACID	7664-38-2	0.01			0.3		
PHOXIM	14816-18-3	0.01		0.05	0.05		
PICOLINAFEN	137641-05-5	0.05			0.1		
PICOXYSTROBIN	117428-22-5	0.01	0.01	0.05	0.1	0.01	0.04
PINOXADEN	243973-20-8	0.02		1.0	0.2		
PIRIMICARB	23103-98-2	0.05	0.05	0.2			
PIRIMIPHOS-ETHYL	23505-41-1	0.01		0.1			
PIRIMIPHOS-METHYL	29232-93-7	0.5	7	7.0	5.0	5.0	8.0
PRALLETHRIN	23031-36-9	0.01					1.0
PRIMISULFURON-METHYL	86209-51-0	0.01		0.05			0.02
PROCHLORAZ	67747-09-5	0.03	2	2.0	0.1		
PROFENOFOS	41198-08-7	0.01		0.3		0.02	
PROHEXADIONE-CALCIUM	127277-53-6	0.02		0.2	0.2		0.1

Pesticide residues	CAS number	EU MRLs	CODEX	Russia	Ukraine	Brazil	USA
PROMETRYN	7287-19-6	0.01		0.1	0.1		
PROPACHLOR	1918-16-7	0.02		0.3	0.3		0.2
PROPARGITE	2312-35-8	0.01	0.1	0.1			0.1
PROPAZINE	139-40-2	0.01		0.2	0.2		
PROPICONAZOLE	60207-90-1	0.05	0.05	0.05	0.1	0.1	0.2
PROPISOCHLOR	86763-47-5	0.01		0.1	0.2		
PROPOXYCARBAZONE-SODIUM	181274-15-7	0.02			0.1		
PROQUINAZID	189278-12-4	0.02		0.1	0.05		
PROSULFURON	94125-34-5	0.01		0.02	0.2		0.01
PROTHIOCONAZOLE	178928-70-6	0.1	0.1	0.01	0.1	0.02	0.35
PYDIFLUMETOFEN/ADEPIDYN	1228284-64-7	0.01					0.015
PYRACLOSTROBIN	175013-18-0	0.02	0.02	0.02	0.2	0.1	0.1
PYRIPROXYFEN	95737-68-1	0.05					1.1
PYROXASULFONE/AXEEV	447399-55-5	0.01				0.02	0.02
PYROXSULAM	422556-08-9	0.01		0.5	0.01		
QUIZALOFOP-ETHYL	76578-14-8	0.01					0.02
QUIZALOFOP-P-ETHYL	100646-51-3	0.02			0.05		
RESMETHRIN	10453-86-8	0.02					3
RIMSULFURON	122931-48-0	0.01		0.01	0.05		0.1
S-METHOPRENE	65733-16-6	5			0.5		
S-METOLACHLOR	87392-12-9	0.05		0.1	0.05	0.1	0.10
SEDAXANE	874967-67-6	0.01	0.01	0.3	0.01		0.01
SETHOXYDIM	74051-80-2	0.1				0.3	0.5
SILTHIOFAM	175217-20-6	0.01			0.05		
SIMAZINE	122-34-9	0.01		0.1	1	0.02	0.20
SODIUM-BROMIDE	7647-15-6	50					50.0
SPIROXAMINE	118134-30-8	0.01		0.2	0.1		
SULFANILIC-ACID	121-57-3	0.01		1.0			
SULFENTRAZONE	122836-35-5	0.01					0.15
SULFOXAFLOR/ISOCLAST	946578-00-3	0.01	0.01		0.2	0.01	0.015
TCA-SODIUM	650-51-1	0.01		0.01	0.01		
TCMTB	21564-17-0	0.01					0.1
TDE/DDD	72-54-8	0.05	0.1				
TEBUCONAZOLE	107534-96-3	0.02		0.1	0.025	0.1	0.05
TEBUFENOZIDE	112410-23-8	0.01				0.02	
TEFLUBENZURON	83121-18-0	0.01	0.01			0.1	0.01
TEFLUTHRIN	79538-32-2	0.05		0.05	0.2		0.06
TERBUFOS	13071-79-9	0.01	0.01	0.05		0.05	0.5
TERBUTHYLAZINE	5915-41-3	0.1		0.1	0.4	0.1	
TERBUTRYN	886-50-0	0.01		0.1	0.1		
TETRACONAZOLE	112281-77-3	0.05		0.2	0.05	0.05	0.01
THIABENDAZOLE	148-79-8	0.01		0.2	0.2	0.2	0.01
THIACLOPRID	111988-49-9	0.01		0.05	0.05		
THIAMETHOXAM	153719-23-4	0.05	0.05	0.05	0.4	0.02	0.02
THIENCARBAZONE-METHYL	317815-83-1	0.01		0.5	0.4		0.01
THIFENSULFURON-METHYL	79277-27-3	0.01		0.02	0.05		0.05
THIODICARB	59669-26-0	0.01	0.02			0.1	
THIOPHANATE-METHYL	23564-05-8	0.01		1.0	1	2	
THIRAM	137-26-8	0.1		0.1	0.05	0.4	
TIOXAZAFEN	330459-31-9	0.01	0.01				0.02
TOPRAMEZONE	210631-68-8	0.01		0.1	0.2		0.01
TRALKOXYDIM	87820-88-0	0.01		0.02			
TRIADIMEFON	43121-43-3	0.01		0.5			
TRIADIMENOL	55219-65-3	0.01		0.2	0.03		0.05
TRIASULFURON	82097-50-5	0.01		0.1	0.1		
TRIAZOPHOS	24017-47-8	0.02		0.05		0.01	
TRICHLORFON	52-68-6	0.01		0.1	0.1		
TRIDEMORPH	81412-43-3	0.01			0.2		
TRIFLOXYSTROBIN	141517-21-7	0.02	0.02	0.02	0.05	0.05	0.05
TRIFLUMIZOLE	68694-11-1	0.02		0.05	0.05		

Pesticide residues	CAS number	EU MRLs	CODEX	Russia	Ukraine	Brazil	USA
TRIFLUMURON	64628-44-0	0.01				0.1	
TRIFLURALIN	1582-09-8	0.01				0.05	0.05
TRIFORINE	26644-46-2	0.01		0.1	0.05		
TRIMORPHAMIDE	60029-23-4	0.01		0.2			
TRINEXAPAC	104273-73-6	0.02			0.2		
TRINEXAPAC-ETHYL	95266-40-3	0.02		0.2	0.2		
TRITICONAZOLE	131983-72-7	0.01		0.1	0.05		0.01
TRITOSULFURON	142469-14-5	0.01		0.01	0.2		
VERNOLATE	1929-77-7	0.01		0.5	0.5		
ZINEB	12122-67-7	0.01		0.2	0.2		

Annex 3 Pesticide MRLs for barley

Table A3 *List of active pesticide ingredients and related MRLs (mg/kg) for barley in relevant non-EU import countries, for which MRLs exceed the EU MRL (mg/kg).*

Pesticide residue	CAS number	EU MRLs	Russia	Ukraine	Argentina	Australia
2-OXY-2.5-DIHYDROFURANE	497-23-4	0.01	0.2			
2.2-DPA(DALAPON)	75-99-0	0.05				0.1
2.4-D	94-75-7	0.05	2.0		0.2	0.2
3-HYDROXYCARBOFURAN	16655-82-6	0.01				0.2
ACETAMIPRID	135410-20-7	0.05	0.5	0.1		0.1
ACIBENZOLAR-S-METHYL	135158-54-2	0.05	0.1	0.05		
AFIDOPYROPEN	915972-17-7	0.01				0.02
AL-PHOSPHIDE	20859-73-8	0.05		0.1		0.1
ALDRIN	309-00-2	0.01	0.02			0.02
ALUMINIUM-PHOSPHITE	24704-64-1	0.05		0.3		
AMETOCTRADIN	865318-97-4	0.01				0.2
AMIDOSULFURON	120923-37-7	0.01	0.1	0.1		
AMISULBROM	348635-87-0	0.01				0.02
ATRAZINE	1912-24-9	0.05		0.1		
AZAMETHIPHOS	35575-96-3	0.01				0.1
BENSULTAP	17606-31-4	0.01	0.05			
BENZOYLPROP-E	22212-55-1	0.01		0.1		
BETA-CYFLUTHRIN	1820573-27-0	0.3	0.1	0.05		2
BIFENAZATE	149877-41-8	0.02				0.2
BIFENTHRIN	82657-04-3	0.05	0.5	0.1		0.02
BIORESMETHRIN	28434-01-7	0.01	1.0			
BITERTANOL	55179-31-2	0.01	0.05			
BIXAFEN	581809-46-3	0.5	0.5	0.1	0.9	0.01
BROMIDE-INORGANIC-CPDS	AI GROUP	50				50
BROMOXYNIL	1689-84-5	0.05	0.05	0.05	0.1	0.2
BROMUCONAZOLE	116255-48-2	0.01	0.04	0.2		
BUTAFENACIL	134605-64-4	0.01				0.02
CALCIUM-PHOSPHIDE	1305-99-3	0.01				0.1
CAPTAN	133-06-2	0.07				0.1
CARBARYL	63-25-2	0.5			0.1	15
CARBOFURAN	1563-66-2	0.01				0.2
CARBON-DISULPHIDE	75-15-0	0.01		1		10
CARBONYL-SULPHIDE	00463-58-1	0.01				0.2
CARBOSULFAN	55285-14-8	0.01				0.2
CARBOXIN	5234-68-4	0.03	0.2	0.1		0.1
CARFENTRAZONE-E	128639-02-1	0.05	0.02	0.2		0.05
CHLORANTRANILIPROLE/RYNAXYPYR	500008-45-7	0.02	0.02	0.02		0.1
CHLORBROMURON	13360-45-7	0.01	0.1	0.1		
CHLORDANE	57-74-9	0.01	0.02			0.02
CHLORINE	7782-50-5	0.01	0.1	0.1		
CHLOROPICRIN	76-06-2	0.005		0.1		0.1
CHLORPYRIFOS	2921-88-2	0.01	0.5	0.1	0.05	0.1
CHLORPYRIFOS-METHYL	5598-13-0	0.01			5	10
CHLORSULFOXIM	161383-70-6	0.01	0.005			
CINIDON-E	142891-20-1	0.05		0.1		
CIS-FENVALERATE	NA	0.3				2
CLODINAFOP-P	105512-06-9	0.02	0.05	0.05		
CLOQUINTOCET	88349-88-6	0.01				0.1
CLOQUINTOCET-MEXYL	99607-70-2	0.01	0.1			0.1
CLOTHIANIDIN	210880-92-5	0.04	0.2	0.02		0.02

Pesticide residue	CAS number	EU MRLs	Russia	Ukraine	Argentina	Australia
COPPER-8-OXYQUINOLATE	10380-28-6	10	1.0	1		
COPPER-HYDROXIDE	20427-59-2	10.0		5.0		
CYANTRANILIPROLE	736994-63-1	0.01				0.05
CYAZOFAMID	120116-88-3	0.02				0.04
CYFLUTHRIN	68359-37-5	0.3				2
CYHALOTHRIN	68085-85-8	0.01	0.5			0.2
CYMOXANIL	57966-95-7	0.01		0.05		
DDT	50-29-3	0.05	0.1			0.1
DEMETON	8065-48-3	0.01	0.35			
DIAZINON	333-41-5	0.01	0.1	0.1		0.1
DICAMBA-DIMETHYLAMINE-SALT	2300-66-5	2		0.04		
DICAMBA-POTASSIUM-SALT	10007-85-9	2				
DICHLOBENIL	1194-65-6	0.01				0.05
DICHLORVOS	62-73-7	0.01	0.3	0.02		0.01
DICLOBUTRAZOL	75736-33-3	0.01	0.1			
DICLOFOP-METHYL	51338-27-3	0.05				0.1
DIELDRIN	60-57-1	0.01	0.02			0.02
DIFLUFENICAN	83164-33-4	0.02	0.05	0.02		0.05
DIMETHOATE	60-51-5	0.02	0.05	0.1	0.2	0.05
DIMETHOMORPH	110488-70-5	0.01				0.2
DINICONAZOLE	83657-24-3	0.01	0.05	0.05		
DINOTEFURAN	165252-70-0	0.01				0.02
DIQUAT	2764-72-9	0.02	5.0	0.4		5
DIQUAT-DIBROMIDE	85-00-7	0.02			2	
DITALIMFOS	5131-24-8	0.01	0.1	0.1		
DIURON	330-54-1	0.01	0.02			0.1
EPTC	759-94-4	0.01				0.04
ESFENVALERATE	66230-04-4	0.3	0.1	0.02	0.1	2
ETEM	33813-20-6	0.01		0.3		
ETHIOFENCARB	29973-13-5	0.01	0.05	0.05		
ETHYL-HYDROXYMTHYL-FURYL-DIOXA	22698-73-3	0.01	0.1			
ETHYLENE-DICHLORIDE	107-06-2	0.01				0.1
ETHYLENE-THIOUREA	96-45-7	0	0.02	0.02		
ETOXAZOLE	153233-91-1	0.01				0.05
ETRIMFOS	38260-54-7	0.01	0.2	0.2		
FENHEXAMID	126833-17-8	0.01				0.1
FENITROTHION	122-14-5	0.05	6.0	1		10
FENOXAPROP-E	66441-23-4	0.01			0.1	0.01
FENOXAPROP-P-E	71283-80-2	0.1	0.01	0.2		0.01
FENOXYCARB	72490-01-8	0.01				0.1
FENPROPIMORPH	67564-91-4	0.4	0.5	0.2		0.5
FENPYRAZAMINE	473798-59-3	0.01				0.02
FENPYROXIMATE	134098-61-6	0.01				0.1
FENTHION	55-38-9	0.01	0.15	0.15		
FENVALERATE	51630-58-1	0.3	2.0	0.02		2
FLAMPROP-ISOPROPYL	52756-22-6	0.01	0.1			
FLAMPROP-M-ISOPROPYL	63782-90-1	0.01		0.1		
FLAMPROP-M-METHYL	63729-98-6	0.01	0.06			
FLORASULAM	145701-23-1	0.01	0.05	0.01		0.01
FLUAZIFOP	69335-91-7	0.01				0.02
FLUAZIFOP-B	69806-50-4	0.01				0.02
FLUAZIFOP-P-B	79241-46-6	0.01				0.02
FLUBENDIAMIDE	272451-65-7	0.01				0.05
FLUCARBAZONE-NA	181274-17-9	0.01	0.2	0.2		
FLUDIOXONIL	131341-86-1	0.01	0.05	0.02		0.02
FLUENSULFONE	318290-98-1	0.01				0.05
FLUMETSULAM	98967-40-9	0.01	1.0	0.05		0.05
FLUMIOXAZIN	103361-09-7	0.02				0.05

Pesticide residue	CAS number	EU MRLs	Russia	Ukraine	Argentina	Australia
FLUOMETURON	2164-17-2	0.01	0.5	0.5		0.1
FLUQUINCONAZOLE	136426-54-5	0.01				0.02
FLUROCHLORIDONE	61213-25-0	0.01			0.1	
FLUROXYPYR	69377-81-7	0.1	0.05	0.05	0.05	0.2
FLURTAMONE	96525-23-4	0.01	0.02			
FLUSILAZOLE	85509-19-9	0.01	0.2			
FLUTRIAFOL	76674-21-0	0.15	0.05	0.1	0.1	0.2
FLUVALINATE	69409-94-5	0.4				0.02
FLUXAPYROXAD	907204-31-3	2.0	0.5	0.2	1	3
FURATHIOCARB	65907-30-4	0.01	0.02			0.2
GLUFOSINATE	51276-47-2	0.03				0.1
GLUFOSINATE-AMMONIUM	77182-82-2	0.03	0.4	0.1		0.1
HEPTACHLOR	76-44-8	0.01	0.02			0.02
HEPTENOPHOS	23560-59-0	0.01	0.1	0.1		
HEXACHLORCYCLOHEXANE	608-73-1	0.02	0.01			0.1
HEXACHLOROBENZENE	118-74-1	0.01	0.01			0.05
IMAZALIL	35554-44-0	0.01	0.1	0.05		0.05
IMAZALIL-SULFATE	58594-72-2	0.01		0.05		
IMAZAMETHABENZ	100728-84-5	0.01	0.2			
IMAZAMETHABENZ-METHYL	81405-85-8	0.01		0.2		
IMAZAPIC	104098-48-8	0.01				0.02
IMAZAPYR	81334-34-1	0.01				0.7
INDOXACARB	173584-44-6	0.01				0.05
IODOSULFURON-METHYL	144550-06-1	0.01		0.1		0.01
IODOSULFURON-M-NA	144550-36-7	0.01	0.1	0.1	0.01	
IPCONAZOLE	125225-28-7	0.01	0.02	0.05		0.01
IPRODIONE	36734-19-7	0.01	2.0			0.1
LINDANE	58-89-9	0.01	0.01			0.5
LINURON	330-55-2	0.01				0.05
M-ISOTHIOCYANATE	556-61-6	0.02				0.1
MAGNESIUM-PHOSPHIDE	12057-74-8	0.05		0.1		0.1
MANDESTROBIN	173662-97-0	0.01				0.05
MANDIPROPAMID	374726-62-2	0.01				0.5
MANGANESE-CHLORIDE	05-01-73	0	0.08			
MCPP	93-65-2	0.05	0.25	0.25		
MCPP-DIMETHYLAMINE-SALT	32351-70-5	0.05		0.25		
MCPP-POTASSIUM-SALT	1929-86-8	0.05		0.25		
MEFENPYR-DIACID	135591-00-3	0				0.01
MEFENPYR-DIETHYL	135590-91-9	0	0.5			0.01
MESOSULFURON-METHYL	208465-21-8	0.01	0.5	0.04		
METALAXYL	57837-19-1	0.01	0.1	0.2		0.01
METALAXYL-METHYL	70630-17-0	0.01	0.1	0.2		0.01
METALDEHYDE	108-62-3	0.05	0.7	0.1		1
METAM-POTASSIUM	137-41-7	0.02		0.2		
METAZACHLOR	67129-08-2	0.02				0.03
METHAM	144-54-7	0.02				0.5
METHAM-SODIUM	137-42-8	0.02				0.5
METHOMYL	16752-77-5	0.01	2.0		0.1	0.1
METHOXYFENOZIDE	161050-58-4	0.01				0.03
METOSULAM	139528-85-1	0.01				0.02
METOXURON	19937-59-8	0.01	0.1			
METRIBUZIN	21087-64-9	0.1		0.2	0.1	0.05
METSULFURON-METHYL	74223-64-6	0.01	0.05	0.04	0.05	0.02
MONOLINURON	1746-81-2	0.01	0.2			
MYCLOBUTANIL	88671-89-0	0.02		0.02		0.05
NAPHTHALIC-ANHYDRIDE	81-84-5	0.01	0.02			
NORFLURAZON	27314-13-2	0.01				0.05
NOVALURON	116714-46-6	0.01				0.1

Pesticide residue	CAS number	EU MRLs	Russia	Ukraine	Argentina	Australia
OMETHOATE	1113-02-6	0.02				0.05
ORTHO-PHENYL-PHENOL	90-43-7	0.02				0.1
OXADIXYL	77732-09-3	0.01				0.1
OXAMYL	23135-22-0	0.01				0.02
OXATHIAPIPROLIN/ZORVEC	1003318-67-9	0.01				0.02
OXYCARBOXIN	5259-88-1	0.01	0.2			
PACLOBUTRAZOL	76738-62-0	0.01				0.1
PARAQUAT	4685-14-7	0.02				0.05
PARATHION-METHYL	298-00-0	0.02	0.1			
PENCONAZOLE	66246-88-6	0.01	0.005			0.02
PENCYCURON	66063-05-6	0.05	0.1			
PENFLUFEN	494793-67-8	0.01				0.01
PERMETHRIN	52645-53-1	0.05	2.0	0.1	2	2
PHENMEDIPHAM	13684-63-4	0.01				0.02
PHENTHOATE	07-03-97	0.01	0.1		0.4	
PHOSALONE	2310-17-0	0.01	0.2	0.2		
PHOSPHINE	7803-51-2	0.05	0.1		0.1	0.1
PHOSPHORIC-ACID	7664-38-2	0.01		0.3		
PHOXIM	14816-18-3	0.01	0.05	0.02		
PICLORAM	01-02-18	0.2	0.01		0.5	0.2
PICLORAM-POTASSIUM-SALT	2545-60-0	0.2		0.01		
PICOLINAFEN	137641-05-5	0.05		0.1		0.02
PICOXYSTROBIN	117428-22-5	0.01	0.2	0.05	0.2	
PIRIMIPHOS-METHYL	29232-93-7	5	7.0	5	10	7
PROCHLORAZ	67747-09-5	0.03	2.0	0.1	0.5	0.1
PROFENOFOS	41198-08-7	0.01	0.3			0.02
PROHEXADIONE-CALCIUM	127277-53-6	0.1	0.2	0.2		
PROMETRYN	7287-19-6	0.01				0.1
PROPACHLOR	1918-16-7	0.02	0.3	0.2		0.05
PROPAMOCARB	24579-73-5	0.01				0.1
PROPAZINE	139-40-2	0.01	0.2	0.2		
PROPINEB	12071-83-9	0.05				0.5
PROPOXYCARBAZONE-SODIUM	181274-15-7	0.02		0.1		
PROPYZAMIDE	23950-58-5	0.01				0.02
PROQUINAZID	189278-12-4	0.02	0.1	0.05		0.1
PROSULFURON	94125-34-5	0.01	0.05	0.2	0.002	
PROTHIOCONAZOLE	178928-70-6	0.2	0.5	0.1	0.01	0.3
PYDIFLUMETOFEN/ADEPIDYN	1228284-64-7	0.01			0.4	3
PYRIMETHANIL	53112-28-0	0.05				0.1
PYRIOFENONE	688046-61-9	0.03				0.05
PYRIPROXYFEN	95737-68-1	0.05				0.1
PYROXSULAM	422556-08-9	0.01	0.5	0.01		
QUINCLORAC	84087-01-4	0.01				2
SAFLUFENACIL	372137-35-4	0.03				1
SEDAXANE	874967-67-6	0.01	0.3	0.01		0.01
SILTHIOFAM	175217-20-6	0.01		0.05		
SIMAZINE	122-34-9	0.01	0.1	1		
SODIUM-ORTHO-PHENYL-PHENOL	132-27-4	0.02				0.1
SPIROXAMINE	118134-30-8	0.05	0.2	0.1		0.05
SULFANILIC-ACID	121-57-3	0.01	1.0			
TCA-SODIUM	650-51-1	0.01	0.01	0.01		
TEBUFENOZIDE	112410-23-8	0.01				0.05
TEBUFENPYRAD	119168-77-3	0.01				0.02
TERBUTRYN	886-50-0	0.01	0.1	0.1		0.1
TETRACONAZOLE	112281-77-3	0.1	0.2	0.05		0.02
THIABENDAZOLE	148-79-8	0.01	0.2	0.2		0.03
THIENCARBAZONE-METHYL	317815-83-1	0.01	0.1			
THIFENSULFURON-METHYL	79277-27-3	0.01	0.5	0.1		0.02

Pesticide residue	CAS number	EU MRLs	Russia	Ukraine	Argentina	Australia
THIODICARB	59669-26-0	0.01				0.1
THIOPHANATE-METHYL	23564-05-8	0.3	1.0	1	0.1	
THIRAM	137-26-8	0.1	0.01	0.05		0.5
TRALKOXYDIM	87820-88-0	0.01	0.02		0.02	0.02
TRIADIMEFON	43121-43-3	0.01	0.5		0.5	0.5
TRIADIMENOL	55219-65-3	0.05	0.2		0.5	0.01
TRIASULFURON	82097-50-5	0.01	0.1	0.1	0.002	0.02
TRIAZOPHOS	24017-47-8	0.02	0.05			
TRICHLORFON	52-68-6	0.01	0.1	0.1		0.1
TRIDEMORPH	81412-43-3	0.01		0.2		
TRIFLUMIZOLE	68694-11-1	0.02	0.05	0.05		
TRIFLUMURON	64628-44-0	0.01				0.05
TRIFLURALIN	1582-09-8	0.01				0.05
TRIFORINE	26644-46-2	0.01	0.1	0.05		
TRIMORPHAMIDE	60029-23-4	0.01	0.2			
TRITICONAZOLE	131983-72-7	0.01	0.04	0.025		0.05
TRITOSULFURON	142469-14-5	0.01	0.01	0.05		
ZINC-PHOSPHIDE	1314-84-7	0.05				0.1
ZINEB	12122-67-7	0.01	0.2	0.2		

Annex 4 Pesticide MRLs for oats

Table A4 *List of active pesticide ingredients and related MRLs (mg/kg) for oats in relevant non-EU import countries, for which MRLs exceed the EU MRL (mg/kg).*

Pesticide residue	CAS number	EU MRLs	Ukraine	CODEX
ACETAMIPRID	135410-20-7	0.05	0.1	
ACETOCHLOR	34256-82-1	0.01		0.04
ACIBENZOLAR-S-METHYL	135158-54-2	0.01	0.05	
AL-PHOSPHIDE	20859-73-8	0.05	0.1	0.1
ALDRIN	309-00-2	0.01		0.02
ALUMINIUM-PHOSPHITE	24704-64-1	0.05	0.3	
AMIDOSULFURON	120923-37-7	0.01	0.1	
ATRAZINE	1912-24-9	0.05	0.1	
BENZOYLPROP-E	22212-55-1	0.01	0.1	
BIFENTHRIN	82657-04-3	0.01	0.1	
BITERTANOL	55179-31-2	0.01		0.05
BROMUCONAZOLE	116255-48-2	0.01	0.2	
CALCIUM-PHOSPHIDE	1305-99-3	0.01		0.1
CARBON-DISULPHIDE	75-15-0	0.01	1	
CARBOXIN	5234-68-4	0.03	0.1	
CARFENTRAZONE-E	128639-02-1	0.05	0.2	
CHLORBROMURON	13360-45-7	0.01	0.1	
CHLORDANE	57-74-9	0.01		0.02
CHLORINE	7782-50-5	0.01	0.1	
CHLOROPICRIN	76-06-2	0.005	0.1	
CHLORPYRIFOS	2921-88-2	0.01	0.1	
CINIDON-E	142891-20-1	0.05	0.1	
CLODINAFOP-P	105512-06-9	0.02	0.05	
CYHALOTHRIN	68085-85-8	0.01		0.05
CYMOXANIL	57966-95-7	0.01	0.05	
DDT	50-29-3	0.05		0.1
DEMETON-S	126-75-0	0.01		0.02
DIAZINON	333-41-5	0.01	0.1	
DICHLORVOS	62-73-7	0.01	0.02	
DIELDRIN	60-57-1	0.01		0.02
DIFLUBENZURON	35367-38-5	0.01		0.05
DIMETHOATE	60-51-5	0.02	0.1	
DINICONAZOLE	83657-24-3	0.01	0.05	
DITALIMFOS	5131-24-8	0.01	0.1	
ETEM	33813-20-6	0.01	0.3	
ETHEPHON	16672-87-0	0.05	0.5	
ETHIOFENCARB	29973-13-5	0.01	0.05	
ETHYLENE-THIOUREA	96-45-7	0	0.02	
ETRIMFOS	38260-54-7	0.01	0.2	
FENITROTHION	122-14-5	0.05	1	6
FENOXAPROP-P-E	71283-80-2	0.1	0.2	
FENTHION	55-38-9	0.01	0.15	
FLAMPROP-M-ISOPROPYL	63782-90-1	0.01	0.1	
FLUCARBAZONE-NA	181274-17-9	0.01	0.2	
FLUDIOXONIL	131341-86-1	0.01	0.02	0.05
FLUMETSULAM	98967-40-9	0.01	0.05	
FLUPYRADIFURONE	951659-40-8	0.01		3
FLUSILAZOLE	85509-19-9	0.01		0.2
FLUTRIAFOL	76674-21-0	0.01	0.1	
FOLPET	133-07-3	0.07	0.1	

Pesticide residue	CAS number	EU MRLs	Ukraine	CODEX
GLUFOSINATE-AMMONIUM	77182-82-2	0.03	0.1	
GLYPHOSATE	1071-83-6	20.0		30
HEPTACHLOR	76-44-8	0.01		0.02
HEPTENOPHOS	23560-59-0	0.01	0.1	
IMAZALIL	35554-44-0	0.01	0.05	
IMAZALIL-SULFATE	58594-72-2	0.01	0.05	
IMAZAMETHABENZ-METHYL	81405-85-8	0.01	0.2	
IODOSULFURON-METHYL	144550-06-1	0.01	0.1	
IODOSULFURON-M-NA	144550-36-7	0.01	0.1	
IPCONAZOLE	125225-28-7	0.01	0.05	
IRON-PHOSPHIDE	1310-43-6	0.05		0.1
MAGNESIUM-PHOSPHIDE	12057-74-8	0.05	0.1	0.1
MCPP	93-65-2	0.05	0.25	
MCPP-DIMETHYLAMINE-SALT	32351-70-5	0.05	0.25	
MCPP-POTASSIUM-SALT	1929-86-8	0.05	0.25	
MESOSULFURON-METHYL	208465-21-8	0.01	0.04	
METALAXYL	57837-19-1	0.01	0.2	0.05
METALAXYL-METHYL	70630-17-0	0.01	0.2	
METALDEHYDE	108-62-3	0.05	0.1	
METRIBUZIN	21087-64-9	0.1	0.2	
METSULFURON-METHYL	74223-64-6	0.01	0.04	
PERMETHRIN	52645-53-1	0.05		2
PHOSALONE	2310-17-0	0.01	0.2	
PHOSPHIDE	AI GROUP	0.05		0.1
PHOSPHINE	7803-51-2	0.05		0.1
PHOSPHORIC-ACID	7664-38-2	0.01	0.3	
PHOXIM	14816-18-3	0.01	0.05	
PICOLINAFEN	137641-05-5	0.05	0.1	
PICOXYSTROBIN	117428-22-5	0.01	0.05	0.3
PINOXADEN	243973-20-8	0.02	0.2	
PIRIMIPHOS-METHYL	29232-93-7	5.0		7
PROCHLORAZ	67747-09-5	0.03	0.1	2
PROHEXADIONE-CALCIUM	127277-53-6	0.1	0.2	
PROPACHLOR	1918-16-7	0.02	0.2	
PROPAZINE	139-40-2	0.01	0.2	
PROPOXYCARBAZONE-SODIUM	181274-15-7	0.02	0.1	
PROQUINAZID	189278-12-4	0.02	0.05	
PROSULFURON	94125-34-5	0.01	0.2	
PROTHIOCONAZOLE	178928-70-6	0.05	0.1	
PYRETHRINS(CINERIN-I)	25402-06-6	3		0.3
PYRETHRINS(CINERIN-II)	121-20-0	3		0.3
PYRETHRINS(JASMOLIN-I)	4466-14-2	3		0.3
PYRETHRINS(JASMOLIN-II)	1172-63-0	3		0.3
PYRETHRINS(PYRETHRIN-I)	121-21-1	3		0.3
PYRETHRINS(PYRETHRIN-II)	121-29-9	3		0.3
SILTHIOFAM	175217-20-6	0.01	0.05	
SIMAZINE	122-34-9	0.01	1	
SPIROXAMINE	118134-30-8	0.05	0.1	
SULFOXAFLOR/ISOCLAST	946578-00-3	0.04	0.2	
TDE/DDD	72-54-8	0.05		0.1
TERBUTRYN	886-50-0	0.01	0.1	
THIABENDAZOLE	148-79-8	0.01	0.2	
THIAMETHOXAM	153719-23-4	0.02	0.2	
THIFENSULFURON-METHYL	79277-27-3	0.01	0.1	
THIODICARB	59669-26-0	0.01		0.02
THIOPHANATE-METHYL	23564-05-8	0.3	1	
TRIADIMEFON	43121-43-3	0.01		0.2
TRIADIMENOL	55219-65-3	0.05		0.2

Pesticide residue	CAS number	EU MRLs	Ukraine	CODEX
TRIASULFURON	82097-50-5	0.01	0.1	
TRICHLORFON	52-68-6	0.01	0.1	
TRIDEMORPH	81412-43-3	0.01	0.2	
TRIFLUMIZOLE	68694-11-1	0.02	0.05	
TRIFORINE	26644-46-2	0.01	0.05	
TRITICONAZOLE	131983-72-7	0.01	0.025	
TRITOSULFURON	142469-14-5	0.01	0.05	
ZINC-PHOSPHIDE	1314-84-7	0.05		0.1
ZINEB	12122-67-7	0.01	0.2	

Annex 5 Pesticide MRLs for triticale

Table A5 *List of active pesticide ingredients and related MRLs (mg/kg) for triticale in relevant non-EU import countries, for which MRLs exceed the EU MRL (mg/kg).*

Pesticide residue	CAS number	EU MRLs	Ukraine	Chile
AL-PHOSPHIDE	20859-73-8	0.05	0.1	
ALDRIN	309-00-2	0.01		0.02
ALUMINIUM-PHOSPHITE	24704-64-1	0.05	0.3	
AMIDOSULFURON	120923-37-7	0.01	0.1	
ATRAZINE	1912-24-9	0.05	0.1	
BENZOYLPROP-ETHYL	22212-55-1	0.01	0.1	
BETA-CYFLUTHRIN	1820573-27-0	0.04	0.05	
BIXAFEN	581809-46-3	0.05	0.1	
CARBENDAZIM	10605-21-7	0.1	0.2	
CARBON-DISULPHIDE	75-15-0	0.01	1	
CARBOXIN	5234-68-4	0.03	0.1	
CARFENTRAZONE-ETHYL	128639-02-1	0.05	0.2	
CHLORBROMURON	13360-45-7	0.01	0.1	
CHLORINE	7782-50-5	0.01	0.1	
CHLOROPICRIN	76-06-2	0.005	0.1	
CHLORPYRIFOS	2921-88-2	0.01	0.1	
CINIDON-ETHYL	142891-20-1	0.05	0.1	
CLODINAFOP-P	105512-06-9	0.02	0.05	
CYFLUFENAMID	180409-60-3	0.04	0.05	
CYMOXANIL	57966-95-7	0.01	0.05	
DDT	50-29-3	0.05		0.1
DELTAMETHRIN	52918-63-5	1.0		2
DIAZINON	333-41-5	0.01	0.1	
DICHLORVOS	62-73-7	0.01	0.02	
DIELDRIN	60-57-1	0.01		0.02
DIMETHOATE	60-51-5	0.05	0.1	
DINICONAZOLE	83657-24-3	0.01	0.05	
DIQUAT	2764-72-9	0.02	0.4	
DITALIMFOS	5131-24-8	0.01	0.1	
ETEM	33813-20-6	0.01	0.3	
ETHIOFENCARB	29973-13-5	0.01	0.05	
ETHYLENE-THIOUREA	96-45-7	0	0.02	
ETRIMFOS	38260-54-7	0.01	0.2	
FENITROTHION	122-14-5	0.05	1	
FENOXAPROP-P-ETHYL	71283-80-2	0.1	0.2	
FENPROPIMORPH	67564-91-4	0.15	0.2	
FENTHION	55-38-9	0.01	0.15	
FLAMPROP-M-ISOPROPYL	63782-90-1	0.01	0.1	
FLUCARBAZONE-NA	181274-17-9	0.01	0.2	
FLUDIOXONIL	131341-86-1	0.01	0.02	0.05
FLUMETSULAM	98967-40-9	0.01	0.05	
FLUOXASTROBIN	361377-29-9	0.03	0.05	
FLUSILAZOLE	85509-19-9	0.01		0.2
GLUFOSINATE-AMMONIUM	77182-82-2	0.03	0.1	
GLYPHOSATE-ISOPROPYL-AMINE	38641-94-0	10		30
HEPTACHLOR	76-44-8	0.01		0.02
HEPTENOPHOS	23560-59-0	0.01	0.1	
IMAZALIL	35554-44-0	0.01	0.05	
IMAZALIL-SULFATE	58594-72-2	0.01	0.05	
IMAZAMETHABENZ-METHYL	81405-85-8	0.01	0.2	

Pesticide residue	CAS number	EU MRLs	Ukraine	Chile
IODOSULFURON-METHYL	144550-06-1	0.01	0.1	
IODOSULFURON-M-NA	144550-36-7	0.01	0.1	
IPCONAZOLE	125225-28-7	0.01	0.05	
MAGNESIUM-PHOSPHIDE	12057-74-8	0.05	0.1	
MCPP	93-65-2	0.05	0.25	
MCPP-DIMETHYLAMINE-SALT	32351-70-5	0.05	0.25	
MCPP-POTASSIUM-SALT	1929-86-8	0.05	0.25	
MESOSULFURON-METHYL	208465-21-8	0.01	0.04	
METALAXYL	57837-19-1	0.01	0.2	0.05
METALAXYL-METHYL	70630-17-0	0.01	0.2	
METALDEHYDE	108-62-3	0.05	0.1	
METRAFENONE	220899-03-6	0.07	0.2	
METRIBUZIN	21087-64-9	0.1	0.2	
METSULFURON-METHYL	74223-64-6	0.01	0.04	
PENTHIOPYRAD	183675-82-3	0.1	0.2	
PERMETHRIN	52645-53-1	0.05		2
PHOSALONE	2310-17-0	0.01	0.2	
PHOSPHINE	7803-51-2	0.05		0.1
PHOSPHORIC-ACID	7664-38-2	0.01	0.3	
PHOXIM	14816-18-3	0.01	0.02	
PICOLINAFEN	137641-05-5	0.05	0.1	
PICOXYSTROBIN	117428-22-5	0.01	0.05	
PIRIMIPHOS-METHYL	29232-93-7	5.0		7
PROCHLORAZ	67747-09-5	0.2		2
PROHEXADIONE-CALCIUM	127277-53-6	0.1	0.2	
PROPACHLOR	1918-16-7	0.02	0.2	
PROPAZINE	139-40-2	0.01	0.2	
PROPICONAZOLE	60207-90-1	0.09	0.1	
PROPOXYCARBAZONE-SODIUM	181274-15-7	0.02	0.1	
PROQUINAZID	189278-12-4	0.02	0.05	
PROSULFURON	94125-34-5	0.01	0.2	
SILTHIOFAM	175217-20-6	0.01	0.05	
SIMAZINE	122-34-9	0.01	1	
SPIROXAMINE	118134-30-8	0.05	0.1	
TAU-FLUVALINATE	102851-06-9	0.05	0.1	
TERBUTRYN	886-50-0	0.01	0.1	
THIABENDAZOLE	148-79-8	0.01	0.2	
THIAMETHOXAM	153719-23-4	0.05	0.2	
THIFENSULFURON-METHYL	79277-27-3	0.01	0.1	
THIOPHANATE-METHYL	23564-05-8	0.05	1	
TRIADIMEFON	43121-43-3	0.01		0.2
TRIADIMENOL	55219-65-3	0.1		0.2
TRIASULFURON	82097-50-5	0.01	0.1	
TRICHLORFON	52-68-6	0.01	0.1	
TRIDEMORPH	81412-43-3	0.01	0.2	
TRIFLUMIZOLE	68694-11-1	0.02	0.05	
TRIFORINE	26644-46-2	0.01	0.05	0.1
TRITICONAZOLE	131983-72-7	0.01	0.025	
TRITOSULFURON	142469-14-5	0.01	0.05	
ZINEB	12122-67-7	0.01	0.2	

Annex 6 Pesticide MRLs for soya

Table A6 *List of active pesticide ingredients and related MRLs (mg/kg) for soya in relevant non-EU import countries, for which MRLs exceed the EU MRL (mg/kg).*

Pesticide residue	CAS number	EU MRLs	Argentina	Brazil	Canada	CODEX	USA
2.4-D	94-75-7	0.05		0.1			
2.4-DB	94-82-6	0.05	0.2				0.5
4-CHLOROANILINE	106-47-8	0					0.05
ACEPHATE	30560-19-1	0.3	0.5		0.5		1.0
ACETAMIPRID	135410-20-7	0.01	0.015	0.06			0.03
ACETOCHLOR	34256-82-1	0.01	0.4	0.1			1.0
ACIFLUORFEN	50594-66-6	0.01			0.02		
ACIFLUORFEN-NA	62476-59-9	0.01	0.02	0.02	0.02		0.1
AL-PHOSPHIDE	20859-73-8	0.05		0.1			0.1
ALACHLOR	15972-60-8	0.02	0.1	0.05	0.2		1.0
ALDRIN	309-00-2	0.02				0.05	
ALKYL-DIMET-E-BENZYL-AMM-CHLOR	85409-23-0	0.01		0.1			
ALPHA-CYPERMETHRIN	67375-30-8	0.05	0.1				
AMICARBAZONE	129909-90-6	0.01	0.5				0.80
AMINOBUTANE	13952-84-6	0.01				20	
BENAZOLIN-ETHYL	25059-80-7	0.01	0.05				
BENTAZONE	25057-89-0	0.03	0.05		0.05	0.5	0.05
BENZIMIDAZOLE	51-17-2	0.01					0.1
BETA-CYFLUTHRIN	1820573-27-0	0.03	0.05	0.1			
BETA-CYPERMETHRIN	65731-84-2	0.05	0.1				
BISTRIFLURON	201593-84-2	0.01	0.02				
BIXAFEN	581809-46-3	0.01	0.01	0.7	0.04		0.04
BROMIDE-INORGANIC-CPDS	AI GROUP	50					200
BROMOXYNIL	1689-84-5	0.01	0.1				
BROMUCONAZOLE	116255-48-2	0.01		0.05			
BUPROFEZIN	69327-76-0	0.01		0.02			
CALCIUM-PHOSPHIDE	1305-99-3	0.01					0.1
CAPTAN	133-06-2	0.07		1.0			
CARBARYL	63-25-2	0.05			0.5	0.2	0.5
CARBENDAZIM	10605-21-7	0.2	0.2	0.5		0.5	
CARBOXIN	5234-68-4	0.05		0.2			0.2
CARFENTRAZONE-ETHYL	128639-02-1	0.02		0.1	0.1		0.1
CARTAP-HCL	15263-52-2	0.01		0.1			
CHLORANTRANILIPROLE/RYNAXYPYR	500008-45-7	0.05	0.2	0.2	2		
CHLORFENAPYR	122453-73-0	0.02	0.05	0.05		0.08	
CHLORFLUAZURON	71422-67-8	0.01		0.05			
CHLORIMURON-ETHYL	90982-32-4	0.01	0.05	0.05	0.05		0.05
CHLOROPICRIN	76-06-2	0.01			0.025		
CHLOROTHALONIL	1897-45-6	0.01	0.2	0.5		1	0.2
CHLORPYRIFOS	2921-88-2	0.01				0.1	0.3
CHLORTHAL-DIMETHYL(DCPA)	1861-32-1	0.02			2		2
CHROMAFENOZIDE	143807-66-3	0.01		0.1			
CLOMAZONE	81777-89-1	0.02	0.05	0.05	0.05		0.05
CLORANSULAM-METHYL	147150-35-4	0.01		0.02			0.02
CRYOLITE	15096-52-3	0.01					70
CYANTRANILIPROLE	736994-63-1	0.4					0.40
CYCLANILIPROLE	1031756-98-5	0.01			0.4	0.4	
CYFLUTHRIN	68359-37-5	0.03	0.05				
CYHALOTHRIN	68085-85-8	0.01		0.05		0.05	

Pesticide residue	CAS number	EU MRLs	Argentina	Brazil	Canada	CODEX	USA
CYPERMETHRIN	52315-07-8	0.05	0.1				
CYPRODINIL	121552-61-2	0.02		0.1			
DELTAMETHRIN	52918-63-5	0.02		0.5	0.1	1	0.1
DESMETHYLNORFLURAZON	23576-24-1	0.01					0.1
DIAFENTHIURON	80060-09-9	0.01		0.3			
DICHLORMID	37764-25-3	0.01					0.05
DICLOSULAM	145701-21-9	0.01		0.02			0.02
DIELDRIN	60-57-1	0.02				0.05	
DIFENOCONAZOLE	119446-68-3	0.1			0.15		0.15
DIFLUBENZURON	35367-38-5	0.01	0.05	0.2			0.05
DIFLUOROACETIC-ACID	381-73-7	0.05		0.4			
DIMETHENAMID	87674-68-8	0.01	0.02		0.02		
DIMETHOATE	60-51-5	0.01	0.05				0.05
DINOTEFURAN	165252-70-0	0.01		0.04			
DIQUAT	2764-72-9	0.3				0.4	
DIURON	330-54-1	0.02		0.2			
ENDOSULFAN	115-29-7	0.5				1	
ENDOTHALL-DI-SALT	66330-88-9	0.01					0.2
ENDOTHALL-DIPOTAS.-SALT	2164-07-0	0.01					0.2
ETHALFLURALIN	55283-68-6	0.01			0.05		0.05
ETHION	563-12-2	0.02	0.05				
ETHIPROLE	181587-01-9	0.01		0.08			
ETOFENPROX	80844-07-1	0.01		1.0			5.0
ETOXAZOLE	153233-91-1	0.01					0.02
FENAMIDONE	161326-34-7	0.01					0.02
FENARIMOL	60168-88-9	0.02		0.05			
FENBUCONAZOLE	114369-43-6	0.01	0.02				
FENITROTHION	122-14-5	0.02	0.01	0.1		0.01	
FENOXAPROP	95617-09-7	0.01			0.05		0.05
FENOXAPROP-ETHYL	66441-23-4	0.01	0.05		0.05		
FENPROPATHRIN	39515-41-8	0.01	0.1	0.05		0.01	
FENPROPIMORPH	67564-91-4	0.01		0.2			
FENVALERATE	51630-58-1	0.05	0.1				
FIPRONIL	120068-37-3	0.005	0.01	0.01			
FLUENSULFONE	318290-98-1	0.01		0.2		0.1	
FLUFENACET	142459-58-3	0.05					0.1
FLUMETSULAM	98967-40-9	0.01		0.02	0.05		0.05
FLUMICLORAC-P	87546-18-7	0.01	0.05	0.05			
FLUMIOXAZIN	103361-09-7	0.05		0.1			
FLUOMETURON	2164-17-2	0.01					2.0
FLUORINE-CPDS	AI GROUP	2					70
FLUOXASTROBIN	361377-29-9	0.01			0.05		0.05
FLUPYRADIFURONE	951659-40-8	0.01		0.4	1.5	1.5	1.5
FLUQUINCONAZOLE	136426-54-5	0.01		0.05			
FLUSILAZOLE	85509-19-9	0.01				0.05	
FLUTOLANIL	66332-96-5	0.01					0.2
FOMESAFEN	72178-02-0	0.02		0.05	0.05		
GAMMA-CYHALOTHRIN	76703-62-3	0.05	0.2				
GLYPHOSATE-AMMONIUM	114370-14-8	10					20
GLYPHOSATE-DIMETHYLAMMONIUM-SALT	34494-04-7	10					20
GLYPHOSATE-ETHANOLAMINE-SALT	40465-76-7	10					20
GLYPHOSATE-ISOPROPYL-AMINE	38641-94-0	10					20
GLYPHOSATE-POTASSIUM-SALT	70901-12-1	10					20
GLYPHOSATE-TRIMESIUM	81591-81-3	10			13		
HALOSULFURON-METHYL	100784-20-1	0.01					0.05
HALOXYFOP	69806-34-4	0.5				2	
HALOXYFOP-ETHOXYETHYL	87237-48-7	0.5				2	

Pesticide residue	CAS number	EU MRLs	Argentina	Brazil	Canada	CODEX	USA
HALOXYFOP-P-METHYL	72619-32-0	0.5				2	
HYDROPRENE	41096-46-2	0.01					0.2
IMAZAMOX	114311-32-9	0.05	0.1	0.3	0.1		
IMAZETHAPYR	81335-77-5	0.01	0.1	0.1	0.1	0.03	0.1
IMAZETHAPYR-AMMONIUM	101917-66-2	0.01			0.1		0.1
IMIDACLOPRID	138261-41-3	0.05		0.1	3.5	3	3.5
INDOXACARB	173584-44-6	0.5					0.8
IPRODIONE	36734-19-7	0.01		0.5			
ISOXAFLUTOLE	141112-29-0	0.02			0.05		0.05
KRESOXIM-METHYL	143390-89-0	0.01	0.4	0.05			
LACTOFEN	77501-63-4	0.02	0.05	0.03			
LAMBDA-CYHALOTHRIN	91465-08-6	0.05	0.2				
LINURON	330-55-2	0.01	0.2	1			1
LUFENURON	103055-07-8	0.01	0.05	0.05			
MAGNESIUM-PHOSPHIDE	12057-74-8	0.05		0.1			0.1
MALATHION	121-75-5	0.02					8
MANCOZEB	07-01-18	0.1		0.3			
MEFENPYR-DIETHYL	135590-91-9	0					0.02
MEFENTRIFLUCONAZOLE	1417782-03-6	0.01			0.4		0.4
METAFLUMIZONE	139968-49-3	0.05		0.2			
METALAXYL	57837-19-1	0.1			1		1
METALAXYL-METHYL	70630-17-0	0.1		0.05	1		
METHOXYFENOZIDE	161050-58-4	0.01		0.15	1.5		1
METIRAM	9006-42-2	0.1		0.3			
METOLACHLOR	51218-45-2	0.05					0.2
METOMINOSTROBIN	133408-50-1	0.01	0.5	0.02			
METRIBUZIN	21087-64-9	0.1			0.3		0.3
MSMA	2163-80-6	0.01	0.2				
MYCLOBUTANIL	88671-89-0	0.05					0.25
N-OCTYL-BICYLCOHEPTENE-DICARBOXIMIDE	113-48-4	0					5
NALED	300-76-5	0.01			0.5		
NAPTALAM	132-66-1	0.01	0.1				
NORFLURAZON	27314-13-2	0.01					0.1
NOVALURON	116714-46-6	0.01	0.02	0.05			0.07
OMETHOATE	1113-02-6	0.01					0.05
OXASULFURON	144651-06-9	0.01	0.02				
PARAQUAT	4685-14-7	0.02				0.5	0.7
PARAQUAT-CHLORIDE	1910-42-5	0.02	0.05	0.1			0.7
PARAQUAT-DIMETHYLSULFATE	2074-50-2	0.02					0.7
PENDIMETHALIN	40487-42-1	0.05		0.1	0.1		0.1
PENTHIOPYRAD	183675-82-3	0.3			0.4		0.4
PHENTHOATE	07-03-97	0.01	0.05				
PHOSPHINE	7803-51-2	0.05		0.1		0.1	0.1
PICOXYSTROBIN	117428-22-5	0.01	0.1	0.04	0.05	0.06	0.05
PIPERONYL-BUTOXIDE	51-03-6	0				0.2	
PRALLETHRIN	23031-36-9	0.01					1.0
PROCYMIDONE	32809-16-8	0.02		0.4			
PROFENOFOS	41198-08-7	0.02	0.05	0.1			
PROMETRYN	7287-19-6	0.01	0.1				
PROPICONAZOLE	60207-90-1	0.07			0.25		2.0
PYDIFLUMETOFEN/ADEPIDYN	1228284-64-7	0.01			0.4		0.4
PYRIPROXYFEN	95737-68-1	0.05					0.1
PYROXASULFONE/AXEEV	447399-55-5	0.01		0.02	0.06		0.06
QUIZALOFOP-ETHYL	76578-14-8	0.01	0.05		0.05		0.05
RESMETHRIN	10453-86-8	0.02					3
S-METOLACHLOR	87392-12-9	0.05			0.2		0.9
SAFLUFENACIL	372137-35-4	0.1				0.3	

Pesticide residue	CAS number	EU MRLs	Argentina	Brazil	Canada	CODEX	USA
SETHOXYDIM	74051-80-2	0.1	0.5	0.5	5		16
SODIUM-BROMIDE	7647-15-6	50					200
SPIROTETRAMAT	203313-25-1	4			5		5
SULFENTRAZONE	122836-35-5	0.01	0.05		0.05		0.05
SULFURYL-FLUORIDE	2699-79-8	0.01					2
TEBUFENOZIDE	112410-23-8	0.01		0.05			
TEFLUBENZURON	83121-18-0	0.05	0.1	0.1			
TEPRALOXYDIM	149979-41-9	0.1		2			
TETRACONAZOLE	112281-77-3	0.02	0.1	0.1			0.15
TETRANILIPROLE	1229654-66-3	0.01			0.2		
THIABENDAZOLE	148-79-8	0.02	0.1	0.1			
THIACLOPRID	111988-49-9	0.02		0.1			
THIFENSULFURON-METHYL	79277-27-3	0.01			0.1		0.1
THIODICARB	59669-26-0	0.01	0.2	0.1		0.2	0.2
THIOPHANATE-METHYL	23564-05-8	0.3		0.5		0.5	
THIRAM	137-26-8	0.1		0.3			
TIOXAZAFEN	330459-31-9	0.01			0.04	0.04	0.04
TRIAZOPHOS	24017-47-8	0.01		0.02			
TRIBENURON-METHYL	101200-48-0	0.01			0.05		
TRIFLOXYSTROBIN	141517-21-7	0.05			0.08		0.08
TRIFLUMURON	64628-44-0	0.01		0.1			
TRIFLURALIN	1582-09-8	0.01	0.05	0.05	0.05		
ZETA-CYPERMETHRIN	1315501-18-8	0.05	0.1				

Annex 7 Pesticide MRLs for rapeseed

Table A7 *List of active pesticide ingredients and related MRLs (mg/kg) for rapeseed in relevant non-EU import countries, for which MRLs exceed the EU MRL (mg/kg).*

Pesticide residue	CAS number	EU MRLs	Ukraine	China	Australia
3-HYDROXYCARBOFURAN	16655-82-6	0.02		0.05	
ACETOCHLOR	34256-82-1	0.01	0.02	0.2	
AFIDOPYROPEN	915972-17-7	0.01			0.02
ALPHA-CYPERMETHRIN	67375-30-8	0.2	0.4		
AMETOCTRADIN	865318-97-4	0.01			0.2
AMISULBROM	348635-87-0	0.01			0.02
BENAZOLIN-ETHYL	25059-80-7	0.01		0.2	
BETA-CYFLUTHRIN	1820573-27-0	0.05		0.07	
BIFENAZATE	149877-41-8	0.05			0.2
BIFENTHRIN	82657-04-3	0.05	0.2		
BOSCALID	188425-85-6	1		2	3.5
BROMOXYNIL	1689-84-5	0.01			0.1
CAPTAN	133-06-2	0.07			0.1
CARBARYL	63-25-2	0.05			0.1
CARBOFURAN	1563-66-2	0.02		0.05	
CARBONYL-SULPHIDE	00463-58-1	0.01			0.2
CHLORPYRIFOS	2921-88-2	0.01	0.05		0.05
CHLORPYRIFOS-METHYL	5598-13-0	0.01			0.15
CLOMAZONE	81777-89-1	0.02	0.5	0.1	
CLOPYRALID	1702-17-6	0.5		2	
CLOTHIANIDIN	210880-92-5	0.02	0.05		
CYANTRANILIPROLE	736994-63-1	0.8			1.5
CYAZOFAMID	120116-88-3	0.02			0.04
CYFLUFENAMID	180409-60-3	0.01	0.05		
CYFLUTHRIN	68359-37-5	0.05		0.07	
CYHALOTHRIN	68085-85-8	0.01		0.2	0.02
CYPRODINIL	121552-61-2	0.02			0.05
DICLOFOP-METHYL	51338-27-3	0.05			0.1
DIMETHENAMID-P	163515-14-8	0.01	0.05		
DIMETHOATE	60-51-5	0.01	0.2		0.2
DIMETHOMORPH	110488-70-5	0.02	0.3		0.2
DINOTEFURAN	165252-70-0	0.01			0.02
DIQUAT	2764-72-9	1.5			5
DIQUAT-DIBROMIDE	85-00-7	0.02		1	
DIURON	330-54-1	0.02			0.5
EPTC	759-94-4	0.02			0.1
ESFENVALERATE	66230-04-4	0.05	0.1		0.5
ETEM	33813-20-6	0.01	0.3		
ETHAMETSULFURON	111353-84-5	0.01		0.02	
ETHYLENE-THIOUREA	96-45-7	0	0.02		
ETOXAZOLE	153233-91-1	0.01			0.05
FENHEXAMID	126833-17-8	0.02			0.1
FENITROTHION	122-14-5	0.02	0.05		0.1
FENOXAPROP-ETHYL	66441-23-4	0.01		0.5	
FENOXAPROP-P-ETHYL	71283-80-2	0.1	0.2	0.5	
FENOXYCARB	72490-01-8	0.01			0.1
FENPYRAZAMINE	473798-59-3	0.01			0.02
FENPYROXIMATE	134098-61-6	0.01			0.1
FENVALERATE	51630-58-1	0.05			0.5
FIPRONIL	120068-37-3	0.005			0.01

Pesticide residue	CAS number	EU MRLs	Ukraine	China	Australia
FLONICAMID	158062-67-0	0.06			0.2
FLUBENDIAMIDE	272451-65-7	0.01			0.05
FLUDIOXONIL	131341-86-1	0.01	0.2	0.02	0.2
FLUENSULFONE	318290-98-1	0.01			0.05
FLUMIOXAZIN	103361-09-7	0.05	0.1		0.1
FLUROXYPYR	69377-81-7	0.01	0.05		0.02
FLUSILAZOLE	85509-19-9	0.01		0.1	
GLYPHOSATE	1071-83-6	10		2	20
HALAUXIFEN-METHYL/ARYLEX	943831-98-9	0.05	0.1		
HALOXYFOP-METHYL	69806-40-2	0.2		3	
HALOXYFOP-P-METHYL	72619-32-0	0.2		3	
IMAZALIL	35554-44-0	0.01	0.05		0.05
IMAZAMOX	114311-32-9	0.05	1		
IMAZAPYR	81334-34-1	0.05	1		
IMAZAPYR-IPA-SALT	81510-83-0	0.05	1		
IPRODIONE	36734-19-7	0.01	0.1	2	0.5
LINDANE	58-89-9	0.01			0.05
LINURON	330-55-2	0.01			0.05
M-ISOTHIOCYANATE	556-61-6	0.02			0.1
MALATHION	121-75-5	0.02	0.2		10
MANDESTROBIN	173662-97-0	0.01			0.5
MANDIPROPAMID	374726-62-2	0.01			0.5
METALAXYL	57837-19-1	0.02	0.4		0.05
METALAXYL-METHYL	70630-17-0	0.02	0.4		0.05
METALDEHYDE	108-62-3	0.6			1
METAZACHLOR	67129-08-2	0.06		0.5	
METHIDATHION	950-37-8	0.05			1
METHOMYL	16752-77-5	0.01		0.05	0.5
METHOXYFENOZIDE	161050-58-4	0.01			0.03
METOLACHLOR	51218-45-2	0.05	0.5	0.1	
METRAFENONE	220899-03-6	0.01			0.05
NORFLURAZON	27314-13-2	0.01			0.05
NOVALURON	116714-46-6	0.01			0.1
OMETHOATE	1113-02-6	0.01			0.05
ORTHO-PHENYL-PHENOL	90-43-7	0.01			0.1
ORYZALIN	19044-88-3	0.01			0.05
OXADIXYL	77732-09-3	0.02			0.1
OXATHIAPIPROLIN/ZORVEC	1003318-67-9	0.01			0.02
PACLOBUTRAZOL	76738-62-0	0.01	0.1	0.2	
PARAQUAT	4685-14-7	0.02			0.05
PENCONAZOLE	66246-88-6	0.01			0.02
PERMETHRIN	52645-53-1	0.05			0.2
PHENMEDIPHAM	13684-63-4	0.01			0.02
PHOXIM	14816-18-3	0.02		0.1	
PICLORAM	01-02-18	0.03		0.1	
PICOXYSTROBIN	117428-22-5	0.01	0.1		
PIRIMICARB	23103-98-2	0.05		0.2	0.2
PROCHLORAZ	67747-09-5	0.3		0.5	
PROCHLORAZ-MN	75747-77-2	0.2		0.5	
PROCYMIDONE	32809-16-8	0.02		2	1
PROPAMOCARB	24579-73-5	0.01			0.1
PROPICONAZOLE	60207-90-1	0.05	0.1		
PROPISOCHLOR	86763-47-5	0.01	0.2		
PROPYZAMIDE	23950-58-5	0.01			0.02
PROQUINAZID	189278-12-4	0.02			0.1
PYDIFLUMETOFEN/ADEPIDYN	1228284-64-7	0.01			0.07
PYRACLOSTROBIN	175013-18-0	0.2		0.4	0.4
PYRIMETHANIL	53112-28-0	0.02			0.1

Pesticide residue	CAS number	EU MRLs	Ukraine	China	Australia
PYRIOFENONE	688046-61-9	0.01			0.05
PYRIPROXYFEN	95737-68-1	0.05			0.1
QUINCLORAC	84087-01-4	0.02			1.5
QUINMERAC	90717-03-6	0.1	0.2		
QUIZALOFOP-ETHYL	76578-14-8	0.01			0.02
QUIZALOFOP-METHYL	76578-71-7	0.01			0.02
S-METOLACHLOR	87392-12-9	0.05	0.4	0.1	
SETHOXYDIM	74051-80-2	0.1		0.5	0.5
SODIUM-ORTHO-PHENYL-PHENOL	132-27-4	0.01			0.1
TEBUFENPYRAD	119168-77-3	0.01			0.02
TEPRALOXYDIM	149979-41-9	0.1	0.4		
THIABENDAZOLE	148-79-8	0.02	0.1		0.03
THIAMETHOXAM	153719-23-4	0.02	0.4	0.05	
THIFENSULFURON-METHYL	79277-27-3	0.01	0.05		
THIODICARB	59669-26-0	0.01			0.1
TRIADIMEFON	43121-43-3	0.01	0.2	0.2	0.05
TRICHLORFON	52-68-6	0.02			0.1
TRICLOPYR	55335-06-3	0.01		0.5	
TRICLOPYRICARB	902760-40-1	0.01		0.5	
TRIFLOXYSTROBIN	141517-21-7	0.01			0.02
TRIFLURALIN	1582-09-8	0.01	0.02		0.05
UNICONAZOLE	83657-22-1	0.01		0.05	
ZINEB	12122-67-7	0.01		10	

Annex 8 Pesticide MRLs for sunflower seed

Table A8 *List of active pesticide ingredients and related MRLs (mg/kg) for sunflower seed in relevant non-EU import countries, for which MRLs exceed the EU MRL (mg/kg).*

Pesticide residues	CAS number	EU MRLs	Russia	Ukraine	CODEX	Eurasian Economic union	Argentina	Turkey
3-HYDROXYCARBOFURAN	16655-82-6	0.02			0.1			
ACEPHATE	30560-19-1	0.02					2	
ACETAMIPRID	135410-20-7	0.01		0.1				
ACETOCHLOR	34256-82-1	0.01			0.04		0.1	
ACLONIFEN	74070-46-5	0.02		0.05			0.1	0.05
ACRINATHRIN	101007-06-1	0.02						0.05
AL-PHOSPHIDE	20859-73-8	0.05						0.1
ALACHLOR	15972-60-8	0.02					0.1	
ALUMINIUM-PHOSPHITE	24704-64-1	0.05		0.3				
BENAZOLIN-ETHYL	25059-80-7	0.01					0.05	
BETA-CYFLUTHRIN	1820573-27-0	0.02		0.05			0.05	
BIFENTHRIN	82657-04-3	0.02		0.2				0.1
BROMOPHOS	2104-96-3	0.01						0.02
BROMUCONAZOLE	116255-48-2	0.01						0.05
BUPROFEZIN	69327-76-0	0.01						0.05
CARBARYL	63-25-2	0.05	0.2		0.2	0.2	1	
CARBETAMIDE	16118-49-3	0.02						0.05
CARBOFURAN	1563-66-2	0.02	0.1		0.1	0.1		
CARBON-DISULPHIDE	75-15-0	0.01						0.1
CARBOXIN	5234-68-4	0.05						0.2
CHLORMEQUAT	7003-89-6	0.01						0.1
CHLORPYRIFOS	2921-88-2	0.01		0.05			0.05	0.05
CHLORPYRIFOS-METHYL	5598-13-0	0.01						0.05
CINIDON-ETHYL	142891-20-1	0.05						0.1
CLOMAZONE	81777-89-1	0.02		0.05				
CLOTHIANIDIN	210880-92-5	0.02		0.05				
COPPER-8-OXYQUINOLATE	10380-28-6	10						40
CYFLUFENAMID	180409-60-3	0.01						0.02
CYFLUTHRIN	68359-37-5	0.02					0.05	
CYHALOTHRIN	68085-85-8	0.01	0.2		0.2	0.2		
CYMOXANIL	57966-95-7	0.01	0.2	0.04		0.2		0.1
CYPROCONAZOLE	94361-06-5	0.05	0.5	0.2				
CYPRODINIL	121552-61-2	0.02		0.4				
DDT	50-29-3	0.05	0.15			0.15		
DELTAMETHRIN	52918-63-5	0.05	0.1			0.1	0.1	
DIFENOCONAZOLE	119446-68-3	0.05					0.3	
DIFLUBENZURON	35367-38-5	0.01		0.15				0.05
DIFLUFENICAN	83164-33-4	0.01					0.05	
DIMETHACHLOR	50563-36-5	0.01						0.02
DIMETHENAMID	87674-68-8	0.01	0.04	0.02				
DIMETHENAMID-P	163515-14-8	0.01		0.02		0.04		
DIMETHOATE	60-51-5	0.01	0.02	0.1		0.02		0.05
DIMETHOMORPH	110488-70-5	0.02		0.3				
DIQUAT	2764-72-9	0.9	1			1		
DIQUAT-DIBROMIDE	85-00-7	0.02				1	1	
EDILE	129420-93-5	0.01	0.02			0.02		
ESFENVALERATE	66230-04-4	0.05					0.1	
ETAPHOS	38527-91-2	0.01	0.1			0.1		

Pesticide residues	CAS number	EU MRLs	Russia	Ukraine	CODEX	Eurasian Economic union	Argentina	Turkey
ETEM	33813-20-6	0.01		0.3				
ETHALFLURALIN	55283-68-6	0.01	0.02			0.02		
ETHAMETSULFURON-METHYL	97780-06-8	0.02	0.05					
ETHANEDIOL	107-21-1	0						0.01
ETHYLENE-THIOUREA	96-45-7	0	0.02	0.02		0.02		
ETRIMFOS	38260-54-7	0.01	0.1	0.1		0.1		
FAMOXADONE	131807-57-3	0.01	0.1	0.04		0.1		
FENAMIDONE	161326-34-7	0.02		0.2				
FENBUTATIN-OXIDE	13356-08-6	0.02						0.05
FENITROTHION	122-14-5	0.02	0.1			0.1	0.1	
FENOXAPROP-ETHYL	66441-23-4	0.01					0.1	
FENOXAPROP-P-ETHYL	71283-80-2	0.1	0.02	0.05		0.02		0.1
FENOXYCARB	72490-01-8	0.01						0.05
FENPROPATHRIN	39515-41-8	0.01					0.1	
FENPROPIMORPH	67564-91-4	0.01	0.05	0.1		0.05		0.05
FENPYROXIMATE	134098-61-6	0.01						0.3
FENVALERATE	51630-58-1	0.05	0.1			0.1	0.1	
FIPRONIL	120068-37-3	0.005					0.01	
FLUAZIFOP-P	83066-88-0	0.1			7			
FLUAZIFOP-P-B	79241-46-6	0.1			7			
FLUAZINAM	79622-59-6	0.01						0.05
FLUBENDIAMIDE	272451-65-7	0.01		0.05				
FLUCARBAZONE-NA	181274-17-9	0.01	0.1					
FLUDIOXONIL	131341-86-1	0.01	0.05	0.5		0.05		
FLUMIOXAZIN	103361-09-7	0.05	0.1	0.1	0.5	0.1		
FLUOMETURON	2164-17-2	0.01					0.1	
FLUOPICOLIDE	239110-15-7	0.01	0.1	0.01				
FLUOXASTROBIN	361377-29-9	0.01	0.1	0.05				
FLUQUINCONAZOLE	136426-54-5	0.01						0.05
FLUROCHLORIDONE	61213-25-0	0.01	0.1	0.2		0.1	0.1	0.1
FLUSILAZOLE	85509-19-9	0.01	0.1		0.1	0.1		
FLUTRIAFOL	76674-21-0	0.02	0.05	0.4		0.05		
GLUFOSINATE-AMMONIUM	77182-82-2	0.03	5.0	1		5.0		
GLYPHOSATE-TRIMESIUM	81591-81-3	0.05						20
HALOXYFOP-P-METHYL	72619-32-0	0.4					0.5	
HEXACHLORAN-A	319-84-6	0.01	0.5			0.5		
HEXACHLORAN-B	319-85-7	0.01	0.5			0.5		
HEXACHLORCYCLOHEXANE	608-73-1	0.02	0.5			0.5		
IMAZALIL	35554-44-0	0.01	0.02	0.05		0.02		0.05
IMAZAMOX	114311-32-9	0.3		1				
IMAZAPYR	81334-34-1	0.08	0.1	1		0.1		
IMAZAPYR-IPA-SALT	81510-83-0	0.05		1.0				0.08
IMAZETHAPYR	81335-77-5	0.01	0.5	0.1		0.5	0.05	
IMAZETHAPYR-AMMONIUM	101917-66-2	0.01		0.1				
IMIDACLOPRID	138261-41-3	0.1	0.4			0.4		
IOXYNIL	1689-83-4	0.01						0.02
IOXYNIL-SODIUM-SALT	2961-62-8	0.01						0.02
IPRODIONE	36734-19-7	0.01	0.5	0.1	0.5	0.5		0.5
KRESOXIM-METHYL	143390-89-0	0.05	0.1					
LINURON	330-55-2	0.01					0.2	0.1
LUFENURON	103055-07-8	0.01						0.02
MAGNESIUM-PHOSPHIDE	12057-74-8	0.05						0.1
MALATHION	121-75-5	0.02		0.2			8	
METALAXYL	57837-19-1	0.02	0.1	0.2	0.05	0.1		0.1
METALAXYL-METHYL	70630-17-0	0.02	0.1	0.2				0.1
METHIDATHION	950-37-8	0.05	0.5			0.5		
METHOMYL	16752-77-5	0.01	0.05				0.2	0.05

Pesticide residues	CAS number	EU MRLs	Russia	Ukraine	CODEX	Eurasian Economic union	Argentina	Turkey
METHOPRENE	40596-69-8	0.05			4			
METHOXYFENOZIDE	161050-58-4	0.01					0.05	
METOBROMURON	3060-89-7	0.01	0.1	0.2				
METOLACHLOR	51218-45-2	0.05		0.1				
METSULFURON-METHYL	74223-64-6	0.01	0.05					
MYCLOBUTANIL	88671-89-0	0.05		0.1				
NAPROPAMIDE	15299-99-7	0.05	0.15	0.15		0.15		
OMETHOATE	1113-02-6	0.01						0.05
ORTHO-PHENYL-PHENOL	90-43-7	0.01						0.1
OXYFLUORFEN	42874-03-3	0.05	0.2	0.1		0.2		0.05
PACLOBUTRAZOL	76738-62-0	0.01		0.05				0.02
PARAQUAT	4685-14-7	0.02	2		2	2		
PARAQUAT-CHLORIDE	1910-42-5	0.02					0.05	
PENCONAZOLE	66246-88-6	0.01						0.05
PENDIMETHALIN	40487-42-1	0.05	0.1			0.1		
PERMETHRIN	52645-53-1	0.05	1	1	1	1	1	
PHENTHOATE	07-03-97	0.01					0.4	
PHOSPHINE	7803-51-2	0.05					0.1	
PHOSPHORIC-ACID	7664-38-2	0.01		0.3				
PHOXIM	14816-18-3	0.02	0.1	0.05		0.1		
PICOXYSTROBIN	117428-22-5	0.01	0.05	0.1			0.05	
PIPERONYL-BUTOXIDE	51-03-6	0		4				
PROCHLORAZ	67747-09-5	0.3	0.5		0.5	0.5		0.5
PROCYMIDONE	32809-16-8	0.02	0.2	0.03		0.2	1	
PROFENOFOS	41198-08-7	0.02					1	
PROFOXYDIM	139001-49-3	0.01						0.05
PROMETRYN	7287-19-6	0.01	0.1	0.1		0.1	0.1	
PROPAMOCARB	24579-73-5	0.01		0.1				
PROPAMOCARB-HCL	25606-41-1	0.01		0.1				
PROPICONAZOLE	60207-90-1	0.01	0.1	0.1			0.05	
PROPISOCHLOR	86763-47-5	0.01	0.1	0.2		0.1		
PROQUINAZID	189278-12-4	0.02	0.1					
PROTHIOFOS	34643-46-4	0.01		0.1				
PYDIFLUMETOFEN/ADEPIDYN	1228284-64-7	0.01					0.1	
PYRACLOSTROBIN	175013-18-0	0.3			0.4			
PYRIDABEN	96489-71-3	0.01		0.05				0.05
QUIZALOFOP-ETHYL	76578-14-8	0.01					0.04	
RIMSULFURON	122931-48-0	0.02	0.02	0.05				
S-METOLACHLOR	87392-12-9	0.05	0.1	0.1		0.1		
SODIUM-O-BENZYL-P-CHLOROPHENOX	3184-65-4	0						0.01
SODIUM-ORTHO-PHENYL-PHENOL	132-27-4	0.01						0.1
SULFENTRAZONE	122836-35-5	0.01					0.025	
TEBUCONAZOLE	107534-96-3	0.02	0.2	0.07	0.1	0.2	0.2	
TEBUFENOZIDE	112410-23-8	0.01						0.05
TEBUFENPYRAD	119168-77-3	0.01						0.05
TEPRALOXYDIM	149979-41-9	0.1		0.4				
TERBUTHYLAZINE	5915-41-3	0.1		0.4				
THIABENDAZOLE	148-79-8	0.02	0.2	0.4		0.2		0.05
THIAMETHOXAM	153719-23-4	0.02	0.05	0.4		0.05		
THIFENSULFURON-METHYL	79277-27-3	0.01	0.05	0.1				
THIODICARB	59669-26-0	0.01					0.2	0.05
THIRAM	137-26-8	0.1		0.45				
TRIADIMEFON	43121-43-3	0.01						0.2
TRIADIMENOL	55219-65-3	0.01						0.2
TRIASULFURON	82097-50-5	0.01						0.05

Pesticide residues	CAS number	EU MRLs	Russia	Ukraine	CODEX	Eurasian Economic union	Argentina	Turkey
TRIBENURON-METHYL	101200-48-0	0.01	0.02	0.02		0.02		
TRICHLORFON	52-68-6	0.02	0.1	0.1		0.1		
TRICLOPYR	55335-06-3	0.01						0.1
TRICYCLAZOLE	41814-78-2	0.01						0.05
TRIFLOXYSTROBIN	141517-21-7	0.01		0.05			0.02	
TRIFLUMIZOLE	68694-11-1	0.02						0.1
TRIFLUMURON	64628-44-0	0.01						0.2
TRIFLURALIN	1582-09-8	0.01	0.1	0.5		0.1	0.05	
TRINEXAPAC-ETHYL	95266-40-3	0.01		0.05				
VINCLOZOLIN	50471-44-8	0.02	0.5			0.5		
ZINC-PHOSPHIDE	1314-84-7	0.05						0.1

Annex 9 Pesticide MRLs for lupins

Table A9 *List of active pesticide ingredients and related MRLs (mg/kg) for lupins in relevant non-EU import countries, for which MRLs exceed the EU MRL (mg/kg).*

Pesticide residue	CAS number	EU MRLs	Australia
2.2-DPA(DALAPON)	75-99-0	0.05	0.1
2.4-DB	94-82-6	0.01	0.05
ACIFLUORFEN	50594-66-6	0.01	0.1
AFIDOPYROPEN	915972-17-7	0.01	0.02
AMETOCTRADIN	865318-97-4	0.01	0.2
AMINOPYRALID	150114-71-9	0.01	0.02
AMISULBROM	348635-87-0	0.01	0.02
AZOXYSTROBIN	131860-33-8	0.15	0.3
BENOMYL	17804-35-2	0.1	0.5
BETA-CYFLUTHRIN	1820573-27-0	0.02	0.5
BIFENAZATE	149877-41-8	0.02	0.2
BIXAFEN	581809-46-3	0.01	0.03
BROMOXYNIL	1689-84-5	0.01	0.1
CAPTAN	133-06-2	0.07	0.1
CARBARYL	63-25-2	0.05	0.1
CARBENDAZIM	10605-21-7	0.1	0.5
CARBON-DISULPHIDE	75-15-0	0.01	10
CARBONYL-SULPHIDE	00463-58-1	0.01	0.2
CHLORANTRANILIPROLE/RYNAXYPYR	500008-45-7	0.01	0.07
CHLORDANE	57-74-9	0.01	0.02
CHLOROTHALONIL	1897-45-6	0.2	3
CHLORPYRIFOS-METHYL	5598-13-0	0.01	10
CHLORTHAL-DIMETHYL(DCPA)	1861-32-1	0.01	5
CIS-FENVALERATE	NA	0.02	0.5
CLOTHIANIDIN	210880-92-5	0.02	0.1
CYANTRANILIPROLE	736994-63-1	0.01	0.05
CYAZOFAMID	120116-88-3	0.02	0.04
CYFLUTHRIN	68359-37-5	0.02	0.5
CYHALOTHRIN	68085-85-8	0.01	0.2
DDT	50-29-3	0.05	1
DIAZINON	333-41-5	0.01	0.7
DICLOFOP-METHYL	51338-27-3	0.05	0.1
DICOFOL	115-32-2	0.02	5
DIFLUFENICAN	83164-33-4	0.01	0.05
DIMETHENAMID	87674-68-8	0.01	0.02
DIMETHENAMID-P	163515-14-8	0.01	0.02
DIMETHOATE	60-51-5	0.01	0.5
DIMETHOMORPH	110488-70-5	0.01	0.2
DINOTEFURAN	165252-70-0	0.01	0.02
DIQUAT	2764-72-9	0.2	1
DITHIOCARBAMATES	AI GROUP	0.05	0.5
DIURON	330-54-1	0.01	0.05
EPTC	759-94-4	0.01	0.04
ESFENVALERATE	66230-04-4	0.02	0.5
ETOXAZOLE	153233-91-1	0.01	0.05
FENBUCONAZOLE	114369-43-6	0.01	0.02
FENHEXAMID	126833-17-8	0.01	0.1
FENITROTHION	122-14-5	0.01	0.1
FENOXYCARB	72490-01-8	0.01	0.1
FENPYRAZAMINE	473798-59-3	0.01	0.02

Pesticide residue	CAS number	EU MRLs	Australia
FENPYROXIMATE	134098-61-6	0.01	0.1
FENVALERATE	51630-58-1	0.02	0.5
FLONICAMID	158062-67-0	0.03	0.2
FLUENSULFONE	318290-98-1	0.01	0.05
FLUMETSULAM	98967-40-9	0.01	0.05
FLUMIOXAZIN	103361-09-7	0.02	0.1
FLUROXYPYR	69377-81-7	0.01	0.02
FLUTRIAFOL	76674-21-0	0.01	0.05
FLUVALINATE	69409-94-5	0.01	0.02
FLUXAPYROXAD	907204-31-3	0.3	0.4
GAMMA-CYHALOTHRIN	76703-62-3	0.05	0.2
GLUFOSINATE	51276-47-2	0.03	0.1
GLUFOSINATE-AMMONIUM	77182-82-2	0.03	0.1
HALOXYFOP	69806-34-4	0.01	0.1
HALOXYFOP-ETHOXYETHYL	87237-48-7	0.01	0.1
HEPTACHLOR	76-44-8	0.01	0.05
IMAZALIL	35554-44-0	0.01	0.05
IMAZAPYR	81334-34-1	0.01	0.05
IMAZETHAPYR	81335-77-5	0.01	0.1
INDOXACARB	173584-44-6	0.01	0.2
IPRODIONE	36734-19-7	0.01	0.1
LAMBDA-CYHALOTHRIN	91465-08-6	0.05	0.2
LINDANE	58-89-9	0.01	2
LINURON	330-55-2	0.01	0.05
MALATHION	121-75-5	0.02	2
MANCOZEB	07-01-18	0.05	0.5
MANDESTROBIN	173662-97-0	0.01	0.05
MANDIPROPAMID	374726-62-2	0.01	0.5
METALAXYL	57837-19-1	0.02	0.1
METALAXYL-METHYL	70630-17-0	0.02	0.1
METALDEHYDE	108-62-3	0.2	1
METAZACHLOR	67129-08-2	0.02	0.03
METHAM	144-54-7	0.02	0.5
METHAM-SODIUM	137-42-8	0.02	0.5
METHOMYL	16752-77-5	0.01	1
METHOXYFENOZIDE	161050-58-4	0.01	0.03
METIRAM	9006-42-2	0.05	0.5
METOSULAM	139528-85-1	0.01	0.02
METRAFENONE	220899-03-6	0.01	0.05
MYCLOBUTANIL	88671-89-0	0.02	0.05
NORFLURAZON	27314-13-2	0.01	0.05
NOVALURON	116714-46-6	0.01	0.1
OMETHOATE	1113-02-6	0.01	0.1
ORTHO-PHENYL-PHENOL	90-43-7	0.02	0.1
OXADIXYL	77732-09-3	0.01	0.1
OXATHIAPIPROLIN/ZORVEC	1003318-67-9	0.01	0.02
PARAQUAT	4685-14-7	0.02	1
PENCONAZOLE	66246-88-6	0.01	0.02
PHENMEDIPHAM	13684-63-4	0.01	0.02
PIPERONYL-BUTOXIDE	51-03-6	0	8
PROCHLORAZ	67747-09-5	0.03	0.1
PROFENOFOS	41198-08-7	0.01	0.02
PROMETRYN	7287-19-6	0.01	0.1
PROPAMOCARB	24579-73-5	0.01	0.1
PROPARGITE	2312-35-8	0.01	3
PROPAZINE	139-40-2	0.01	0.1
PROPICONAZOLE	60207-90-1	0.01	0.3
PROPINEB	12071-83-9	0.05	0.5

Pesticide residue	CAS number	EU MRLs	Australia
PROQUINAZID	189278-12-4	0.02	0.1
PYDIFLUMETOFEN/ADEPIDYN	1228284-64-7	0.01	0.5
PYRIOFENONE	688046-61-9	0.01	0.05
PYRIPROXYFEN	95737-68-1	0.05	0.1
QUIZALOFOP	76578-12-6	0.05	0.2
QUIZALOFOP-ETHYL	76578-14-8	0.05	0.2
QUIZALOFOP-METHYL	76578-71-7	0.05	0.2
QUIZALOFOP-P	94051-08-8	0.05	0.2
QUIZALOFOP-P-ETHYL	100646-51-3	0.05	0.2
QUIZALOFOP-P-T	119738-06-6	0.05	0.2
SAFLUFENACIL	372137-35-4	0.03	0.2
SIMAZINE	122-34-9	0.01	0.05
SODIUM-ORTHO-PHENYL-PHENOL	132-27-4	0.02	0.1
SPIROXAMINE	118134-30-8	0.01	0.05
TAU-FLUVALINATE	102851-06-9	0.01	0.02
TEBUCONAZOLE	107534-96-3	0.2	1
TEBUFENOZIDE	112410-23-8	0.01	0.05
TEBUFENPYRAD	119168-77-3	0.01	0.02
THIABENDAZOLE	148-79-8	0.01	0.03
THIACLOPRID	111988-49-9	0.01	0.1
THIAMETHOXAM	153719-23-4	0.04	0.5
THIODICARB	59669-26-0	0.01	0.1
THIOPHANATE	23564-06-9	0.01	0.5
THIRAM	137-26-8	0.1	0.5
TRIADIMEFON	43121-43-3	0.01	0.05
TRIADIMENOL	55219-65-3	0.01	0.05
TRICHLORFON	52-68-6	0.01	0.2
TRIFLURALIN	1582-09-8	0.01	0.05

Annex 10 Pesticide MRLs for linseed

Table A10 *List of active pesticide ingredients and related MRLs (mg/kg) for linseed in relevant non-EU import countries, for which MRLs exceed the EU MRL (mg/kg).*

Pesticide residues	CAS number	EU MRLs	Russia	Eurasian Economic Union	China	India	Turkey	USA	Canada
ACLONIFEN	74070-46-5	0.01					0.05		
ACRINATHRIN	101007-06-1	0.02					0.05		
AMINOMETHYLPHOSPHONIC-ACID(AMPA)	1066-51-9	0							3
AZOXYSTROBIN	131860-33-8	0.4						1	1
BENTAZONE	25057-89-0	0.2						1	
BIFENTHRIN	82657-04-3	0.02					0.1	0.05	
BOSCALID	188425-85-6	1						3.5	3.5
BROMIDE-INORGANIC-CPDS	AI GROUP	20						125.0	
BROMOPHOS	2104-96-3	0.01					0.02		
BROMOXYNIL	1689-84-5	0.01						0.1	0.1
BROMOXYNIL-HEPTANOATE	56634-95-8	0.01						0.1	
BROMOXYNIL-OCTANOATE	1689-99-2	0.01						0.1	
BROMUCONAZOLE	116255-48-2	0.01					0.05		
BUPROFEZIN	69327-76-0	0.01					0.05		
CARBARYL	63-25-2	0.05						0.5	
CARBETAMIDE	16118-49-3	0.02					0.05		
CARBON-DISULPHIDE	75-15-0	0.01					0.1		
CARBOXIN	5234-68-4	0.05					0.2		
CARFENTRAZONE-ETHYL	128639-02-1	0.02						0.1	0.1
CHLORANTRANILIPROLE/RYNAXYPYR	500008-45-7	0.01						2	2
CHLORDANE	57-74-9	0.02		0.05					
CHLORMEQUAT	7003-89-6	0.01					7		
CHLORPYRIFOS	2921-88-2	0.01					0.05	0.1	
CHLORPYRIFOS-METHYL	5598-13-0	0.01					0.05		
CINIDON-ETHYL	142891-20-1	0.05					0.1		
CLETHODIM	99129-21-2	0.1						0.6	0.3
CLOMAZONE	81777-89-1	0.02						0.05	
COPPER-CPDS	AI GROUP	30							50
COPPER-OXYCHLORIDE	1332-40-7	30							50
COPPER-OXYCHLORIDE-SULFATE	8012-69-9	30							50
COPPER-SULFATE	7758-98-7	30							50
COPPER-SULFATE-BASIC	1344-73-6	30							50
CRYOLITE	15096-52-3	0.01						70	
CYANTRANILIPROLE	736994-63-1	0.01						1.5	1.5
CYFLUFENAMID	180409-60-3	0.01					0.02		
CYFLUTHRIN	68359-37-5	0.02						0.05	
CYHALOTHRIN	68085-85-8	0.01	0.2	0.2	0.2				
CYMOXANIL	57966-95-7	0.01					0.1		
DDT	50-29-3	0.05	0.1	0.1					
DELTAMETHRIN	52918-63-5	0.02					0.05	0.05	0.2
DIFLUBENZURON	35367-38-5	0.01					0.05		
DIMETHACHLOR	50563-36-5	0.01					0.02		
DIMETHOATE	60-51-5	0.01					0.05		
ENDOTHALL-DI-SALT	66330-88-9	0.01						5	
ENDOTHALL-DIPOTAS.-SALT	2164-07-0	0.01						5	
EPTC	759-94-4	0.02							0.1
ETHALFLURALIN	55283-68-6	0.01						0.05	
ETHANEDIOL	107-21-1	0					0.01		

Pesticide residues	CAS number	EU MRLs	Russia	Eurasian Economic Union	China	India	Turkey	USA	Canada
ETHYLENE-THIOUREA	96-45-7	0	0.02	0.02					
ETOFENPROX	80844-07-1	0.01					0.01	5.0	
FENBUCONAZOLE	114369-43-6	0.01					0.05		
FENBUTATIN-OXIDE	13356-08-6	0.02					0.05		
FENOXYCARB	72490-01-8	0.01					0.05		
FENPROPIMORPH	67564-91-4	0.01					0.05		
FENPYROXIMATE	134098-61-6	0.01					0.3		
FLONICAMID	158062-67-0	0.06						1.5	1.5
FLUAZINAM	79622-59-6	0.01					0.05		
FLUDIOXONIL	131341-86-1	0.01						0.05	0.05
FLUMIOXAZIN	103361-09-7	0.05						0.4	
FLUOPYRAM	658066-35-4	0.3						5	1.8
FLUORINE-CPDS	AI GROUP	2						70	
FLUOXASTROBIN	361377-29-9	0.05						0.7	
FLUPYRADIFURONE	951659-40-8	0.01						0.03	0.03
FLUQUINCONAZOLE	136426-54-5	0.01					0.05		
FLUROCHLORIDONE	61213-25-0	0.01					0.1		
GLYPHOSATE	1071-83-6	10						40	3
GLYPHOSATE-AMMONIUM	114370-14-8	10						40	
GLYPHOSATE-DIMETHYLAMMONIUM-SALT	34494-04-7	10						40	
GLYPHOSATE-ETHANOLAMINE-SALT	40465-76-7	10						40	
GLYPHOSATE-ISOPROPYL-AMINE	38641-94-0	10						40	
GLYPHOSATE-POTASSIUM-SALT	70901-12-1	10						40	
GLYPHOSATE-TRIMESIUM	81591-81-3	0.05					10		3
HEXACHLORAN-A	319-84-6	0.01	0.4	0.4					
HEXACHLORAN-B	319-85-7	0.01	0.4	0.4					
HEXACHLORCYCLOHEXANE	608-73-1	0.02	0.4	0.4					
HYDROPRENE	41096-46-2	0.01						0.2	
IMAZALIL	35554-44-0	0.01					0.05		
IMAZAPYR	81334-34-1	0.01						0.05	0.05
IMAZAPYR-IPA-SALT	81510-83-0	0					0.01		
IMAZETHAPYR	81335-77-5	0.01							0.05
IMAZETHAPYR-AMMONIUM	101917-66-2	0.01							0.05
IMIDACLOPRID	138261-41-3	0.05	0.1	0.1					
IOXYNIL	1689-83-4	0.01					0.02		
IOXYNIL-SODIUM-SALT	2961-62-8	0.01					0.02		
IPRODIONE	36734-19-7	0.01					0.06		0.07
ISOFETAMID	875915-78-9	0.01						0.015	0.015
LINURON	330-55-2	0.01					0.1		
LUFENURON	103055-07-8	0.01					0.02		
MALATHION	121-75-5	0.02						0.1	
MANCOZEB	07-01-18	0.1						0.15	
MANDESTROBIN	173662-97-0	0.01							0.5
MEFENTRIFLUCONAZOLE	1417782-03-6	0.01						1	1
METALAXYL	57837-19-1	0.02	0.1	0.1			0.1		0.05
METALAXYL-METHYL	70630-17-0	0.02	0.1				0.1	0.05	0.05
METHOMYL	16752-77-5	0.01					0.05		
METHOXYFENOZIDE	161050-58-4	0.01						1	
METHYL-BROMIDE	74-83-9	20						150	
METSULFURON-METHYL	74223-64-6	0.02	0.1						
N-OCTYL-BICYLCOHEPTENE-DICARBOXIMIDE	113-48-4	0						5	
OMETHOATE	1113-02-6	0.01					0.05		
ORTHO-PHENYL-PHENOL	90-43-7	0.01					0.1		
OXATHIAPIPROLIN/ZORVEC	1003318-67-9	0.01						0.1	
PACLOBUTRAZOL	76738-62-0	0.01					0.02		

Pesticide residues	CAS number	EU MRLs	Russia	Eurasian Economic Union	China	India	Turkey	USA	Canada
PENCONAZOLE	66246-88-6	0.01					0.05		
PENTHIOPYRAD	183675-82-3	0.01						1.5	1.5
PHORATE	298-02-2	0.02							0.024
PICOXYSTROBIN	117428-22-5	0.01						0.08	0.08
PRALLETHRIN	23031-36-9	0.01						1.0	
PROCHLORAZ	67747-09-5	0.3					0.5		
PROFOXYDIM	139001-49-3	0.01					0.05		
PROPETAMPHOS	31218-83-4	0.01							0.1
PROPICONAZOLE	60207-90-1	0.01						0.30	0.02
PROTHIOCONAZOLE	178928-70-6	0.09						0.15	0.15
PROTHIOCONAZOLE-DESTHIO	120983-64-4	0.09							0.15
PYDIFLUMETOFEN/ADEPIDYN	1228284-64-7	0.01						0.9	0.9
PYRACLOSTROBIN	175013-18-0	0.2			0.4			0.45	0.45
PYRIDABEN	96489-71-3	0.01					0.05		
PYRIPROXYFEN	95737-68-1	0.05					0.05	0.1	
PYROXASULFONE/AXEEV	447399-55-5	0.01						0.07	0.07
QUINCLORAC	84087-01-4	0.02						1.5	1.5
RESMETHRIN	10453-86-8	0.02					0.02	3	
SAFLUFENACIL	372137-35-4	0.03						0.45	0.5
SETHOXYDIM	74051-80-2	0.1			0.5			40	0.2
SODIUM-BROMIDE	7647-15-6	20						125.0	
SODIUM-O-BENZYL-P-CHLOROPHENOX	3184-65-4	0					0.01		
SODIUM-ORTHO-PHENYL-PHENOL	132-27-4	0.01					0.1		
SULFENTRAZONE	122836-35-5	0.01						0.15	0.15
SULFOXAFLOR/ISOCLAST	946578-00-3	0.02						0.40	0.4
SULFURYL-FLUORIDE	2699-79-8	0.01						2.0	
TEBUFENOZIDE	112410-23-8	0.01					0.05		
TEBUFENPYRAD	119168-77-3	0.01					0.05		
TEPRALOXYDIM	149979-41-9	0.1					0.8		0.3
TETRACONAZOLE	112281-77-3	0.15						0.9	
THIABENDAZOLE	148-79-8	0.02					0.05		
THIENCARBAZONE-METHYL	317815-83-1	0					0.01		
THIFENSULFURON-METHYL	79277-27-3	0.01	0.05	0.05				0.02	0.02
THIODICARB	59669-26-0	0.01					0.05		
TRIADIMEFON	43121-43-3	0.01					0.2		
TRIADIMENOL	55219-65-3	0.01					0.2		
TRIASULFURON	82097-50-5	0.01					0.05		
TRIAZOLYL-ALANINE	86362-20-1	0.01							2
TRIBENURON-METHYL	101200-48-0	0.01						0.02	0.02
TRICLOPYR	55335-06-3	0.01					0.1		
TRICYCLAZOLE	41814-78-2	0.01					0.05		
TRIFLOXYSTROBIN	141517-21-7	0.01						0.4	0.4
TRIFLUMIZOLE	68694-11-1	0.02					0.1		
TRIFLUMURON	64628-44-0	0.01					0.2		
TRIFLURALIN	1582-09-8	0.01						0.05	0.05

Annex 11 Pesticide MRLs for sugar beet

Table A11 *List of active pesticide ingredients and related MRLs (mg/kg) for sugar beet in relevant non-EU import countries, for which MRLs exceed the EU MRL (mg/kg).*

Pesticide residue	CAS number	EU MRLs	CODEX	CODEX pulp	CODEX molasses	Russia	USA	USA pulp	USA molasses
1-METHYLCYCLOPROPENE	07-04-00	0.01					NO MRL REQUIRED		
1.4-DIMETHYLNAPHTHALENE	571-58-4	0.01					NO MRL REQUIRED		
2.2-DPA(DALAPON)	75-99-0	0.1				1.0			
2.4-D	94-75-7	0.05					0.1		
3-HYDROXYCARBOFURAN	16655-82-6	0.01	0.2						
ACEPHATE	30560-19-1	0.01					0.02		
ACETAMIPRID	135410-20-7	0.01				0.1			
ACETOCHLOR	34256-82-1	0.01	0.15	0.3	0.3		0.30	0.5	0.8
ALDRIN	309-00-2	0.01	0.1			0.1			
ALLOXYDIM-SODIUM	55635-13-7	0.01				0.05			
ALPHA-PINENE	80-56-8	0.01					NO MRL REQUIRED		
ALUMINIUM-SULFATE	10043-01-3	0.01					NO MRL REQUIRED		
AMIPHOS	13265-60-6	0.01				0.1			
AZADIRACHTIN	11141-17-6	0.05					NO MRL REQUIRED		
AZOXYSTROBIN	131860-33-8	0.2	1			1.0	5.0		
BENDIOCARB	22781-23-3	0.01				0.05			
BETA-CYFLUTHRIN	1820573-27-0	0.5				0.5	0.10	1	
BETA-DIHYDROHEPTACHLOR	14168-01-5	0.01				0.2			
BIFENTHRIN	82657-04-3	0.01	0.05			0.05	0.05		
BIXAFEN	581809-46-3	0.01					0.3	1	
BORIC-ACID	10043-35-3	0.01					NO MRL REQUIRED		
BOSCALID	188425-85-6	0.4	2						
BROMIDE-INORGANIC-CPDS	AI GROUP	20					30		
CALCIUM-OXIDE	1305-78-8	0.01					NO MRL REQUIRED		
CAPTAN	133-06-2	0.03					0.05		
CARBARYL	63-25-2	0.01					0.5		
CARBOFURAN	1563-66-2	0.01	0.2			0.2			
CARBOSULFAN	55285-14-8	0.01	0.3			0.3			
CARFENTRAZONE-ETHYL	128639-02-1	0.01					0.1		
CHLORANTRANILIPROLE/RYNAXYPYR	500008-45-7	0.02					0.3		9
CHLORDANE	57-74-9	0.01	0.02						
CHLORIDAZON	1698-60-8	0.3				0.1	0.2		1.5
CHLOROTHALONIL	1897-45-6	0.01	0.3			0.2			
CHLORPYRIFOS	2921-88-2	0.01	0.05			0.05	1.0	5	15
CHOLINE-CHLORIDE	67-48-1	0.01					NO MRL REQUIRED		
CINNAMALDEHYDE	104-55-2	0.01					NO MRL REQUIRED		
CITRAL	5392-40-5	0.01					NO MRL REQUIRED		
CLETHODIM	99129-21-2	0.5	0.1			0.1	0.2		1
CLOMAZONE	81777-89-1	0.01				0.1			
CLOPYRALID	1702-17-6	1				0.5	2		10
CLOTHIANIDIN	210880-92-5	0.02	0.2			0.1		0.03	0.05
CODLEMONE	33956-49-9	0.01					NO MRL REQUIRED		
COPPER-HYDROXIDE	20427-59-2	5					NO MRL REQUIRED		
COPPER-OXIDE	1317-39-1	5					NO MRL REQUIRED		
COPPER-OXYCHLORIDE	1332-40-7	5					NO MRL REQUIRED		
COPPER-SULFATE-BASIC	1344-73-6	5					NO MRL REQUIRED		
CRYOLITE	15096-52-3	0.01					70		
CUFRANEB	11096-18-7	0.01	0.5						
CYCLANILIPROLE	1031756-98-5	0.01					NO MRL REQUIRED		

Pesticide residue	CAS number	EU MRLs	CODEX	CODEX pulp	CODEX molasses	Russia	USA	USA pulp	USA molasses
CYCLOATE	1134-23-2	0.01				0.3	0.05		
CYFLUTHRIN	68359-37-5	0.5						1	
DELTAMETHRIN	52918-63-5	0.02				0.01	0.05		
DEMETON-S	126-75-0	0.01	0.2						
DESMEDIPHAM	13684-56-5	0.05				0.1	0.1		
DICHLORMID	37764-25-3	0.01					0.05		0.05
DIELDRIN	60-57-1	0.01	0.1			0.1			
DIFENOCONAZOLE	119446-68-3	0.2					0.6	1.9	
DIMETHENAMID	87674-68-8	0.01				0.02			
DIMETHOATE	60-51-5	0.01	0.05			0.05			
DINOBUTON	973-21-7	0.01				0.05			
DIQUAT	2764-72-9	0.01				0.05	0.02		
DISODIUM-OCTABORATE-TETRAHYDRATE	12280-03-4	0.01					NO MRL REQUIRED		
DISPARLURE	29804-22-6	0.01					NO MRL REQUIRED		
DISULFOTON	298-04-4	0.01	0.2			0.2			
DIURON	330-54-1	0.01				0.02			
DODECYL-ALCOHOL	112-53-8	0.01					NO MRL REQUIRED		
E-8-DODECEN-1YL-AC.	38363-29-0	0.01					NO MRL REQUIRED		
E.Z-2.4-DECADIENOATE-ETHYL	3025-30-7	0.01					NO MRL REQUIRED		
ENDOTHAL-DI-SALT	66330-88-9	0.01					0.2		1.5
ENDOTHAL-DIPOTAS.-SALT	2164-07-0	0.01					0.2		1.5
EPTC	759-94-4	0.01				0.05	0.1		
ESFENVALERATE	66230-04-4	0.02					0.05		
ETAPHOS	38527-91-2	0.01				0.02			
ETHEPHON	16672-87-0	0.05				0.5			
ETHIOFENCARB	29973-13-5	0.01				0.1			
ETHOFUMESATE	26225-79-6	0.2					1.5		2
ETHYLENE-THIOUREA	96-45-7	0				0.02			
ETHYLMERCURY-CHLORIDE	107-27-7	0.01				0.005			
ETOFENPROX	80844-07-1	0.01					5.0		
ETOXAZOLE	153233-91-1	0.01					0.02		
FENAMIDONE	161326-34-7	0.01					0.15		
FENBUCONAZOLE	114369-43-6	0.01					0.3	1	0.4
FENITROTHION	122-14-5	0.01				0.1			
FENPROPIMORPH	67564-91-4	0.03		0.1		0.05			
FENPYROXIMATE	134098-61-6	0.01				0.05			
FENTHION	55-38-9	0.01				0.15			
FENTIN-HYDROXIDE	76-87-9	0.02					0.05		
FENVALERATE	51630-58-1	0.02				0.05			
FERBAM	14484-64-1	0.01	0.5						
FIPRONIL	120068-37-3	0.005	0.2			0.2			
FLORPYRAUXIFEN-BENZYL/RINSKOR	1390661-72-9	0.01					NO MRL REQUIRED		
FLUAZIFOP-P	83066-88-0	0.5		20	7			1	3.5
FLUAZIFOP-P-BUTYL	79241-46-6	0.5		20	7			1	3.5
FLUDIOXONIL	131341-86-1	0.01				0.05	4.0		
FLUENSULFONE	318290-98-1	0.01	3						
FLUORINE-CPDS	AI GROUP	2					70		
FLUPYRADIFURONE	951659-40-8	0.01	0.7						
FLURIDONE	59756-60-4	0.01					0.1		
FLUSILAZOLE	85509-19-9	0.01	0.05			0.05			
FLUTIANIL	958647-10-4	0.01					NO MRL REQUIRED		
FLUTRIAFOL	76674-21-0	0.06				0.1	0.08		
FORMIC-ACID	64-18-6	0.01					NO MRL REQUIRED		
FORMOTHION	2540-82-1	0.01				0.2			
FURATHIOCARB	65907-30-4	0.01				0.02			
GAMMA-AMINOBUTYRIC-ACID	56-12-2	0.01					NO MRL REQUIRED		
GAMMA-CYHALOTHRIN	76703-62-3	0.01				0.02			

Pesticide residue	CAS number	EU MRLs	CODEX	CODEX pulp	CODEX molasses	Russia	USA	USA pulp	USA molasses
GLUFOSINATE	51276-47-2	1.5			8				
GLUFOSINATE-AMMONIUM	77182-82-2	1.5			8				5
GLYPHOSATE	1071-83-6	15						25	
GLYPHOSATE-AMMONIUM	114370-14-8	15						25	
GLYPHOSATE-DIMETHYLAMMONIUM-SALT	34494-04-7	15						25	
GLYPHOSATE-ETHANOLAMINE-SALT	40465-76-7	15						25	
GLYPHOSATE-ISOPROPYL-AMINE	38641-94-0	15						25	
GLYPHOSATE-POTASSIUM-SALT	70901-12-1	15						25	
HALOXYFOP	69806-34-4	0.2	0.4						
HALOXYFOP-ETHOXYETHYL	87237-48-7	0.2	0.4						
HALOXYFOP-P-METHYL	72619-32-0	0.2	0.4						
HEXACHLORAN-A	319-84-6	0.01				0.1			
HEXACHLORAN-B	319-85-7	0.01				0.1			
HEXACHLORCYCLOHEXANE	608-73-1	0.01				0.1			
HEXAMETHYLENE-TETRAMINE	100-97-0	0.01					NO MRL REQUIRED		
HEXYTHIAZOX	78587-05-0	0.05					0.15	0.3	
HYDROPRENE	41096-46-2	0.01					0.2		
IMAZAMOX	114311-32-9	0.05					NO MRL REQUIRED		
INDOL-3-YLACETIC-ACID	87-51-4	0.1					NO MRL REQUIRED		
INDOL-3-YLBUTYRIC-ACID	133-32-4	0.1					NO MRL REQUIRED		
IPRODIONE	36734-19-7	0.01	0.1			0.1			
IRON-EDTA	15708-41-5	0.01					NO MRL REQUIRED		
ISOBUTYRIC-ACID	79-31-2	0.01					NO MRL REQUIRED		
L-GLUTAMIC-ACID	56-86-0	0.01					NO MRL REQUIRED		
LAMBDA-CYHALOTHRIN	91465-08-6	0.01				0.2			
M. ANISOPLIAE F52	67892-13-1	0.01					NO MRL REQUIRED		
MALATHION	121-75-5	0.02				0.5	1		
MALEIC-HYDRAZIDE	123-33-1	0.2				8.0			
MANCOZEB	07-01-18	2	0.5				1.2	3	
MEFENPYR-DIETHYL	135590-91-9	0				0.01			
MEFENTRIFLUCONAZOLE	1417782-03-6	0.01					0.6	2	
MENAZON	78-57-9	0.01				1.0			
METALAXYL	57837-19-1	0.01	0.05			0.05	0.1		1
METALAXYL-METHYL	70630-17-0	0.01				0.05			
METCONAZOLE	125116-23-6	0.06					0.07	0.7	0.08
METHIDATHION	950-37-8	0.02				0.05			
METHOMYL	16752-77-5	0.01					0.2		
METHOPRENE	40596-69-8	0.02					NO MRL REQUIRED		
METHOXYFENOZIDE	161050-58-4	0.3					0.5		
MONOCARBAMIDE-DIHYDROGEN-SULFA	21351-39-3	0.01					NO MRL REQUIRED		
MYCLOBUTANIL	88671-89-0	0.01	0.06				0.03		
MYRISTYL-ALCOHOL	112-72-1	0.01					NO MRL REQUIRED		
N-OCTYL-BICYLCOHEPTENE-DICARBOXIMIDE	113-48-4	0					5		
NALED	300-76-5	0.01					0.5		
NITRAPYRIN	1929-82-4	0.01					0.3		0.5
NITROGEN	7727-37-9	0.01					NO MRL REQUIRED		
OXADIXYL	77732-09-3	0.01				1.0			
OXAMYL	23135-22-0	0.01				0.1			
OXATHIAPIPROLIN/ZORVEC	1003318-67-9	0.01					0.10		
OXYDEMETON-METHYL	301-12-2	0.01					0.3		
PARAQUAT	4685-14-7	0.02	0.05				0.5		
PARAQUAT-CHLORIDE	1910-42-5	0.02					0.5		
PARAQUAT-DIMETHYLSULFATE	2074-50-2	0.02					0.5		
PARATHION-METHYL	298-00-0	0.01	0.05			0.05			
PEBULATE	1114-71-2	0.01				0.05			
PENTHIOPYRAD	183675-82-3	0.5	0.5				0.5	1.5	

Pesticide residue	CAS number	EU MRLs	CODEX	CODEX pulp	CODEX molasses	Russia	USA	USA pulp	USA molasses
PERACETIC-ACID	79-21-0	0.01					NO MRL REQUIRED		
PETROLEUM-OIL(GENERIC)	92062-35-6	0.01					NO MRL REQUIRED		
PHENMEDIPHAM	13684-63-4	0.05				0.2	0.1	0.5	0.2
PHORATE	298-02-2	0.05					0.3		
PHOSALONE	2310-17-0	0.01				0.2			
PHOSMET	732-11-6	0.05				0.25			
PHOSPHONIC-ACID	13598-36-2	2.0					NO MRL REQUIRED		
PHOXIM	14816-18-3	0.01				0.1			
PICOXYSTROBIN	117428-22-5	0.01				0.05	0.5	1.5	
PIRIMICARB	23103-98-2	0.01	0.05			0.02			
PIRIMIPHOS-METHYL	29232-93-7	0.01				0.2			
POTASSIUM-PHOSPHONATE	13492-26-7	2.0					NO MRL REQUIRED		
POTASSIUM-SILICATE	1312-76-1	0.01					NO MRL REQUIRED		
POTASSIUM-SORBATE	24634-61-5	0.01					NO MRL REQUIRED		
PRALLETHRIN	23031-36-9	0.01					1		
PROCHLORAZ	67747-09-5	0.03				0.1			
PROPAQUIZAFOP	111479-05-1	0.06				0.1			
PROPICONAZOLE	60207-90-1	0.15					0.3	1	1.5
PROPIONIC-ACID	79-09-4	0.01					NO MRL REQUIRED		
PROPISOCHLOR	86763-47-5	0.01				0.1			
PROPYZAMIDE	23950-58-5	0.08				0.1			
PROTHIOCONAZOLE	178928-70-6	0.01	0.3			0.3	0.25		
PROTHIOCONAZOLE-DESTHIO	120983-64-4	0.01	0.3						
PYDIFLUMETOFEN/ADEPIDYN	1228284-64-7	0.01					0.5		
PYRACLOSTROBIN	175013-18-0	0.2						1	
PYRIDAPHENTHION	119-12-0	0.01				0.1			
PYRIPROXYFEN	95737-68-1	0.05					0.15	3	
QUINOXYFEN	124495-18-7	0.02	0.03			0.03			
QUIZALOFOP	76578-12-6	0.06					0.1		0.2
QUIZALOFOP-ETHYL	76578-14-8	0.06					0.1		0.2
RESMETHRIN	10453-86-8	0.01					3		
ROTENONE	83-79-4	0.02					NO MRL REQUIRED		
S-METOLACHLOR	87392-12-9	0.05					0.5		2
S. LYDICUS WYEC108	BACTERIA	0.01					NO MRL REQUIRED		
SETHOXYDIM	74051-80-2	0.5					4		10
SILVER-NITRATE	7761-88-8	0.01					NO MRL REQUIRED		
SODIUM-5-NITROGUAIACOLATE	67233-85-6	0.03					NO MRL REQUIRED		
SODIUM-BROMIDE	7647-15-6	20					30		
SODIUM-CARBONATE	497-19-8	0.01					NO MRL REQUIRED		
SODIUM-HYPOCHLORITE	7681-52-9	0.01					NO MRL REQUIRED		
SODIUM-LAURYL-SULFATE	151-21-3	0.01					NO MRL REQUIRED		
SODIUM-MONONITROPHENOL	824-39-5	0.01					NO MRL REQUIRED		
SODIUM-P-NITROPHENOLATE	824-78-2	0.01					NO MRL REQUIRED		
SPINETORAM	935545-74-7	0.05					0.1		0.75
SPINOSAD	168316-95-8	0.02					0.1		0.75
SPIROMESIFEN	283594-90-1	0.02					0.03		
SPIROTETRAMAT	203313-25-1	0.1					0.15		0.3
SPIROXAMINE	118134-30-8	0.01				0.1			
SULFOXAFLOR/ISOCLAST	946578-00-3	0.01	0.03				0.05	0.07	0.25
SULFURYL-FLUORIDE	2699-79-8	0.01					2.0		
TCMTB	21564-17-0	0.01					0.1		
TEBUCONAZOLE	107534-96-3	0.02				0.1			
TEMEPHOS	3383-96-8	0.01				0.3			
TEPRALOXYDIM	149979-41-9	0.1				0.5			
TERBUFOS	13071-79-9	0.01	0.02			0.02	0.05		
TETRACONAZOLE	112281-77-3	0.05				0.05	0.15	0.2	0.25
THIAMETHOXAM	153719-23-4	0.02	0.3			0.05	0.05		
THIENCARBAZONE-METHYL	317815-83-1	0.01				0.1			

Pesticide residue	CAS number	EU MRLs	CODEX	CODEX pulp	CODEX molasses	Russia	USA	USA pulp	USA molasses
THIOCYCLAM-HYDROGEN-OXALATE	31895-22-4	0.01				0.02			
THIOPHANATE-METHYL	23564-05-8	0.1	0.1			1	0.2		
THIRAM	137-26-8	0.1	0.5						
TRIADIMEFON	43121-43-3	0.01	0.05			0.5			
TRIALLATE	2303-17-5	0.1						0.2	
TRICHLOR-BENZOTHIADIAZINE	89983-63-1	0				0.04			
TRICHLORFON	52-68-6	0.01				0.05			
TRICHLOROPHENOL	88-06-2	0				1.0			
TRIFLOXYSTROBIN	141517-21-7	0.02	0.05			0.05	0.1	0.4	0.2
TRIFLURALIN	1582-09-8	0.01					0.05		
TRYPTOPHAN	73-22-3	0.01					NO MRL REQUIRED		
VALERIC-ACID	109-52-4	0.01					NO MRL REQUIRED		
Z-8-DODECEN-1-OL	40642-40-8	0.01					NO MRL REQUIRED		
Z-8-DODECEN-1-YL-ACETATE	28079-04-1	0.01					NO MRL REQUIRED		
ZINC-PHOSPHIDE	1314-84-7	0.01					0.05		
ZINEB	12122-67-7	0.01	0.5			0.6			
ZIRAM	137-30-4	0.1	0.5						

Annex 12 Pesticide MRLs for sugar cane

Table A12 *List of active pesticide ingredients and related MRLs (mg/kg) for sugar cane in relevant non-EU import countries, for which MRLs exceed the EU MRL (mg/kg).*

Pesticide residue	CAS number	EU MRLs	India	CODEX	CODEX molasses	Thailand	USA	USA molasses
2.4-D	94-75-7	0.05						0.2
3-HYDROXYCARBOFURAN	16655-82-6	0.01	0.10	0.1			0.1	
3-HYDROXYCARBOFURAN-7-OL	17781-15-6	0					0.1	
3-KETOCARBOFURAN-PHENOL	17781-16-7	0					0.1	
ACEPHATE	30560-19-1	0.01				0.05	0.02	
ALDICARB	116-06-3	0.02		0.1				
ALDOXYCARB	1646-88-4	0.02		0.1				
ALDRIN	309-00-2	0.01				0.05		
AMETRYN	834-12-8	0.01	0.05			0.05	0.05	
ASULAM	3337-71-1	0.05					1.0	30
ATRAZINE	1912-24-9	0.05	0.25			0.1	0.2	
AZOXYSTROBIN	131860-33-8	0.05					0.2	
BENZOVINDIFLUPYR	1072957-71-1	0.04					0.3	
BETA-CYFLUTHRIN	1820573-27-0	0.02				0.02	0.05	20
BIFENTHRIN	82657-04-3	0.01	0.03			0.05	0.05	
BROMIDE-INORGANIC-CPDS	AI GROUP	20					125	
CARBARYL	63-25-2	0.01				0.05		
CARBOFURAN	1563-66-2	0.01	0.10	0.1			0.1	
CARBOFURAN-PHENOL	1563-38-8	0.01					0.1	
CARFENTRAZONE-ETHYL	128639-02-1	0.01					0.15	
CHLORANTRANILIPROLE/RYNAXYPYR	500008-45-7	0.5					14	420
CHLORDANE	57-74-9	0.01				0.02		
CHLORMEQUAT	7003-89-6	0.01				0.1		
CHLORPYRIFOS	2921-88-2	0.01					0.1	
CLOMAZONE	81777-89-1	0.01					0.05	
COPPER(CU)	7440-50-8	5	30					
CRYOLITE	15096-52-3	0.01					70	
CYANAMIDE	420-04-2	0.01	0.03					
CYFLUTHRIN	68359-37-5	0.02					0.05	0.2
CYHALOTHRIN	68085-85-8	0.01		0.05		0.05		
DEETHYL-ATRAZINE	6190-65-4	0					0.2	
DELTAMETHRIN	52918-63-5	0.01				0.05	0.05	
DIELDRIN	60-57-1	0.01				0.05		
DIQUAT	2764-72-9	0.01					0.2	
DIURON	330-54-1	0.01	0.02				0.2	0.7
ENDOTHALL-DI-SALT	66330-88-9	0.01					5	
ENDOTHALL-DIPOTAS.-SALT	2164-07-0	0.01					5	
ESFENVALERATE	66230-04-4	0.02					1	
ETHEPHON	16672-87-0	0.05					0.1	1.5
ETOFENPROX	80844-07-1	0.01					5	
FENPROPATHRIN	39515-41-8	0.01				0.05		
FIPRONIL	120068-37-3	0.005	0.01					
FLUBENDIAMIDE	272451-65-7	0.01					0.3	
FLUENSULFONE	318290-98-1	0.01					0.06	0.3
FLUMIOXAZIN	103361-09-7	0.02					0.2	
FLUOPYRAM	658066-35-4	0.01					0.08	
FLUORINE-CPDS	AI GROUP	2					70	
GLYPHOSATE	1071-83-6	0.1		2	10		2	30
GLYPHOSATE-AMMONIUM	114370-14-8	0.1					2	30

Pesticide residue	CAS number	EU MRLs	India	CODEX	CODEX molasses	Thailand	USA	USA molasses
GLYPHOSATE-DIMETHYLAMMONIUM-SALT	34494-04-7	0.1					2	30
GLYPHOSATE-ETHANOLAMINE-SALT	40465-76-7	0.1					2	30
GLYPHOSATE-ISOPROPYL-AMINE	38641-94-0	0.1					2	30
GLYPHOSATE-POTASSIUM-SALT	70901-12-1	0.1					2	30
HALOSULFURON-METHYL	100784-20-1	0.01	0.03				0.05	
HEXAZINONE	51235-04-2	0.01	0.02				0.6	4
HYDROPRENE	41096-46-2	0.01					0.2	
IMAZAPIC	104098-48-8	0.01					0.03	
IMIDACLOPRID	138261-41-3	0.05	0.1					
MEFENTRIFLUCONAZOLE	1417782-03-6	0.01					1.5	
METCONAZOLE	125116-23-6	0.02					0.06	
METOLACHLOR	51218-45-2	0.05					0.20	1.5
METSULFURON-METHYL	74223-64-6	0.01	0.02				0.05	
N-OCTYL-BICYLCOHEPTENE-DICARBOXIMIDE	113-48-4	0					5	
OXATHIAPIPROLIN/ZORVEC	1003318-67-9	0.01					0.10	
PARAQUAT	4685-14-7	0.02					0.5	3
PARAQUAT-CHLORIDE	1910-42-5	0.02					0.5	3
PARAQUAT-DIMETHYLSULFATE	2074-50-2	0.02					0.5	3
PENDIMETHALIN	40487-42-1	0.05					0.1	
PERMETHRIN	52645-53-1	0.05				0.1		
PRALLETHRIN	23031-36-9	0.01					1	
PROPICONAZOLE	60207-90-1	0.02					0.4	
PYRACLOSTROBIN	175013-18-0	0.08					0.2	
PYRETHRINS	8003-34-7	0.5					1	
PYRIPROXYFEN	95737-68-1	0.05					1.1	
RESMETHRIN	10453-86-8	0.01					3	
SAFLUFENACIL	372137-35-4	0.03			1		0.05	0.08
SIMAZINE	122-34-9	0.01	0.25					
SODIUM-BROMIDE	7647-15-6	20					125	
SULFENTRAZONE	122836-35-5	0.01					0.15	0.2
SULFOMETURON-METHYL	74222-97-2	0.01					0.1	
SULFONAMIDE	63-74-1	0					1	30
SULFURYL-FLUORIDE	2699-79-8	0.01					2	
TERBACIL	5902-51-2	0.01					0.4	
THIABENDAZOLE	148-79-8	0.01				0.1		
THIAMETHOXAM	153719-23-4	0.01	0.05				0.02	
TRIADIMEFON	43121-43-3	0.01				0.1		
TRIADIMENOL	55219-65-3	0.01				0.1		
TRICLOPYR	55335-06-3	0.01					40	
TRICLOPYR-BUTOXY-ETHYL-ESTER	64700-56-7	0.01					40	
TRICLOPYR-CHOLINE-SALT	1048373-85-8	0.01					40	
TRICLOPYR-TRIETHYL-AMINE	57213-69-1	0.01					40	
TRIFLURALIN	1582-09-8	0.01					0.05	
TRINEXAPAC	104273-73-6	0.5					1.5	5
TRINEXAPAC-ETHYL	95266-40-3	0.5					1.5	5
ZETA-CYPERMETHRIN	1315501-18-8	0.2					0.6	

Annex 13 Pesticide MRLs for citrus fruit

Table A13 *List of active pesticide ingredients and related MRLs (mg/kg) for citrus fruit in relevant non-EU import countries, for which MRLs exceed the EU MRL (mg/kg).*

Pesticide residue	CAS number	EU MRLs	BRAZIL	USA
2.4-D	94-75-7	1		3
4-CHLOROANILINE	106-47-8	0		3
ACEPHATE	30560-19-1	0.01	0.2	0.02
ACEQUINOCYL	57960-19-7	0.2		0.35
ACETAMIPRID	135410-20-7	0.9		1
ACRINATHRIN	101007-06-1	0.02	0.04	
AFIDOPYROPEN	915972-17-7	0.01		0.15
ALKYL-DIMET-E-BENZYL-AMM-CHLOR	85409-23-0	0.01	10	
ALPHA-PINENE	80-56-8	0.01		NO MRL REQUIRED
ALUMINIUM-SULFATE	10043-01-3	0.01		NO MRL REQUIRED
AMETRYN	834-12-8	0.01	0.02	
AMITRAZ	33089-61-1	0.05	0.5	
BENZALKONIUM-CHLORIDE	8001-54-5	0.1	10	
BENZIMIDAZOLE	51-17-2	0.01		10
BETA-CYFLUTHRIN	1820573-27-0	0.02	0.1	0.2
BIFENTHRIN	82657-04-3	0.05	0.07	
BROMACIL	314-40-9	0.01	0.1	0.1
BROMIDE-INORGANIC-CPDS	AI GROUP	30		125
BUPROFEZIN	69327-76-0	0.01	0.3	4
CALCIUM-OXIDE	1305-78-8	0.01		NO MRL REQUIRED
CAPTAN	133-06-2	0.03	15	
CARBARYL	63-25-2	0.01		10
CARBENDAZIM	10605-21-7	0.1	5	
CARFENTRAZONE-ETHYL	128639-02-1	0.01	0.05	0.1
CHLORANTRANILIPROLE/RYNAXYPYR	500008-45-7	0.7		1.4
CHLORFENAPYR	122453-73-0	0.01	0.5	
CHLORFLUAZURON	71422-67-8	0.01	0.1	
CHLOROTHALONIL	1897-45-6	0.01	0.5	
CHLORPYRIFOS	2921-88-2	0.01	2	1
CHOLINE-CHLORIDE	67-48-1	0.01		NO MRL REQUIRED
CHROMAFENOZIDE	143807-66-3	0.01	0.1	
CINNAMALDEHYDE	104-55-2	0.01		NO MRL REQUIRED
CITRAL	5392-40-5	0.01		NO MRL REQUIRED
CLOTHIANIDIN	210880-92-5	0.06	0.3	0.07
CODLEMONE	33956-49-9	0.01		NO MRL REQUIRED
COPPER-SULFATE-BASIC	1344-73-6	20		NO MRL REQUIRED
CRYOLITE	15096-52-3	0.01		7
CYCLANILIPROLE	1031756-98-5	0.01		NO MRL REQUIRED
CYFLUTHRIN	68359-37-5	0.02		0.2
CYHALOTHRIN	68085-85-8	0.01	1	
CYPRODINIL	121552-61-2	0.02	0.5	
DELTAMETHRIN	52918-63-5	0.04	0.1	0.05
DESMETHYLNORFLURAZON	23576-24-1	0		0.2
DIAFENTHIURON	80060-09-9	0.01	0.5	
DIAZINON	333-41-5	0.01	0.7	
DIFLUBENZURON	35367-38-5	0.01	0.2	3
DIFLUOROACETIC-ACID	381-73-7	0.02	1	
DIMETHOATE	60-51-5	0.01	2	
DINOCAP	39300-45-3	0.02	0.05	
DINOTEFURAN	165252-70-0	0.01	0.4	
DISODIUM-OCTABORATE-TETRAHYDRATE	12280-03-4	0.01		NO MRL REQUIRED

Pesticide residue	CAS number	EU MRLs	BRAZIL	USA
DISPARLURE	29804-22-6	0.01		NO MRL REQUIRED
DIURON	330-54-1	0.01	0.1	
DODECYL-ALCOHOL	112-53-8	0.01		NO MRL REQUIRED
DSMA	144-21-8	0.01		0.35
E.Z-2.4-DECADIENOATE-ETHYL	3025-30-7	0.01		NO MRL REQUIRED
ENDOTHALL-DI-SALT	66330-88-9	0.01		0.05
ENDOTHALL-DIPOTAS.-SALT	2164-07-0	0.01		0.05
EPTC	759-94-4	0.01		0.1
ESFENVALERATE	66230-04-4	0.02	0.05	
ETOFENPROX	80844-07-1	1.5		5
FENBUCONAZOLE	114369-43-6	0.5		1
FENBUTATIN-OXIDE	13356-08-6	0.01	2	20
FENPYROXIMATE	134098-61-6	0.5		1
FERBAM	14484-64-1	0.01		4
FLONICAMID	158062-67-0	0.15		1.5
FLORPYRAUXIFEN-BENZYL/RINSKOR	1390661-72-9	0.01		NO MRL REQUIRED
FLUAZIFOP-P-B	79241-46-6	0.01	0.05	0.03
FLUENSULFONE	318290-98-1	0.01	0.2	0.3
FLUMIOXAZIN	103361-09-7	0.02	0.05	0.02
FLUOPYRAM	658066-35-4	0.01		1
FLUORINE-CPDS	AI GROUP	2		7
FLUPYRADIFURONE	951659-40-8	0.01	1	3
FLURIDONE	59756-60-4	0.01		0.1
FLUTIANIL	958647-10-4	0.01		NO MRL REQUIRED
FLUTRIAFOL	76674-21-0	0.01	0.4	
FLUXAPYROXAD	907204-31-3	0.01	0.2	1
FOLPET	133-07-3	0.03	10	
FORMETANATE-HYDROCHLORIDE	23422-53-9	0.01	0.05	
FORMIC-ACID	64-18-6	0.01		NO MRL REQUIRED
GAMMA-AMINOBUTYRIC-ACID	56-12-2	0.01		NO MRL REQUIRED
GLUFOSINATE-AMMONIUM	77182-82-2	0.05		0.15
GLYPHOSATE	1071-83-6	0.1	0.2	0.50
GLYPHOSATE-ETHANOLAMINE-SALT	40465-76-7	0		0.50
HEXAMETHYLENE-TETRAMINE	100-97-0	0.01		NO MRL REQUIRED
HYDROCYANIC-ACID	74-90-8	0.01		50
HYDROPRENE	41096-46-2	0.01		0.2
IMAZALIL	35554-44-0	0.01	5	10
IMAZAMOX	114311-32-9	0.05		NO MRL REQUIRED
INDOL-3-YLACETIC-ACID	87-51-4	0.1		NO MRL REQUIRED
IRON-EDTA	15708-41-5	0.01		NO MRL REQUIRED
ISOBUTYRIC-ACID	79-31-2	0.01		NO MRL REQUIRED
L-GLUTAMIC-ACID	56-86-0	0.01		NO MRL REQUIRED
LAMBDA-CYHALOTHRIN	91465-08-6	0.2	1	
LUFENURON	103055-07-8	0.01	0.5	
M. ANISOPLIAE F52	"	0.01		NO MRL REQUIRED
MALATHION	121-75-5	2	4	
MANDIPROPAMID	374726-62-2	0.01		0.5
METAFLUMIZONE	139968-49-3	0.05	2	
METALAXYL	57837-19-1	0.5		1
METALDEHYDE	108-62-3	0.05		0.26
METHAMIDOPHOS	10265-92-6	0.01	0.2	
METHOPRENE	40596-69-8	0.02		NO MRL REQUIRED
METHOXYFENOZIDE	161050-58-4	2.0		3
MONOCARBAMIDE-DIHYDROGEN-SULFA	21351-39-3	0.01		NO MRL REQUIRED
MSMA	2163-80-6	0.01	0.03	
MYRISTYL-ALCOHOL	112-72-1	0.01		NO MRL REQUIRED
N-OCTYL-BICYLCOHEPTENE-DICARBOXIMIDE	113-48-4	0		5
NALED	300-76-5	0.01		0.5
NITRAPYRIN	1929-82-4	0.01		0.06
NITROGEN	7727-37-9	0.01		NO MRL REQUIRED

Pesticide residue	CAS number	EU MRLs	BRAZIL	USA
NORFLURAZON	27314-13-2	0.01		0.2
NOVALURON	116714-46-6	0.01	0.5	0.01
OMETHOATE	1113-02-6	0.01	2	
ORYZALIN	19044-88-3	0.01		0.05
OXAMYL	23135-22-0	0.01		3
OXATHIAPIPROLIN/ZORVEC	1003318-67-9	0.01		0.06
PARAQUAT-CHLORIDE	1910-42-5	0.02	0.05	0.05
PARAQUAT-DIMETHYLSULFATE	2074-50-2	0.02		0.05
PENDIMETHALIN	40487-42-1	0.05		0.1
PERACETIC-ACID	79-21-0	0.01		NO MRL REQUIRED
PETROLEUM-OIL(GENERIC)	92062-35-6	0.01		NO MRL REQUIRED
PHOSMET	732-11-6	0.5	1	5
PHOSPHONIC-ACID	13598-36-2	75.0		NO MRL REQUIRED
POTASSIUM-PHOSPHONATE	13492-26-7	75.0		NO MRL REQUIRED
POTASSIUM-SILICATE	1312-76-1	0.01		NO MRL REQUIRED
POTASSIUM-SORBATE	24634-61-5	0.01		NO MRL REQUIRED
PRALLETHRIN	23031-36-9	0.01		1
PROPARGITE	2312-35-8	0.01	5	
PROPICONAZOLE	60207-90-1	0.01		8
PROPIONIC-ACID	79-09-4	0.01		NO MRL REQUIRED
PYDIFLUMETOFEN/ADEPIDYN	1228284-64-7	0.01		1
PYRIDABEN	96489-71-3	0.3		0.9
PYRIFLUQUINAZON	337458-27-2	0.01		0.7
PYRIPROXYFEN	95737-68-1	0.6	1	0.5
PYROXASULFONE/AXEEV	447399-55-5	0.01	0.02	
RESMETHRIN	10453-86-8	0.01		3
ROTENONE	83-79-4	0.01		NO MRL REQUIRED
SEMIAMITRAZ	33089-74-6	0.01	0.5	
SETHOXYDIM	74051-80-2	0.1		0.5
SILVER-NITRATE	7761-88-8	0.01		NO MRL REQUIRED
SIMAZINE	122-34-9	0.01	0.02	
SODIUM-5-NITROGUAIACOLATE	67233-85-6	0.03		NO MRL REQUIRED
SODIUM-BROMIDE	7647-15-6	30		125
SODIUM-CARBONATE	497-19-8	0.01		NO MRL REQUIRED
SODIUM-CYANIDE	143-33-9	0.01		50
SODIUM-HYPOCHLORITE	7681-52-9	0.01		NO MRL REQUIRED
SODIUM-LAURYL-SULFATE	151-21-3	0.01		NO MRL REQUIRED
SODIUM-MONONITROPHENOL	824-39-5	0.01		NO MRL REQUIRED
SODIUM-P-NITROPHENOLATE	824-78-2	0.01		NO MRL REQUIRED
SPINETORAM	935545-74-7	0.2		0.3
SPIRODICLOFEN	148477-71-8	0.4		0.5
SPIROMESIFEN	283594-90-1	0.02	0.07	
STREPTOMYCIN	57-92-1	0.01		2
SULFENTRAZONE	122836-35-5	0.01	0.1	0.15
SULFOXAFLOR/ISOCLAST	946578-00-3	0.01	0.3	0.7
SULFURYL-FLUORIDE	2699-79-8	0.01		2
TETRADIFON	116-29-0	0.01	2	
THIACLOPRID	111988-49-9	0.01	0.1	
THIAMETHOXAM	153719-23-4	0.15	1	0.4
THIOPHANATE-METHYL	23564-05-8	0.1	5	
TOLFENPYRAD	129558-76-5	0.01		0.8
TRIFLOXYSTROBIN	141517-21-7	0.5	0.4	0.6
TRIFLOXYSULFURON-SODIUM	199119-58-9	0.01		0.03
TRIFLUMURON	64628-44-0	0.01	0.5	
TRIFLURALIN	1582-09-8	0.01	0.05	0.05
TRYPTOPHAN	73-22-3	0.01		NO MRL REQUIRED
VALERIC-ACID	109-52-4	0.01		NO MRL REQUIRED
Z-8-DODECEN-1-OL	40642-40-8	0.01		NO MRL REQUIRED

Annex 14 Pesticide MRLs for peas

Table A14 *List of pesticide residues and its MRLs (mg/kg) for peas in relevant import countries, for which MRLs exceed the EU MRL (mg/kg).*

Pesticide residue	CAS number	EU MRL	Russia	Ukraine	CODEX	Turkey	USA	Canada
1-METHYLCYCLOPROPENE	438389	0.01					NO MRL REQUIRED	
2-CHLOROETHANOL	107-07-3	0.02					940	
ACEPHATE	30560-19-1	0.01					0.02	
ACETOCHLOR	34256-82-1	0.01			0.02		0.05	
ACRINATHRIN	101007-06-1	0.01				0.05		
ALDRIN	309-00-2	0.01			0.05			
ALPHA-PINENE	80-56-8	0.01					NO MRL REQUIRED	
AL-PHOSPHIDE	20859-73-8	0.01				0.1		
ALUMINIUM-SULFATE	10043-01-3	0.01					NO MRL REQUIRED	
AMINOMETHYLPHOSPHONIC-ACID(AMPA)	1066-51-9	0						5
ATRAZINE	1912-24-9	0.05		0.1				
AZADIRACHTIN	11141-17-6	0.01					NO MRL REQUIRED	
AZOXYSTROBIN	131860-33-8	0.15	3	0.2			0.5	
BENALAXYL-METHYL	98243-83-5	0.05		0.2				
BENTAZONE	25057-89-0	1					3	3
BETA-CYFLUTHRIN	1820573-27-0	0.02		0.05			0.15	
BORIC-ACID	10043-35-3	0.01					NO MRL REQUIRED	
BROMUCONAZOLE	116255-48-2	0.01				0.05		
BUPROFEZIN	69327-76-0	0.01				0.05		
CALCIUM-OXIDE	1305-78-8	0.01					NO MRL REQUIRED	
CARBARYL	63-25-2	0.05					1	
CARBENDAZIM	10605-21-7	0.1		0.15				
CARBETAMIDE	16118-49-3	0.02				0.05		
CARBON-DISULPHIDE	75-15-0	0.01				0.1		
CARBOXIN	5234-68-4	0.03				0.2		
CARFENTRAZONE-ETHYL	128639-02-1	0.01					0.1	
CHLORANTRANILIPROLE/ RYNAXYPYR	500008-45-7	0.01					2	
CHLORDANE	57-74-9	0.01			0.02			
CHLORINE	7782-50-5	0.01		0.1				
CHLORMEQUAT	7003-89-6	0.01				0.05		
CHLORPYRIFOS	2921-88-2	0.01		0.05		0.05	0.05	
CHLORPYRIFOS-METHYL	5598-13-0	0.01				0.05		
CHOLINE-CHLORIDE	67-48-1	0.01					NO MRL REQUIRED	
CINNAMALDEHYDE	104-55-2	0.01					NO MRL REQUIRED	
CITRAL	5392-40-5	0.01					NO MRL REQUIRED	
CLETHODIM	99129-21-2	2	10				3.5	
CODLEMONE	33956-49-9	0.01					NO MRL REQUIRED	
COPPER-HYDROXIDE	20427-59-2	20					NO MRL	

Pesticide residue	CAS number	EU MRL	Russia	Ukraine	CODEX	Turkey	USA	Canada
							REQUIRED	
COPPER-OXIDE	1317-39-1	20					NO MRL REQUIRED	
COPPER-OXYCHLORIDE	1332-40-7	20					NO MRL REQUIRED	
COPPER-SULFATE-BASIC	1344-73-6	20					NO MRL REQUIRED	
CRYOLITE	15096-52-3	0.01					70	
CYANTRANILIPROLE	736994-63-1	0.01					1	
CYCLANILIPROLE	1031756-98-5	0.01					NO MRL REQUIRED	
CYFLUFENAMID	180409-60-3	0.01				0.02		
CYFLUTHRIN	68359-37-5	0.02					0.15	
CYHALOTHRIN	68085-85-8	0.01			0.05			
CYMOXANIL	57966-95-7	0.05				0.5		
CYPROCONAZOLE	94361-06-5	0.08		0.2	0.02			
DAZOMET	533-74-4	0.02		0.5				
DIAZINON	333-41-5	0.01		0.1				
DICHLORMID	37764-25-3	0.01					0.05	
DIELDRIN	60-57-1	0.01			0.05			
DIFENOCONAZOLE	119446-68-3	0.15					0.2	
DIFLUBENZURON	35367-38-5	0.01				0.05		
DIMETHACHLOR	50563-36-5	0.01				0.02		
DIMETHOATE	60-51-5	0.01		0.2		0.02	2	0.5
DIQUAT	2764-72-9	0.3			0.9		0.9	
DISODIUM-OCTABORATE-TETRAHYDRATE	12280-03-4	0.01					NO MRL REQUIRED	
DISPARLURE	29804-22-6	0.01					NO MRL REQUIRED	
DIURON	330-54-1	0.01	0				0.1	
DODECYL-ALCOHOL	112-53-8	0.01					NO MRL REQUIRED	
E.Z-2.4-DECADIENOATE-ETHYL	3025-30-7	0.01					NO MRL REQUIRED	
E-8-DODECEN-1YL-AC.	38363-29-0	0.01					NO MRL REQUIRED	
ENDOSULFAN	115-29-7	0.05						0.5
ENDOTHALL-DIPOTAS.-SALT	2164-07-0	0.01					0.2	
ENDOTHALL-DI-SALT	66330-88-9	0.01					0.2	
ESFENVALERATE	66230-04-4	0.02		0.1			0.25	
ETEM	33813-20-6	0.01		0.3				
ETHALFLURALIN	55283-68-6	0.01					0.05	
ETHIOFENCARB	29973-13-5	0.01		0.2				
ETHOXYSULFURON	126801-58-9	0.01				0.02		
ETHYLENE-OXIDE	75-21-8	0.02					7	
ETHYLENE-THIOUREA	96-45-7	0	0	0.02				
ETOFENPROX	80844-07-1	0.01				0.50	5.0	
ETRIMFOS	38260-54-7	0.01		0.2				
FENAZAQUIN	120928-09-8	0.01					0.3	
FENBUCONAZOLE	114369-43-6	0.01				0.05		
FENBUTATIN-OXIDE	13356-08-6	0.01				0.05		
FENOXAPROP-P-ETHYL	71283-80-2	0.1		0.2				
FENOXYCARB	72490-01-8	0.01				0.05		
FENPROPIMORPH	67564-91-4	0.01				0.05		
FENPYROXIMATE	134098-61-6	0.01				0.05		
FENTHION	55-38-9	0.01		0.15				
FENVALERATE	51630-58-1	0.02		0.1				
FERBAM	14484-64-1	0.01						7

Pesticide residue	CAS number	EU MRL	Russia	Ukraine	CODEX	Turkey	USA	Canada
FLONICAMID	158062-67-0	0.03			1		3	
FLORPYRAUXIFEN-BENZYL/RINSKOR	1390661-72-9	0.01					NO MRL REQUIRED	
FLUAZINAM	79622-59-6	0.02				0.05		
FLUDIOXONIL	131341-86-1	0.4		0.2	0.07		0.01	
FLUMIOXAZIN	103361-09-7	0.02			0.07		0.07	
FLUOMETURON	2164-17-2	0.005				0.01		
FLUOPYRAM	658066-35-4	0.4			0.7		0.7	
FLUORINE-CPDS	AI GROUP	2					70	
FLUOXASTROBIN	361377-29-9	0.01					0.2	
FLUPYRADIFURONE	951659-40-8	0.01			3		3	
FLUQUINCONAZOLE	136426-54-5	0.01				0.05		
FLURIDONE	59756-60-4	0.01					0.1	
FLUROCHLORIDONE	61213-25-0	0.01				0.1		
FLUTIANIL	958647-10-4	0.01					NO MRL REQUIRED	
FLUTRIAFOL	76674-21-0	0.01		0.4				
FOMESAFEN	72178-02-0	0.01					0.05	
FORMIC-ACID	64-18-6	0.01					NO MRL REQUIRED	
GAMMA-AMINOBUTYRIC-ACID	56-12-2	0.01					NO MRL REQUIRED	
GAMMA-CYHALOTHRIN	76703-62-3	0.05					0.1	
GLUFOSINATE	51276-47-2	0.03						3
GLUFOSINATE-AMMONIUM	77182-82-2	0.03						3
GLYPHOSATE-TRIMESIUM	81591-81-3	0.05				10		3
HALOXYFOP	69806-34-4	0.15			0.2			
HALOXYFOP-ETHOXYETHYL	87237-48-7	0.15			0.2			
HALOXYFOP-P-METHYL	72619-32-0	0.15			0.2			
HEPTACHLOR	76-44-8	0.01		0.2				
HEPTENOPHOS	23560-59-0	0.01		0.1				
HEXAMETHYLENE-TETRAMINE	100-97-0	0.01					NO MRL REQUIRED	
HYDROPRENE	41096-46-2	0.01					0.2	
IMAZALIL	35554-44-0	0.01		0.05		0.05		
IMAZAMOX	114311-32-9	0.05					NO MRL REQUIRED	
IMAZETHAPYR	81335-77-5	0.01		0.1			0.1	0.1
IMAZETHAPYR-AMMONIUM	101917-66-2	0.01		0.1			0.1	0.1
IMIDACLOPRID	138261-41-3	2					4	
INDOL-3-YLACETIC-ACID	87-51-4	0.1					NO MRL REQUIRED	
INDOL-3-YLBUTYRIC-ACID	133-32-4	0.1					NO MRL REQUIRED	
IPCONAZOLE	125225-28-7	0.01					0.01	
IPRODIONE	36734-19-7	0.01				0.2		
IRON-EDTA	15708-41-5	0.01					NO MRL REQUIRED	
ISOBUTYRIC-ACID	79-31-2	0.01					NO MRL REQUIRED	
ISOFETAMID	875915-78-9	0.01					0.040	
LAMBDA-CYHALOTHRIN	91465-08-6	0.05					0.10	
L-GLUTAMIC-ACID	56-86-0	0.01					NO MRL REQUIRED	
LINURON	330-55-2	0.01				0.05	0.09	
LUFENURON	103055-07-8	0.01				0.02		
M. ANISOPLIAE F52	67892-13-1	0.01					NO MRL REQUIRED	
MAGNESIUM-PHOSPHIDE	12057-74-8	0.01				0.1		

Pesticide residue	CAS number	EU MRL	Russia	Ukraine	CODEX	Turkey	USA	Canada
MALATHION	121-75-5	0.02		3			8	0.5
MEFENTRIFLUCONAZOLE	1417782-03-6	0.01					0.15	
MENAZON	78-57-9	0.01	1	1				
METALAXYL	57837-19-1	0.02		0.2		0.05	0.2	0.2
METALAXYL-METHYL	70630-17-0	0.02		0.2		0.05		0.2
METCONAZOLE	125116-23-6	0.15		0.2			0.15	
METHOMYL	16752-77-5	0.01				0.02	5	
METHOPRENE	40596-69-8	0.05					NO MRL REQUIRED	
METOLACHLOR	51218-45-2	0.05					0.30	
M-ISOTHIOCYANATE	556-61-6	0.01				0.02		
MONOCARBAMIDE-DIHYDROGEN-SULFA	21351-39-3	0.01					NO MRL REQUIRED	
MYCLOBUTANIL	88671-89-0	0.01				0.02	0.03	
MYRISTYL-ALCOHOL	112-72-1	0.01					NO MRL REQUIRED	
NALED	300-76-5	0.01		0.1			0.5	0.5
NAPROPAMIDE	15299-99-7	0.01				0.05		
NITROGEN	7727-37-9	0.01					NO MRL REQUIRED	
N-OCTYL-BICYLCOHEPTENE-DICARBOXIMIDE	113-48-4	0					5	
OMETHOATE	1113-02-6	0.01				0.02	2	0.5
ORTHO-PHENYL-PHENOL	90-43-7	0.02				0.05		
OXATHIAPIPROLIN/ZORVEC	1003318-67-9	0.01					0.1	
PACLOBUTRAZOL	76738-62-0	0.01				0.02		
PARAQUAT	4685-14-7	0.02			0.5		0.3	
PARAQUAT-CHLORIDE	1910-42-5	0.02					0.3	
PARAQUAT-DIMETHYLSULFATE	2074-50-2	0.02					0.3	
PARATHION-METHYL	298-00-0	0.01			0.3			
PEBULATE	1114-71-2	0.01		0.05				
PENCONAZOLE	66246-88-6	0.01				0.05		
PENCYCURON	66063-05-6	0.02				0.05		
PENFLUFEN	494793-67-8	0.15					0.01	
PENTHIOPYRAD	183675-82-3	0.3					0.4	
PERACETIC-ACID	79-21-0	0.01					NO MRL REQUIRED	
PERCHLORATE-ION	14797-73-0	0.05				0.1		
PETROLEUM-OIL(GENERIC)	92062-35-6	0.01					NO MRL REQUIRED	
PHOSALONE	2310-17-0	0.01		0.2				
PHOSMET	732-11-6	0.05					0.5	
PHOSPHINE	7803-51-2	0.01					0.01	
PHOSPHONIC-ACID	13598-36-2	2					NO MRL REQUIRED	
PHOXIM	14816-18-3	0.01		0.05				
PICOXYSTROBIN	117428-22-5	0.01		0.1	0.06		0.06	
PIPERONYL-BUTOXIDE	51-03-6	0			0.2		8	8
PIRIMIPHOS-METHYL	29232-93-7	0.01		0.2				
POTASSIUM-PHOSPHONATE	13492-26-7	2					NO MRL REQUIRED	
POTASSIUM-SILICATE	1312-76-1	0.01					NO MRL REQUIRED	
POTASSIUM-SORBATE	24634-61-5	0.01					NO MRL REQUIRED	
PRALLETHRIN	23031-36-9	0.01					1	
PROCHLORAZ	67747-09-5	0.03				0.3		

Pesticide residue	CAS number	EU MRL	Russia	Ukraine	CODEX	Turkey	USA	Canada
PROFOXYDIM	139001-49-3	0.01				0.05		
PROMETRYN	7287-19-6	0.01		0.1				
PROPACHLOR	1918-16-7	0.02		0.2				
PROPAZINE	139-40-2	0.01		0.2				
PROPICONAZOLE	60207-90-1	0.01		0.05				
PROPIONIC-ACID	79-09-4	0.01					NO MRL REQUIRED	
PROPISOCHLOR	86763-47-5	0.01		0.2				
PROPYZAMIDE	23950-58-5	0.01					0.05	
PYDIFLUMETOFEN/ADEPIDYN	1228284-64-7	0.01					0.4	
PYRACLOSTROBIN	175013-18-0	0.3					0.5	
PYRIDABEN	96489-71-3	0.01				0.05		
PYRIPROXYFEN	95737-68-1	0.05					0.2	
PYROXASULFONE/AXEEV	447399-55-5	0.01					0.15	
QUIZALOFOP	76578-12-6	0.2				0.4	0.25	
QUIZALOFOP-ETHYL	76578-14-8	0.2					0.25	0.05
QUIZALOFOP-P	94051-08-8	0.2				0.4		
QUIZALOFOP-P-ETHYL	100646-51-3	0.2		0.4		0.4		
QUIZALOFOP-P-T	119738-06-6	0.2				0.4		
RESMETHRIN	10453-86-8	0.02					3	
ROTENONE	83-79-4	0.01					NO MRL REQUIRED	
SAFLUFENACIL	372137-35-4	0.1			0.3		0.30	
SETHOXYDIM	74051-80-2	0.01				2	25	10
SILVER-NITRATE	7761-88-8	0.01					NO MRL REQUIRED	
S-METOLACHLOR	87392-12-9	0.05		0.2			0.30	0.3
SODIUM-5-NITROGUAIACOLATE	67233-85-6	0.03					NO MRL REQUIRED	
SODIUM-CARBONATE	497-19-8	0.01					NO MRL REQUIRED	
SODIUM-HYPOCHLORITE	7681-52-9	0.01					NO MRL REQUIRED	
SODIUM-LAURYL-SULFATE	151-21-3	0.01					NO MRL REQUIRED	
SODIUM-MONONITROPHENOL	824-39-5	0.01					NO MRL REQUIRED	
SODIUM-O-BENZYL-P-CHLOROPHENOX	3184-65-4	0				0.01		
SODIUM-ORTHO-PHENYL-PHENOL	132-27-4	0.02				0.05		
SODIUM-P-NITROPHENOLATE	824-78-2	0.01					NO MRL REQUIRED	
SPIROMESIFEN	283594-90-1	0.02					0.2	
SPIROTETRAMAT	203313-25-1	2					2.5	
SULCOTRIONE	99105-77-8	0.02				0.05		
SULFENTRAZONE	122836-35-5	0.01					0.15	
SULFURYL-FLUORIDE	2699-79-8	0.01					0.5	
TAU-FLUVALINATE	102851-06-9	0.01				0.02		
TEBUFENOZIDE	112410-23-8	0.01				0.05		
TEBUFENPYRAD	119168-77-3	0.01				0.05		
TEMEPHOS	3383-96-8	0.01		0.3				
TEPRALOXYDIM	149979-41-9	0.1				0.6		0.1
TETRACONAZOLE	112281-77-3	0.02					0.09	
TETRADIFON	116-29-0	0.01		0.7				
THIABENDAZOLE	148-79-8	0.01		0.4		0.05	0.02	
THIAMETHOXAM	153719-23-4	0.04		0.4				
THIODICARB	59669-26-0	0.01				0.02		

Pesticide residue	CAS number	EU MRL	Russia	Ukraine	CODEX	Turkey	USA	Canada
TRIADIMEFON	43121-43-3	0.01				0.1		
TRIADIMENOL	55219-65-3	0.01				0.1		
TRIALLATE	2303-17-5	0.1					0.2	
TRIASULFURON	82097-50-5	0.01				0.05		
TRIAZOXIDE	72459-58-6	0.003				0.01		
TRICHLORFON	52-68-6	0.01		0.05				
TRICLOPYR	55335-06-3	0.01				0.1		
TRICYCLAZOLE	41814-78-2	0.01				0.05		
TRIFLUMIZOLE	68694-11-1	0.02				0.10		
TRIFLUMURON	64628-44-0	0.01				0.05		
TRIFLURALIN	1582-09-8	0.01					0.05	
TRYPTOPHAN	73-22-3	0.01					NO MRL REQUIRED	
VALERIC-ACID	109-52-4	0.01					NO MRL REQUIRED	
Z-8-DODECEN-1-OL	40642-40-8	0.01					NO MRL REQUIRED	
Z-8-DODECEN-1-YL-ACETATE	28079-04-1	0.01					NO MRL REQUIRED	
ZINC-PHOSPHIDE	1314-84-7	0.01				0.1		
ZINEB	12122-67-7	0.01		0.2				
ZIRAM	137-30-4	0.1						7

Annex 15 Prioritised pesticide residues

Table A15 *List of active ingredients that have higher MRLs for the relevant feed materials in one or more non-EU import countries*

Pesticide residue	Feed commodity
1.4-DIMETHYLNAPHTHALENE	Sugar beet
1-METHYLCYCLOPROPENE	Wheat, Sugar beet, Peas
2.2-DPA(DALAPON)	Barley, Lupins, Sugar beet
2.4-D	Maize, Barley, Soya, Sugar beet, Sugar cane, Citrus
2.4-DB	Soya, Lupins
2.4-DP-P	Maize
2-CHLOROETHANOL	Peas
2-OXY-2.5-DIHYDROFURANE	Wheat, Maize, Barley
3-HYDROXYCARBOFURAN	Maize, Barley, Rapeseed, Sunflower seed, Sugar beet, Sugar cane
3-HYDROXYCARBOFURAN-7-OL	Sugar cane
3-KETOCARBOFURAN-PHENOL	Sugar cane
4-CHLOROANILINE	Soya, Citrus
ACEPHATE	Wheat, Maize, Soya, Sunflower seed, Sugar beet, Sugar cane, Citrus, Peas
ACEQUINOCYL	Citrus
ACETAMIPRID	Wheat, Maize, Barley, Oat, Soya, Sunflower seed, Sugar beet, Citrus
ACETOCHLOR	Wheat, Maize, Oat, Soya, Rapeseed, Sunflower seed, Sugar beet, Peas
ACIBENZOLAR-S-METHYL	Wheat, Maize, Barley, Oat
ACIFLUORFEN	Soya, Lupins
ACIFLUORFEN-NA	Soya
ACLONIFEN	Wheat, Sunflower seed, Linseed
ACRINATHRIN	Wheat, Sunflower seed, Linseed, Citrus, Peas
AFIDOPYROPEN	Barley, Rapeseed, Lupins, Citrus
ALACHLOR	Wheat, Maize, Soya, Sunflower seed
ALDICARB	Sugar cane
ALDOXYCARB	Sugar cane
ALDRIN	Wheat, Maize, Barley, Oat, Triticale, Soya, Sugar beet, Sugar cane, Peas
ALLOXYDIM-SODIUM	Sugar beet
ALPHA-CYPERMETHRIN	Soya, Rapeseed
ALPHA-PINENE	Wheat, Sugar beet, Citrus, Peas
AL-PHOSPHIDE	Wheat, Barley, Oat, Triticale, Soya, Sunflower seed, Peas
ALUMINIUM-PHOSPHITE	Wheat, Maize, Barley, Oat, Triticale, Sunflower seed
ALUMINIUM-SULFATE	Wheat, Sugar beet, Citrus, Peas
AMETOCTRADIN	Barley, Rapeseed, Lupins
AMETRYN	Maize, Sugar cane, Citrus
AMICARBAZONE	Wheat, Maize, Soya
AMIDOSULFURON	Wheat, Maize, Barley, Oat, Triticale
AMINOBUTANE	Soya
AMINOMETHYLPHOSPHONIC-ACID(AMPA)	Linseed, peas
AMINOPYRALID	Maize, Lupins
AMIPHOS	Sugar beet
AMISULBROM	Barley, Rapeseed, Lupins
AMITRAZ	Citrus
ASULAM	Sugar cane
ATRAZINE	Wheat, Maize, Barley, Oat, Triticale, Sugar cane, Peas
AZADIRACHTIN	Wheat, Sugar beet, Peas
AZAMETHIPHOS	Barley
AZOXYSTROBIN	Maize, Lupins, Linseed, Sugar beet, Sugar cane, Peas
BENALAXYL-METHYL	Peas
BENAZOLIN-ETHYL	Soya, Rapeseed, Sunflower seed
BENDIOCARB	Maize, Sugar beet

Pesticide residue	Feed commodity
BENOMYL	Wheat, Maize, Lupins
BENSULTAP	Wheat, Maize, Barley
BENTAZONE	Soya, Linseed, Peas
BENZALKONIUM-CHLORIDE	Citrus
BENZIMIDAZOLE	Soya, Citrus
BENZOVINDIFLUPYR	Wheat, Maize, Sugar cane
BENZOYLPROP-E	Barley, Oat
BENZOYLPROP-ETHYL	Wheat, Maize, Triticale
BENZYLADENINE	Wheat
BETA-CYFLUTHRIN	Wheat, Maize, Barley, Triticale, Soya, Rapeseed, Sunflower seed, Lupins, Sugar beet, Sugar cane, Citrus, Peas
BETA-CYPERMETHRIN	Soya
BETA-DIHYDROHEPTACHLOR	Sugar beet
BIFENAZATE	Barley, Rapeseed, Lupins
BIFENTHRIN	Maize, Barley, Oat, Rapeseed, Sunflower seed, Linseed, Sugar beet, Sugar cane, Citrus
BIORESMETHRIN	Wheat, Maize, Barley
BISTRIFLURON	Soya
BITERTANOL	Wheat, Maize, Barley, Oat
BIXAFEN	Wheat, Maize, Barley, Triticale, Soya, Lupins, Sugar beet
BORIC-ACID	Wheat, Sugar beet, Peas
BOSCALID	Maize, Rapeseed, Linseed, Sugar beet
BROMACIL	Citrus
BROMIDE-INORGANIC-CPDS	Barley, Soya, Linseed, Sugar beet, Sugar cane, Citrus
BROMOPHOS	Sunflower seed, Linseed
BROMOXYNIL	Barley, Soya, Rapeseed, Lupins, Linseed
BROMOXYNIL-HEPTANOATE	Linseed
BROMOXYNIL-OCTANOATE	Linseed
BROMUCONAZOLE	Maize, Barley, Oat, Soya, Sunflower seed, Linseed, Peas
BUPROFEZIN	Wheat, Soya, Sunflower seed, Linseed, Citrus, Peas
BUTAFENACIL	Barley
BUTYLATE	Maize
CALCIUM-OXIDE	Wheat, Sugar beet, Citrus, Peas
CALCIUM-PHOSPHIDE	Wheat, Maize, Barley, Oat, Soya
CAPTAN	Maize, Barley, Soya, Rapeseed, Lupins, Sugar beet, Citrus
CARBARYL	Barley, Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar beet, Sugar cane, Citrus, Peas
CARBENDAZIM	Wheat, Maize, Triticale, Soya, Lupins, Citrus, Peas
CARBETAMIDE	Wheat, Sunflower seed, Linseed, Peas
CARBOFURAN	Maize, Barley, Rapeseed, Sunflower seed, Sugar beet, Sugar cane
CARBOFURAN-PHENOL	Sugar cane
CARBON-DISULPHIDE	Wheat, Maize, Barley, Oat, Triticale, Sunflower seed, Lupins, Linseed, Peas
CARBONYL-SULPHIDE	Barley, Rapeseed, Lupins
CARBOSULFAN	Maize, Barley, Sugar beet
CARBOXIN	Wheat, Maize, Barley, Oat, Triticale, Soya, Sunflower seed, Linseed, Peas
CARFENTRAZONE-E	Barley, Oat
CARFENTRAZONE-ETHYL	Wheat, Maize, Triticale, Soya, Linseed, Sugar beet, Sugar cane, Citrus, Peas
CARTAP-HCL	Soya
CHLORANTRANILIPROLE/RYNAXYPYR	Wheat, Maize, Barley, Soya, Lupins, Linseed, Sugar beet, Sugar cane, Citrus, Peas
CHLORBROMURON	Wheat, Maize, Barley, Oat, Triticale
CHLORDANE	Wheat, Maize, Barley, Oat, Lupins, Linseed, Sugar beet, Sugar cane, Peas
CHLORFENAPYR	Maize, Soya, Citrus
CHLORFENPROP-METHYL	Wheat
CHLORFLUAZURON	Soya, Citrus
CHLORIDAZON	Sugar beet
CHLORIMURON-ETHYL	Wheat, Soya
CHLORINE	Wheat, Maize, Barley, Oat, Triticale, Peas
CHLORMEQUAT	Maize, Sunflower seed, Linseed, Sugar cane, Peas

Pesticide residue	Feed commodity
CHLORMEQUAT-CHLORIDE	Maize
CHLOROPICRIN	Wheat, Maize, Barley, Oat, Triticale, Soya
CHLOROTHALONIL	Maize, Soya, Lupins, Sugar beet, Citrus
CHLORPYRIFOS	Wheat, Maize, Barley, Oat, Triticale, Soya, Rapeseed, Sunflower seed, Linseed, Sugar beet, Sugar cane, Citrus, Peas
CHLORPYRIFOS-M	Barley
CHLORPYRIFOS-METHYL	Wheat, Rapeseed, Sunflower seed, Lupins, Linseed, Peas
CHLORSULFOXIM	Wheat, Barley
CHLORTHAL-DIMETHYL(DCPA)	Maize, Soya, Lupins
CHLORTOLURON	Maize
CHOLINE-CHLORIDE	Wheat, Sugar beet, Citrus, Peas
CHROMAFENOZIDE	Maize, Soya, Citrus
CINIDON-E	Barley, Oat
CINIDON-ETHYL	Wheat, Maize, Triticale, Sunflower seed, Linseed
CINNAMALDEHYDE	Wheat, Sugar beet, Citrus, Peas
CIS-FENVALERATE	Barley, Lupins
CITRAL	Wheat, Sugar beet, Citrus, Peas
CLETHODIM	Maize, Linseed, Sugar beet, Peas
CLODINAFOP-P	Wheat, Maize, Barley, Oat, Triticale
CLOMAZONE	Maize, Soya, Rapeseed, Sunflower seed, Linseed, Sugar beet, Sugar cane
CLOPYRALID	Wheat, Rapeseed, Sugar beet
CLOQUINTOCET	Barley
CLOQUINTOCET-MEXYL	Wheat, Maize, Barley
CLORANSULAM-METHYL	Soya
CLOTHIANIDIN	Wheat, Maize, Barley, Rapeseed, Sunflower seed, Lupins, Sugar beet, Citrus
CODLEMONE	Wheat, Sugar beet, Citrus, Peas
COPPER(CU)	Sugar cane
COPPER-8-OXYQUINOLATE	Barley, Sunflower seed
COPPER-CPDS	Linseed
COPPER-HYDROXIDE	Wheat, Maize, Barley, Sugar beet, Peas
COPPER-OXIDE	Wheat, Sugar beet, Peas
COPPER-OXYCHLORIDE	Wheat, Linseed, Sugar beet, Peas
COPPER-OXYCHLORIDE-SULFATE	Linseed
COPPER-SULFATE	Linseed
COPPER-SULFATE-BASIC	Wheat, Linseed, Sugar beet, Citrus, Peas
CRYOLITE	Wheat, Maize, Soya, Linseed, Sugar beet, Sugar cane, Citrus, Peas
CUFRANEB	Sugar beet
CYANAMIDE	Sugar cane
CYANTRANILIPROLE	Maize, Barley, Soya, Rapeseed, Lupins, Linseed, Peas
CYAZOFAMID	Barley, Rapeseed, Lupins
CYCLANILIPROLE	Wheat, Soya, Sugar beet, Citrus, Peas
CYCLOATE	Sugar beet
CYFLUFENAMID	Wheat, Maize, Triticale, Rapeseed, Sunflower seed, Linseed, Peas
CYFLUTHRIN	Wheat, Barley, Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar beet, Sugar cane, Citrus, Peas
CYHALOTHRIN	Wheat, Maize, Barley, Oat, Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar cane, Citrus, Peas
CYMOXANIL	Wheat, Maize, Barley, Oat, Triticale, Sunflower seed, Linseed, Peas
CYPERMETHRIN	Soya
CYPROCONAZOLE	Maize, Sunflower seed, Peas
CYPRODINIL	Maize, Soya, Rapeseed, Sunflower seed, Citrus
CYPROSULFAMIDE	Maize
DAZOMET	Peas
DDT	Wheat, Maize, Barley, Oat, Triticale, Sunflower seed, Lupins, Linseed
DEETHYL-ATRAZINE	Maize, Sugar cane
DELTAMETHRIN	Wheat, Triticale, Soya, Sunflower seed, Linseed, Sugar beet, Sugar cane, Citrus
DEMETON	Wheat, Maize, Barley
DEMETON-S	Maize, Oat, Sugar beet

Pesticide residue	Feed commodity
DESMEDIPHAM	Sugar beet
DESMETHYLNORFLURAZON	Soya, Citrus
DIAFENTHIURON	Maize, Soya, Citrus
DIAZINON	Wheat, Maize, Barley, Oat, Triticale, Lupins, Citrus, Peas
DICAMBA-DIMETHYLAMINE-SALT	Barley
DICAMBA-POTASSIUM-SALT	Barley
DICHLOBENIL	Barley
DICHLORMID	Maize, Soya, Sugar beet, Peas
DICHLORVOS	Wheat, Maize, Barley, Oat, Triticale
DICLOBUTRAZOL	Wheat, Maize, Barley
DICLOFOP-M	Barley
DICLOFOP-METHYL	Rapeseed, Lupins
DICLOSULAM	Soya
DICOFOL	Lupins
DIELDRIN	Wheat, Maize, Barley, Oat, Triticale, Soya, Sugar beet, Sugar cane, Peas
DIFENOCONAZOLE	Maize, Soya, Sunflower seed, Sugar beet, Peas
DIFLUBENZURON	Wheat, Maize, Oat, Soya, Sunflower seed, Linseed, Citrus, Peas
DIFLUFENICAN	Wheat, Maize, Barley, Sunflower seed, Lupins
DIFLUFENZOPYR	Maize
DIFLUOROACETIC-ACID	Soya, Citrus
DIMETHACHLOR	Wheat, Sunflower seed, Linseed, Peas
DIMETHENAMID	Maize, Soya, Sunflower seed, Lupins, Sugar beet
DIMETHENAMID-P	Maize, Rapeseed, Sunflower seed, Lupins
DIMETHOATE	Wheat, Maize, Barley, Oat, Triticale, Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar beet, Citrus, Peas
DIMETHOMORPH	Barley, Rapeseed, Sunflower seed, Lupins
DINICONAZOLE	Wheat, Maize, Barley, Oat, Triticale
DINOBUTON	Sugar beet
DINOCAP	Citrus
DINOTEFURAN	Barley, Soya, Rapeseed, Lupins, Citrus
DIQUAT	Wheat, Maize, Barley, Triticale, Soya, Rapeseed, Sunflower seed, Lupins, Sugar beet, Sugar cane, Peas
DIQUAT-DIBROMIDE	Barley, Rapeseed, Sunflower seed
DISODIUM-OCTABORATE-TETRAHYDRATE	Wheat, Sugar beet, Citrus, Peas
DISPARLURE	Wheat, Sugar beet, Citrus, Peas
DISULFOTON	Wheat, Sugar beet
DITALIMFOS	Wheat, Maize, Barley, Oat, Triticale
DITHIOCARBAMATES	Maize, Lupins
DIURON	Wheat, Maize, Barley, Soya, Rapeseed, Lupins, Sugar beet, Sugar cane, Citrus, Peas
DODECYL-ALCOHOL	Wheat, Sugar beet, Citrus, Peas
DSMA	Citrus
E.Z-2.4-DECADIENOATE-ETHYL	Wheat, Sugar beet, Citrus, Peas
E-8-DODECEN-1YL-AC.	Wheat, Sugar beet, Peas
EDILE	Sunflower seed
ENDOSULFAN	Soya, Peas
ENDOTHAL-DIPOTAS.-SALT	Sugar beet
ENDOTHAL-DI-SALT	Sugar beet
ENDOTHALL-DIPOTAS.-SALT	Wheat, Maize, Soya, Linseed, Sugar cane, Citrus, Peas
ENDOTHALL-DI-SALT	Wheat, Maize, Soya, Linseed, Sugar cane, Citrus, Peas
EPTC	Maize, Barley, Rapeseed, Lupins, Linseed, Sugar beet, Citrus
ESFENVALERATE	Maize, Barley, Rapeseed, Sunflower seed, Lupins, Sugar beet, Sugar cane, Citrus, Peas
ETAPHOS	Sunflower seed, Sugar beet
ETEM	Wheat, Maize, Barley, Oat, Triticale, Rapeseed, Sunflower seed, Peas
ETHALFLURALIN	Soya, Sunflower seed, Linseed, Peas
ETHAMETSULFURON	Rapeseed
ETHAMETSULFURON-METHYL	Sunflower seed
ETHANEDIOL	Wheat, Sunflower seed, Linseed

Pesticide residue	Feed commodity
ETHEPHON	Wheat, Maize, Oat, Sugar beet, Sugar cane
ETHIOFENCARB	Wheat, Maize, Barley, Oat, Triticale, Sugar beet, Peas
ETHION	Soya
ETHIPROLE	Soya
ETHOFUMESATE	Sugar beet
ETHOXYSULFURON	Wheat, Peas
ETHYLENE-1.2-BISDITHIOCARBAMAT	Wheat, Maize
ETHYLENE-DICHLORIDE	Barley
ETHYLENE-OXIDE	Peas
ETHYLENE-THIOUREA	Wheat, Maize, Barley, Oat, Triticale, Rapeseed, Sunflower seed, Linseed, Sugar beet, Peas
ETHYL-HYDROXYMTHYL-FURYL-DIOXA	Wheat, Maize, Barley
ETHYLMERCURY-CHLORIDE	Wheat, Sugar beet
ETOFENPROX	Wheat, Maize, Soya, Linseed, Sugar beet, Sugar cane, Citrus, Peas
ETOXAZOLE	Barley, Soya, Rapeseed, Lupins, Sugar beet
ETRIMFOS	Wheat, Maize, Barley, Oat, Triticale, Sunflower seed, Peas
FAMOXADONE	Wheat, Maize, Sunflower seed
FENAMIDONE	Wheat, Maize, Soya, Sunflower seed, Sugar beet
FENARIMOL	Soya
FENAZAQUIN	Peas
FENBUCONAZOLE	Wheat, Maize, Soya, Lupins, Linseed, Sugar beet, Citrus, Peas
FENBUTATIN-OXIDE	Wheat, Sunflower seed, Linseed, Citrus, Peas
FENHEXAMID	Barley, Rapeseed, Lupins
FENITROTHION	Wheat, Maize, Barley, Oat, Triticale, Soya, Rapeseed, Sunflower seed, Lupins, Sugar beet
FENOXAPROP	Soya
FENOXAPROP-E	Barley
FENOXAPROP-ETHYL	Soya, Rapeseed, Sunflower seed
FENOXAPROP-P-E	Barley, Oat
FENOXAPROP-P-ETHYL	Wheat, Maize, Triticale, Rapeseed, Sunflower seed, Peas
FENOXYCARB	Wheat, Barley, Rapeseed, Sunflower seed, Lupins, Linseed, Peas
FENPROPATHRIN	Maize, Soya, Sunflower seed, Sugar cane
FENPROPIDIN	Wheat, Maize
FENPROPIMORPH	Wheat, Maize, Barley, Triticale, Soya, Sunflower seed, Linseed, Sugar beet, Peas
FENPYRAZAMINE	Barley, Rapeseed, Lupins
FENPYROXIMATE	Wheat, Maize, Barley, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar beet, Citrus, Peas
FENTHION	Wheat, Maize, Barley, Oat, Triticale, Sugar beet, Peas
FENTIN-HYDROXIDE	Sugar beet
FENVALERATE	Wheat, Maize, Barley, Soya, Rapeseed, Sunflower seed, Lupins, Sugar beet, Peas
FERBAM	Sugar beet, Citrus, Peas
FIPRONIL	Maize, Soya, Rapeseed, Sunflower seed, Sugar beet, Sugar cane
FLAMPROP-ISOPROPYL	Wheat, Maize, Barley
FLAMPROP-M-ISOPROPYL	Wheat, Maize, Barley, Oat, Triticale
FLAMPROP-M-M	Barley
FLAMPROP-M-METHYL	Wheat, Maize
FLONICAMID	Rapeseed, Lupins, Linseed, Citrus, Peas
FLORASULAM	Wheat, Maize, Barley
FLORPYRAUXIFEN-BENZYL/RINSKOR	Wheat, Sugar beet, Citrus, Peas
FLUAZIFOP	Barley
FLUAZIFOP-B	Barley
FLUAZIFOP-P	Sunflower seed, Sugar beet
FLUAZIFOP-P-B	Barley, Sunflower seed, Citrus
FLUAZIFOP-P-BUTYL	Sugar beet
FLUAZINAM	Wheat, Sunflower seed, Linseed, Peas
FLUBENDIAMIDE	Maize, Barley, Rapeseed, Sunflower seed, Sugar cane
FLUCARBAZONE-NA	Wheat, Maize, Barley, Oat, Triticale, Sunflower seed

Pesticide residue	Feed commodity
FLUDIOXONIL	Wheat, Maize, Barley, Oat, Triticale, Rapeseed, Sunflower seed, Linseed, Sugar beet, Peas
FLUENSULFONE	Wheat, Maize, Barley, Soya, Rapeseed, Lupins, Sugar beet, Sugar cane, Citrus
FLUFENACET	Soya
FLUMETSULAM	Wheat, Maize, Barley, Oat, Triticale, Soya, Lupins
FLUMICLORAC-P	Soya
FLUMIOXAZIN	Maize, Barley, Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar cane, Citrus, Peas
FLUOMETURON	Wheat, Maize, Barley, Soya, Sunflower seed, Peas
FLUOPICOLIDE	Sunflower seed
FLUOPYRAM	Wheat, Maize, Linseed, Sugar cane, Citrus, Peas
FLUORINE-CPDS	Wheat, Maize, Soya, Linseed, Sugar beet, Sugar cane, Citrus, Peas
FLUOXASTROBIN	Wheat, Maize, Triticale, Soya, Sunflower seed, Linseed, Peas
FLUPYRADIFURONE	Wheat, Maize, Oat, Soya, Linseed, Sugar beet, Citrus, Peas
FLUQUINCONAZOLE	Wheat, Barley, Soya, Sunflower seed, Linseed, Peas
FLURIDONE	Wheat, Maize, Sugar beet, Citrus, Peas
FLUROCHLORIDONE	Wheat, Barley, Sunflower seed, Linseed, Peas
FLUROXYPYR	Barley, Rapeseed, Lupins
FLURTAMONE	Wheat, Maize, Barley
FLUSILAZOLE	Wheat, Maize, Barley, Oat, Triticale, Soya, Rapeseed, Sunflower seed, Sugar beet
FLUTIANIL	Wheat, Sugar beet, Citrus, Peas
FLUTOLANIL	Soya
FLUTRIAFOL	Barley, Oat, Sunflower seed, Lupins, Sugar beet, Citrus, Peas
FLUVALINATE	Barley, Lupins
FLUXAPYROXAD	Wheat, Maize, Barley, Lupins, Citrus
FOLPET	Maize, Oat, Citrus
FOMESAFEN	Soya, Peas
FORAMSULFURON	Maize
FORMETANATE-HYDROCHLORIDE	Citrus
FORMIC-ACID	Wheat, Sugar beet, Citrus, Peas
FORMOTHION	Sugar beet
FURATHIOCARB	Wheat, Maize, Barley, Sugar beet
GAMMA-AMINOBUTYRIC-ACID	Wheat, Sugar beet, Citrus, Peas
GAMMA-CYHALOTHRIN	Maize, Soya, Lupins, Sugar beet, Peas
GLUFOSINATE	Barley, Lupins, Sugar beet, Peas
GLUFOSINATE-AMMONIUM	Wheat, Maize, Barley, Oat, Triticale, Sunflower seed, Lupins, Sugar beet, Citrus, Peas
GLYPHOSATE	Wheat, Maize, Oat, Rapeseed, Linseed, Sugar beet, Sugar cane, Citrus
GLYPHOSATE-AMMONIUM	Wheat, Soya, Linseed, Sugar beet, Sugar cane
GLYPHOSATE-DIMETHYLAMMONIUM-SALT	Wheat, Soya, Linseed, Sugar beet, Sugar cane
GLYPHOSATE-ETHANOLAMINE-SALT	Wheat, Soya, Linseed, Sugar beet, Sugar cane, Citrus
GLYPHOSATE-ISOPROPYL-AMINE	Wheat, Triticale, Soya, Linseed, Sugar beet, Sugar cane
GLYPHOSATE-POTASSIUM-SALT	Wheat, Soya, Linseed, Sugar beet, Sugar cane
GLYPHOSATE-TRIMESIUM	Maize, Soya, Sunflower seed, Linseed, Peas
HALAUXIFEN-METHYL/ARYLEX	Rapeseed
HALOSULFURON-METHYL	Maize, Soya, Sugar cane
HALOXYFOP	Soya, Lupins, Sugar beet, Peas
HALOXYFOP-ETHOXYETHYL	Soya, Lupins, Sugar beet, Peas
HALOXYFOP-METHYL	Rapeseed
HALOXYFOP-P-METHYL	Soya, Rapeseed, Sunflower seed, Sugar beet, Peas
HEPTACHLOR	Wheat, Maize, Barley, Oat, Triticale, Lupins, Peas
HEPTENOPHOS	Wheat, Maize, Barley, Oat, Triticale, Peas
HEXACHLORAN-A	Maize, Sunflower seed, Linseed, Sugar beet
HEXACHLORAN-B	Maize, Sunflower seed, Linseed, Sugar beet
HEXACHLORCYCLOHEXANE	Maize, Barley, Sunflower seed, Linseed, Sugar beet
HEXACHLOROBENZENE	Barley
HEXAMETHYLENE-TETRAMINE	Wheat, Sugar beet, Citrus, Peas

Pesticide residue	Feed commodity
HEXAZINONE	Sugar cane
HEXYTHIAZOX	Sugar beet
HYDROCYANIC-ACID	Citrus
HYDROPRENE	Wheat, Maize, Soya, Linseed, Sugar beet, Sugar cane, Citrus, Peas
IMAZALIL	Wheat, Maize, Barley, Oat, Triticale, Rapeseed, Sunflower seed, Lupins, Linseed, Citrus, Peas
IMAZALIL-SULFATE	Wheat, Maize, Barley, Oat, Triticale
IMAZAMETHABENZ	Wheat, Maize, Barley
IMAZAMETHABENZ-M	Barley, Oat
IMAZAMETHABENZ-METHYL	Wheat, Maize, Triticale
IMAZAMOX	Wheat, Soya, Rapeseed, Sunflower seed, Sugar beet, Citrus, Peas
IMAZAPIC	Maize, Barley, Sugar cane
IMAZAPYR	Maize, Barley, Rapeseed, Sunflower seed, Lupins, Linseed
IMAZAPYR-IPA-SALT	Rapeseed, Sunflower seed, Linseed
IMAZETHAPYR	Maize, Soya, Sunflower seed, Lupins, Linseed, Peas
IMAZETHAPYR-AMMONIUM	Maize, Soya, Sunflower seed, Linseed, Peas
IMIDACLOPRID	Maize, Soya, Sunflower seed, Linseed, Sugar cane, Peas
INDOL-3-YLACETIC-ACID	Wheat, Sugar beet, Citrus, Peas
INDOL-3-YLBUTYRIC-ACID	Wheat, Sugar beet, Peas
INDOXACARB	Maize, Barley, Soya, Lupins
IODOSULFURON-M	Barley, Oat
IODOSULFURON-METHYL	Wheat, Maize, Triticale
IODOSULFURON-M-NA	Wheat, Maize, Barley, Oat, Triticale
IOXYNIL	Wheat, Sunflower seed, Linseed
IOXYNIL-SODIUM-SALT	Wheat, Sunflower seed, Linseed
IPCONAZOLE	Wheat, Maize, Barley, Oat, Triticale, Peas
IPRODIONE	Wheat, Barley, Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar beet, Peas
IRON-EDTA	Wheat, Sugar beet, Citrus, Peas
IRON-PHOSPHIDE	Oat
ISOBUTYRIC-ACID	Wheat, Sugar beet, Citrus, Peas
ISOFETAMID	Linseed, Peas
ISOPROTURON	Wheat
ISOPYRAZAM	Maize
ISOXADIFEN-ETHYL	Maize
ISOXAFLUTOLE	Maize, Soya
KRESOXIM-METHYL	Wheat, Maize, Soya, Sunflower seed
LACTOFEN	Soya
LAMBDA-CYHALOTHRIN	Maize, Soya, Lupins, Sugar beet, Citrus, Peas
L-GLUTAMIC-ACID	Wheat, Sugar beet, Citrus, Peas
LINDANE	Barley, Rapeseed, Lupins
LINURON	Wheat, Maize, Barley, Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Peas
LUFENURON	Wheat, Maize, Soya, Sunflower seed, Linseed, Citrus, Peas
M. ANISOPLIAE F52	Wheat, Sugar beet, Citrus, Peas
MAGNESIUM-PHOSPHIDE	Wheat, Barley, Oat, Triticale, Soya, Sunflower seed, Peas
MALATHION	Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar beet, Citrus, Peas
MALEIC-HYDRAZIDE	Sugar beet
MANCOZEB	Wheat, Maize, Soya, Lupins, Linseed, Sugar beet
MANDESTROBIN	Barley, Rapeseed, Lupins, Linseed
MANDIPROPAMID	Barley, Rapeseed, Lupins, Citrus
MANGANESE-CHLORIDE	Wheat, Maize, Barley
MCPA-DIMETHYLAMINE-SALT	Maize
MCPA-SODIUM-SALT	Maize
MCPB	Maize
MCPP	Wheat, Maize, Barley, Oat, Triticale
MCPP-DIMETHYLAMINE-SALT	Wheat, Maize, Barley, Oat, Triticale
MCPP-POTASSIUM-SALT	Wheat, Maize, Barley, Oat, Triticale
MEFENPYR-DIACID	Barley

Pesticide residue	Feed commodity
MEFENPYR-DIETHYL	Wheat, Maize, Barley, Soya, Sugar beet
MEFENTRIFLUCONAZOLE	Wheat, Soya, Linseed, Sugar beet, Sugar cane, Peas
MENAZON	Sugar beet, Peas
MEPIQUAT-CHLORIDE	Maize
MESOSULFURON-M	Barley, Oat
MESOSULFURON-METHYL	Wheat, Maize, Triticale
MESOTRIONE	Maize
METAFLUMIZONE	Soya, Citrus
METALAXYL	Wheat, Maize, Barley, Oat, Triticale, Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar beet, Citrus, Peas
METALAXYL-M	Barley, Oat
METALAXYL-METHYL	Wheat, Maize, Triticale, Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar beet, Peas
METALDEHYDE	Wheat, Maize, Barley, Oat, Triticale, Rapeseed, Lupins, Citrus
METAM-POTASSIUM	Maize, Barley
METAZACHLOR	Maize, Barley, Rapeseed, Lupins
METCONAZOLE	Wheat, Maize, Sugar beet, Sugar cane, Peas
METHAM	Barley, Lupins
METHAMIDOPHOS	Maize, Citrus
METHAM-SODIUM	Barley, Lupins
METHIDATHION	Maize, Rapeseed, Sunflower seed, Sugar beet
METHOMYL	Wheat, Maize, Barley, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar beet, Peas
METHOPRENE	Wheat, Sunflower seed, Sugar beet, Citrus, Peas
METHOXYFENOZIDE	Maize, Barley, Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar beet, Citrus
METHYL-BROMIDE	Linseed
METIRAM	Soya, Lupins
METOBROMURON	Maize, Sunflower seed
METOLACHLOR	Maize, Soya, Rapeseed, Sunflower seed, Sugar cane, Peas
METOMINOSTROBIN	Soya
METOSULAM	Barley, Lupins
METOXURON	Wheat, Maize, Barley
METRAFENONE	Wheat, Maize, Triticale, Rapeseed, Lupins
METRIBUZIN	Wheat, Maize, Barley, Oat, Triticale, Soya
METSULFURON-M	Barley, Oat
METSULFURON-METHYL	Wheat, Maize, Triticale, Sunflower seed, Linseed, Sugar cane
M-ISOTHIOCYANATE	Barley, Rapeseed, Peas
MONOCARBAMIDE-DIHYDROGEN-SULFA	Wheat, Sugar beet, Citrus, Peas
MONOLINURON	Wheat, Maize, Barley
MSMA	Soya, Citrus
MYCLOBUTANIL	Wheat, Maize, Barley, Soya, Sunflower seed, Lupins, Sugar beet, Peas
MYRISTYL-ALCOHOL	Wheat, Sugar beet, Citrus, Peas
NALED	Wheat, Maize, Soya, Sugar beet, Citrus, Peas
NAPHTHALIC-ANHYDRIDE	Wheat, Maize, Barley
NAPROPAMIDE	Sunflower seed, Peas
NAPTALAM	Soya
N-BETA-ETHOX.CHLORACET-TOLUID	Maize
NICOSULFURON	Maize
NITRAPYRIN	Maize, Sugar beet, Citrus
NITROGEN	Wheat, Sugar beet, Citrus, Peas
N-OCTYL-BICYCLOHEPTENE-DICARBOXIMIDE	Wheat, Maize, Soya, Linseed, Sugar beet, Sugar cane, Citrus, Peas
NORFLURAZON	Barley, Soya, Rapeseed, Lupins, Citrus
NOVALURON	Maize, Barley, Soya, Rapeseed, Lupins, Citrus
OMETHOATE	Wheat, Maize, Barley, Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Citrus, Peas
ORTHO-PHENYL-PHENOL	Wheat, Barley, Rapeseed, Sunflower seed, Lupins, Linseed, Peas
ORYZALIN	Rapeseed, Citrus

Pesticide residue	Feed commodity
OXADIXYL	Barley, Rapeseed, Lupins, Sugar beet
OXAMYL	Barley, Sugar beet, Citrus
OXASULFURON	Soya
OXATHIAPIPROLIN/ZORVEC	Wheat, Maize, Barley, Lupins, Linseed, Sugar beet, Sugar cane, Citrus, Peas
OXATHIAPIPROLIN/ZORVEC	Rapeseed
OXYCARBOXIN	Wheat, Maize, Barley
OXYDEMETON-METHYL	Maize, Sugar beet
OXYFLUORFEN	Sunflower seed
PACLOBUTRAZOL	Wheat, Barley, Rapeseed, Sunflower seed, Linseed, Peas
PARAQUAT	Maize, Barley, Soya, Rapeseed, Sunflower seed, Lupins, Sugar beet, Sugar cane, Peas
PARAQUAT-CHLORIDE	Maize, Soya, Sunflower seed, Sugar beet, Sugar cane, Citrus, Peas
PARAQUAT-DIMETHYLSULFATE	Maize, Soya, Sugar beet, Sugar cane, Citrus, Peas
PARATHION-METHYL	Wheat, Maize, Barley, Sugar beet, Peas
PEBULATE	Sugar beet, Peas
PENCONAZOLE	Wheat, Barley, Rapeseed, Sunflower seed, Lupins, Linseed, Peas
PENCYCURON	Wheat, Maize, Barley, Peas
PENDIMETHALIN	Maize, Soya, Sunflower seed, Sugar cane, Citrus
PENFLUFEN	Barley, Peas
PENTHIOPYRAD	Wheat, Maize, Triticale, Soya, Linseed, Sugar beet, Peas
PERACETIC-ACID	Wheat, Sugar beet, Citrus, Peas
PERCHLORATE-ION	Peas
PERMETHRIN	Wheat, Maize, Barley, Oat, Triticale, Rapeseed, Sunflower seed, Sugar cane
PETROLEUM-OIL(GENERIC)	Wheat, Sugar beet, Citrus, Peas
PHENMEDIPHAM	Barley, Rapeseed, Lupins, Sugar beet
PHENTHOATE	Wheat, Maize, Barley, Soya, Sunflower seed
PHORATE	Linseed, Sugar beet
PHOSALONE	Wheat, Maize, Barley, Oat, Triticale, Sugar beet, Peas
PHOSMET	Sugar beet, Citrus, Peas
PHOSPHIDE	Oat
PHOSPHINE	Wheat, Maize, Barley, Oat, Triticale, Soya, Sunflower seed, Peas
PHOSPHONIC-ACID	Wheat, Sugar beet, Citrus, Peas
PHOSPHORIC-ACID	Wheat, Maize, Barley, Oat, Triticale, Sunflower seed
PHOXIM	Wheat, Maize, Barley, Oat, Triticale, Rapeseed, Sunflower seed, Sugar beet, Peas
PICLORAM	Wheat, Barley, Rapeseed
PICLORAM-ISOOCTYL-ESTER	Wheat
PICLORAM-POTASSIUM-SALT	Wheat, Barley
PICLORAM-TRIISOPROPANOLAMINE-S	Wheat
PICOLINAFEN	Maize, Barley, Oat, Triticale
PICOXYSTROBIN	Wheat, Maize, Barley, Oat, Triticale, Soya, Rapeseed, Sunflower seed, Linseed, Sugar beet, Peas
PINOXADEN	Maize, Oat
PIPERONYL-BUTOXIDE	Soya, Sunflower seed, Lupins, Peas
PIRIMICARB	Maize, Rapeseed, Sugar beet
PIRIMIPHOS-ETHYL	Maize
PIRIMIPHOS-METHYL	Wheat, Maize, Barley, Oat, Triticale, Sugar beet, Peas
POTASSIUM-PHOSPHONATE	Wheat, Sugar beet, Citrus, Peas
POTASSIUM-SILICATE	Wheat, Sugar beet, Citrus, Peas
POTASSIUM-SORBATE	Wheat, Sugar beet, Citrus, Peas
PRALLETHRIN	Wheat, Maize, Soya, Linseed, Sugar beet, Sugar cane, Citrus, Peas
PRIMISULFURON-METHYL	Maize
PROCHLORAZ	Wheat, Maize, Barley, Oat, Triticale, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar beet, Peas
PROCHLORAZ-MN	Rapeseed
PROCYMIDONE	Soya, Rapeseed, Sunflower seed
PROFENOFOS	Wheat, Maize, Barley, Soya, Sunflower seed, Lupins
PROFOXYDIM	Wheat, Sunflower seed, Linseed, Peas
PROHEXADIONE-CALCIUM	Wheat, Maize, Barley, Oat, Triticale

Pesticide residue	Feed commodity
PROMETRYN	Maize, Barley, Soya, Sunflower seed, Lupins, Peas
PROPACHLOR	Wheat, Maize, Barley, Oat, Triticale, Peas
PROPAMOCARB	Barley, Rapeseed, Sunflower seed, Lupins
PROPAMOCARB-HCL	Sunflower seed
PROPAQUIZAFOP	Wheat, Sugar beet
PROPARGITE	Maize, Lupins, Citrus
PROPAZINE	Wheat, Maize, Barley, Oat, Triticale, Lupins, Peas
PROPETAMPHOS	Linseed
PROPICONAZOLE	Wheat, Maize, Triticale, Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar beet, Sugar cane, Citrus, Peas
PROPINEB	Barley, Lupins
PROPIONIC-ACID	Wheat, Sugar beet, Citrus, Peas
PROPISOCHLOR	Maize, Rapeseed, Sunflower seed, Sugar beet, Peas
PROPOXYCARBAZONE-SODIUM	Wheat, Maize, Barley, Oat, Triticale
PROPYZAMIDE	Barley, Rapeseed, Sugar beet, Peas
PROQUINAZID	Wheat, Maize, Barley, Oat, Triticale, Rapeseed, Sunflower seed, Lupins
PROSULFURON	Wheat, Maize, Barley, Oat, Triticale
PROTHIOCONAZOLE	Wheat, Maize, Barley, Oat, Linseed, Sugar beet
PROTHIOCONAZOLE-DESTHIO	Linseed, Sugar beet
PROTHIOFOS	Sunflower seed
PYDIFLUMETOFEN/ADEPIDYN	Maize, Barley, Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar beet, Citrus, Peas
PYRACLOSTROBIN	Wheat, Maize, Rapeseed, Sunflower seed, Linseed, Sugar beet, Sugar cane, Peas
PYRETHRINS	Sugar cane
PYRETHRINS(CINERIN-I)	Oat
PYRETHRINS(CINERIN-II)	Oat
PYRETHRINS(JASMOLIN-I)	Oat
PYRETHRINS(JASMOLIN-II)	Oat
PYRETHRINS(PYRETHRIN-I)	Oat
PYRETHRINS(PYRETHRIN-II)	Oat
PYRIDABEN	Wheat, Sunflower seed, Linseed, Citrus, Peas
PYRIDAPHENTHION	Sugar beet
PYRIFLUQUINAZON	Citrus
PYRIMETHANIL	Barley, Rapeseed
PYRIOFENONE	Barley, Rapeseed, Lupins
PYRIPROXYFEN	Wheat, Maize, Barley, Soya, Rapeseed, Lupins, Linseed, Sugar beet, Sugar cane, Citrus, Peas
PYROXASULFONE/AXEEV	Maize, Soya, Linseed, Citrus, Peas
PYROXSULAM	Wheat, Maize, Barley
QUINCLORAC	Barley, Rapeseed, Linseed
QUINMERAC	Rapeseed
QUINOXYFEN	Sugar beet
QUIZALOFOP	Wheat, Lupins, Sugar beet, Peas
QUIZALOFOP-ETHYL	Maize, Soya, Rapeseed, Sunflower seed, Lupins, Sugar beet, Peas
QUIZALOFOP-METHYL	Rapeseed, Lupins
QUIZALOFOP-P	Wheat, Lupins, Peas
QUIZALOFOP-P-ETHYL	Wheat, Maize, Lupins, Peas
QUIZALOFOP-P-T	Wheat, Lupins, Peas
RESMETHRIN	Wheat, Maize, Soya, Linseed, Sugar beet, Sugar cane, Citrus, Peas
RIMSULFURON	Maize, Sunflower seed
ROTENONE	Wheat, Sugar beet, Citrus, Peas
S. LYDICUS WYEC108	Sugar beet
SAFLUFENACIL	Barley, Soya, Lupins, Linseed, Sugar cane, Peas
SEDAXANE	Wheat, Maize, Barley
SEMIAMITRAZ	Citrus
SETHOXYDIM	Maize, Soya, Rapeseed, Linseed, Sugar beet, Citrus, Peas
SILTHIOFAM	Wheat, Maize, Barley, Oat, Triticale
SILVER-NITRATE	Wheat, Sugar beet, Citrus, Peas

Pesticide residue	Feed commodity
SIMAZINE	Wheat, Maize, Barley, Oat, Triticale, Lupins, Sugar cane, Citrus
S-METHOPRENE	Maize
S-METOLACHLOR	Maize, Soya, Rapeseed, Sunflower seed, Sugar beet, Peas
SODIUM-5-NITROGUAIACOLATE	Wheat, Sugar beet, Citrus, Peas
SODIUM-BROMIDE	Maize, Soya, Linseed, Sugar beet, Sugar cane, Citrus
SODIUM-CARBONATE	Wheat, Sugar beet, Citrus, Peas
SODIUM-CYANIDE	Citrus
SODIUM-HYPOCHLORITE	Wheat, Sugar beet, Citrus, Peas
SODIUM-LAURYL-SULFATE	Wheat, Sugar beet, Citrus, Peas
SODIUM-MONONITROPHENOL	Wheat, Sugar beet, Citrus, Peas
SODIUM-O-BENZYL-P-CHLOROPHENOX	Sunflower seed, Linseed, Peas
SODIUM-ORTHO-PHENYL-PHENOL	Wheat, Barley, Rapeseed, Sunflower seed, Lupins, Linseed, Peas
SODIUM-P-NITROPHENOLATE	Wheat, Sugar beet, Citrus, Peas
SPINETORAM	Sugar beet, Citrus
SPINOSAD	Sugar beet
SPIRODICLOFEN	Citrus
SPIROMESIFEN	Sugar beet, Citrus, Peas
SPIROTETRAMAT	Soya, Sugar beet, Peas
SPIROXAMINE	Wheat, Maize, Barley, Oat, Triticale, Lupins, Sugar beet
STREPTOMYCIN	Citrus
SULCOTRIONE	Wheat, Peas
SULFANILIC-ACID	Wheat, Maize, Barley
SULFENTRAZONE	Wheat, Maize, Soya, Sunflower seed, Linseed, Sugar cane, Citrus, Peas
SULFOMETURON-METHYL	Sugar cane
SULFONAMIDE	Sugar cane
SULFOXAFLOR/ISOCLAST	Maize, Oat, Linseed, Sugar beet, Citrus
SULFURYL-FLUORIDE	Wheat, Soya, Linseed, Sugar beet, Sugar cane, Citrus, Peas
TAU-FLUVALINATE	Wheat, Triticale, Lupins, Peas
TCA-SODIUM	Maize, Barley
TCMTB	Maize, Sugar beet
TDE/DDD	Maize, Oat
TEBUCONAZOLE	Maize, Sunflower seed, Lupins, Sugar beet
TEBUFENOZIDE	Wheat, Maize, Barley, Soya, Sunflower seed, Lupins, Linseed, Peas
TEBUFENPYRAD	Wheat, Barley, Rapeseed, Sunflower seed, Lupins, Linseed, Peas
TEFLUBENZURON	Maize, Soya
TEFLUTHRIN	Maize
TEMEPHOS	Sugar beet, Peas
TEPRALOXYDIM	Soya, Rapeseed, Sunflower seed, Linseed, Sugar beet, Peas
TERBACIL	Sugar cane
TERBUFOS	Maize, Sugar beet
TERBUTHYLAZINE	Maize, Sunflower seed
TERBUTRYN	Wheat, Maize, Barley, Oat, Triticale
TETRACONAZOLE	Wheat, Maize, Barley, Soya, Linseed, Sugar beet, Peas
TETRADIFON	Citrus, Peas
TETRANILIPROLE	Soya
THIABENDAZOLE	Wheat, Maize, Barley, Oat, Triticale, Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar cane, Peas
THIACLOPRID	Maize, Soya, Lupins, Citrus
THIAMETHOXAM	Wheat, Maize, Oat, Triticale, Rapeseed, Sunflower seed, Lupins, Sugar beet, Sugar cane, Citrus, Peas
THIENCARBAZONE-METHYL	Wheat, Maize, Barely, Linseed, Sugar beet
THIFENSULFURON-METHYL	Wheat, Maize, Barley, Oat, Triticale, Soya, Rapeseed, Sunflower seed, Linseed
THIOCYCLAM-HYDROGEN-OXALATE	Sugar Beet
THIODICARB	Wheat, Maize, Barley, Oat, Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Peas
THIOPHANATE	Lupins
THIOPHANATE-METHYL	Wheat, Maize, Barley, Oat, Triticale, Soya, Sugar beet, Citrus
THIRAM	Maize, Barley, Soya, Sunflower seed, Lupins, Sugar beet

Pesticide residue	Feed commodity
TIOXAZAFEN	Maize, Soya
TOLFENPYRAD	Citrus
TOPRAMEZONE	Maize
TRALKOXYDIM	Wheat, Maize, Barley
TRIADIMEFON	Wheat, Maize, Barley, Oat, Triticale, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar beet, Sugar cane, Peas
TRIADIMENOL	Wheat, Maize, Barley, Oat, Triticale, Sunflower seed, Lupins, Linseed, Sugar cane, Peas
TRIALLATE	Sugar beet, Peas
TRIASULFURON	Wheat, Maize, Barley, Oat, Triticale, Sunflower seed, Linseed, Peas
TRIAZOLYL-ALANINE	Linseed
TRIAZOPHOS	Wheat, Maize, Barley, Soya
TRIAZOXIDE	Peas
TRIBENURON-METHYL	Soya, Sunflower seed, Linseed
TRICHLOR-BENZOTHIADIAZINE	Sugar beet
TRICHLORFON	Wheat, Maize, Barley, Oat, Triticale, Rapeseed, Sunflower seed, Lupins, Sugar beet, Peas
TRICHLOROPHENOL	Sugar beet
TRICLOPYR	Wheat, Rapeseed, Sunflower seed, Linseed, Sugar cane, Peas
TRICLOPYR-BUTOXY-ETHYL-ESTER	Sugar cane
TRICLOPYR-CHOLINE-SALT	Sugar cane
TRICLOPYRICARB	Rapeseed
TRICLOPYR-TRIETHYL-AMINE	Sugar cane
TRICYCLAZOLE	Wheat, Sunflower seed, Linseed, Peas
TRIDEMORPH	Wheat, Maize, Barley, Oat, Triticale
TRIFLOXYSTROBIN	Wheat, Maize, Soya, Rapeseed, Sunflower seed, Linseed, Sugar beet, Citrus
TRIFLOXYSULFURON-SODIUM	Citrus
TRIFLUMIZOLE	Wheat, Maize, Barley, Oat, Triticale, Sunflower seed, Linseed, Peas
TRIFLUMURON	Wheat, Maize, Barley, Soya, Sunflower seed, Linseed, Citrus, Peas
TRIFLURALIN	Maize, Barley, Soya, Rapeseed, Sunflower seed, Lupins, Linseed, Sugar beet, Sugar cane, Citrus, Peas
TRIFORINE	Wheat, Maize, Barley, Oat, Triticale
TRIMORPHAMIDE	Wheat, Maize, Barley
TRINEXAPAC	Maize, Sugar cane
TRINEXAPAC-ETHYL	Maize, Sunflower seed, Sugar cane
TRITICONAZOLE	Wheat, Maize, Barley, Oat, Triticale
TRITOSULFURON	Wheat, Maize, Barley, Oat, Triticale
TRYPTOPHAN	Wheat, Sugar beet, Citrus, Peas
UNICONAZOLE	Rapeseed
VALERIC-ACID	Wheat, Sugar beet, Citrus, Peas
VERNOLATE	Maize
VINCLOZOLIN	Sunflower seed
Z-8-DODECEN-1-OL	Wheat, Sugar beet, Citrus, Peas
Z-8-DODECEN-1-YL-ACETATE	Wheat, Sugar beet, Peas
ZETA-CYPERMETHRIN	Soya, Sugar cane
ZINC-PHOSPHIDE	Wheat, Barley, Oat, Sunflower seed, Sugar beet, Peas
ZINEB	Wheat, Maize, Barley, Oat, Triticale, Rapeseed, Sugar beet, Peas
ZIRAM	Sugar beet, Peas

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The mission of Wageningen University & Research is "To explore the potential of nature to improve the quality of life". Under the banner Wageningen University & Research, Wageningen University and the specialised research institutes of the Wageningen Research Foundation have joined forces in contributing to finding solutions to important questions in the domain of healthy food and living environment. With its roughly 30 branches, 6,500 employees (5,500 fte) and 12,500 students, Wageningen University & Research is one of the leading organisations in its domain. The unique Wageningen approach lies in its integrated approach to issues and the collaboration between different disciplines.

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