

Overview of pesticides authorised in maize and soybean grown outside the EU

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Summary

Feed and food commodities used in The Netherlands originate from several countries, also outside the EU. These commodities should be compliant to EU law when imported into the EU. This is also applicable to pesticide residues on feed and food commodities, they should comply with maximum residue levels (MRLs) as laid down in Regulation (EC) No 396/2005. Therefore, monitoring of pesticide residues present on incoming feed and food commodities takes place. In order to prioritise the substances that should be included in the analyses for the monitoring, this study investigated which substances have high chances of exceeding the EU MRLs.

In previous research, the MRLs of active substances for the use in plant protection products were reviewed and substances were prioritised when the MRLs in the countries of origin were higher than those in the EU. However, these priority lists contained a large number of substances without information on their actual use, and further prioritisation was required. The original aim of this study was to investigate which substances may be actually used in the countries of origin of the feed and food commodities. However, because of lack of data, this approach could not be used. Instead this study investigated which active substances, prioritised on the basis of MRL in the earlier study, were authorised for plant protection in these countries of origin. In addition, the earlier study approach did not take into account that other substances might be allowed to be used in plant protection products, without an MRL prescribed in the country of origin. Therefore, the second aim was to identify active substances authorised for use on crops in these countries, but not identified in the previous study on the basis of the MRL comparison.

For this study, the selected commodities were maize and soybean and the selected countries of origin were Brazil, Ukraine and United States of America.

Brazilian law describes that active substances, for which an MRL is laid down, are allowed for use in plant protection, and vice-versa, active substances allowed require an MRL. This means that the active substances on the earlier developed priority list for feed and food commodities coming from Brazil cannot be further prioritised or reduced in number. In Brazilian law, no other active substances (without MRL) were identified that have to be added to this priority list.

Ukrainian law on pesticides has recently (Order 625, July 2023) been revised to be more comparable to the EU law and adopted a similar approach. A full list of MRLs of active substances in plant protection products that are authorised for use is included in an annex of this Order. These MRLs are dependent on the application per crop and the allowed substances are therefore listed separately per crop. A default MRL of 0.01 mg/kg is applied for unauthorised substances on agricultural commodities. Ukrainian law also lays down a list with active substances, for which an MRL is not deemed necessary. These substances need to be added to the earlier list with prioritised active substances based on MRL.

In the USA, a zero tolerance applies, which means that all substances must be listed in law to be authorised. Therefore, no further prioritisation of active substances for monitoring can be made. Besides, many substances are described in US law for which an MRL is not deemed necessary and these are therefore authorised without MRL. Thus the list of active substances prioritised for monitoring is further extended. These and further explanations on the several jurisdictions are provided in this report.

It was concluded from this study that further prioritisation of pesticides to be monitored is not possible based on the authorisations of such substances in the investigated countries of origin. The study also revealed that certain countries (i.e. USA and Ukraine) have authorized plant protection products without MRL, which are not authorised, or authorised with MRL in the EU. These products have to be added to the priority list.



1 Introduction

A broad range of pesticides are used for the protection of food and feed crops all over the world. By using pesticides, residues thereof can end up in food and feed materials. Legislation within the European Union lays down Maximum Residue Levels (MRLs), which are directly applicable to food and feed materials marketed in the EU or imported into the EU. Besides the EU MRLs, there are also residue levels set by the Codex Alimentarius Commission, namely the CODEX MRLs (CXLs). These international norms have the aim to safeguard global public health and support fair worldwide trade. The EU is a member of the Codex Alimentarius Commission. However, Codex Alimentarius Commission has not an official jurisdiction and members can choose to enforce (supra-)national MRLs, risking a trade conflict. On the other hand, some countries use CXLs as a basis for national legislation and other countries even apply them directly to incoming food and feed materials.

As part of the official controls, the Netherlands Food and Consumer Product Safety Authority (Nederlandse Voedsel- en Warenautoriteit) conducts a monitoring programme to check commodities in The Netherlands on MRLs. Wageningen Food Safety Research performs the analyses on pesticide residues in feed materials for the purpose of this monitoring programme. Since the range of pesticides used is broad and resources are limited, a selection is necessary for target substances that should be included in the analyses. This selection should be based on the substances posing the highest risk. Moreover, risk-based selection is not only useful in the monitoring programme of food safety authorities, it can also support quality assurance in the feed industry.

In a previous study, Hoffmans et al. (2021) made an overview of active substances from plant protection products potentially present as residues in feed commodities with an annual use exceeding 50,000 tonne, imported from countries that contributed at least 3% to the non-EU import into The Netherlands. In this earlier study, a list of active substances in plant protection products was identified, for which the MRLs were higher in the non-EU country of origin compared to the MRLs in the EU. This was considered a risk factor for MRL exceedance on feed materials imported into the EU. Therefore, the substances listed in that study were recommended to be prioritised for the National monitoring plan. However, the number of substances listed in that study was large and further investigation was conducted if further prioritisation was possible. For example, it was not clear whether the active substances, selected on the basis of the MRL in the country of origin, are actually applied on the relevant crops. Unfortunately, no public data were found available on the actual use of pesticides. Therefore, the aim of the present study was to examine whether these substances were authorised for use in plant protection products in the respective countries of origin. The focus of this study was on the feed materials with the largest non-EU import, maize and soybean products and the most relevant countries of origin for both materials: Brazil, Ukraine and United States of America.

The previous study prioritised substances with a higher MRL in the country of origin compared to MRLs in the EU. This approach did not take into account that other substances for which no MRL has been prescribed in the country of origin, might yet be allowed for use in plant protection products. This potential application without MRL was one of the findings in the study by Pikkemaat et al. (2023) who reported that certain antibiotic substances were also allowed for applications on plant materials in certain non-EU countries. This raised the question whether substances without MRL, which are authorised in the relevant country of origin of feed materials, may not have been identified in the previous study, and therefore not included in the previous list of active substances.

The present study addressed two goals: 1) to determine which substances, earlier selected on the basis of MRL for maize and soybean in Brazil, Ukraine and the United States of America had been actually authorised for use in plant protection products on these crops in these countries; and 2) which other active substances were authorised for use on maize and soybean in these countries, but not identified in the previous study on the basis of the MRL comparison.

This study aimed to answer both questions by using a slightly different approach of methods as compared to the study of Hoffmans et al. (2021). This approach is explained in Chapter 2. In Chapter 3, the results per country are presented and discussed, followed by the conclusions. Thereafter, the references and annexes are provided.

2 Materials & Methods

This section of the report explains how the scope of this research was set and how further steps in the research were taken.

2.1 Scope selection

2.1.1 Selection of feed crops

For the selection of feed crops to be subject of this study, feed consumption data in The Netherlands between 2015-2020 were used. From these data, maize and soybean as the two feed material groups with the highest volume of use were selected.

2.1.2 Selection of countries of origin

From feed import data between 2015 and 2020, it was derived which countries exported the highest tonnage of maize or soybean products into The Netherlands. For both feed material groups, the three most important countries of origin were selected for both feed material groups. These countries were Brazil, Ukraine and United States of America and they were compared to EU as a reference.

2.1.3 Legal data search

To obtain an answer to the research questions in this study, a legal data search was conducted. For the first research question, whether the prioritised substances (with MRL) in the previous study were authorised in the respective third countries, general provisions in legislation were consulted. With this information, the meaning of an MRL specification for an active substance in the three countries was studied. The second research question required a comparison between legislation in these countries and EU legislation in the field of plant protection products. This means that the relevant legislation had to be compared to the relevant legislation in the EU in Regulation (EC) No. 1107/2009 and Regulation (EC) No. 396/2005. These regulations are also the basis for the online tool EU Pesticide database (https://food.ec.europa.eu/plants/pesticides/eu-pesticides-database_en), which was used for the extraction of data on active substances allowed to be used in plant protection products within the EU.

2.1.3.1 Brazil

The legal database of Brazil, Portal da Legislação, was accessed through <https://www4.planalto.gov.br/legislacao>. Also Brazil has an up to date database of active substances to be used in plant protection products as online tool, which can be accessed through <https://www.gov.br/anvisa/pt-br/acessoainformacao/dadosabertos/informacoes-analiticas/monografias-de-agrotoxicos>.

2.1.3.2 Ukraine

The Ukrainian online legal database called Verkhovna Rada of Ukraine (<https://zakon.rada.gov.ua/laws/main/en/index>) was used for finding the most recent relevant legislation concerning the plant protection products. Legal documents in Ukraine are in Ukrainian language. The relevant legislation was translated into English, and extracted information was also checked by a native speaker (working at WFSR) on correctness and completeness.

2.1.3.3 United States of America

For the search to legal documents applicable in The United States of America, the electronic Code of Federal Regulations (eCFR) system was used (<https://www.ecfr.gov/>). Likewise to Brazil, US has an up to date database of active substances to be used in plant protection products. This database can be accessed through <https://ordspub.epa.gov/ords/pesticides/f?p=chemicalsearch:1>.

3 Results

3.1 Pesticide legislation in Brazil

Comparable to the EU, pesticides can only be applied in Brazil when these are registered at The Ministry of Agriculture, Livestock, and Food Supply (Ministério da Agricultura, Pecuária e Abastecimento). The National Health Surveillance Agency (Agência Nacional de Vigilância Sanitária) supports the Ministry in the decision of authorising a substance on the basis of toxicological data and gives input for an MRL. For every active substance that is registered, an MRL is defined. When a substance has no MRL in Brazil, it is not authorised for application. Nonetheless, Brazil makes an exemption for imported products. When an imported product contains residues of active substances, which are not allowed in Brazil, Brazil accepts the imported product in case it complies to CODEX MRLs. Brazil has additionally laid down a list of active substances that are exempted from this approach and must not be present on the imported products. This can be regarded as a negative list. Besides this negative list and a positive list with authorised substances under the condition of an MRL, there is no list in Brazilian law laying down active substances that may be applied without an MRL. Different than in the EU, there is no default MRL laid down in Brazilian law. An active substance is either allowed under the condition of an MRL or not allowed to be used and may thus not be detected, unless it is an imported product complying to CODEX MRLs.

According to the higher MRL applicable in Brazil compared to the EU, 71 active substances were previously prioritised for maize (Table A1.1) and 82 for soy (Table A1.2). All these prioritised substances are authorised in Brazil, thus no further prioritisation is possible on the basis of the authorisation.

3.2 Pesticide legislation in Ukraine

In July 2023, Order No 625 on the approval of the Procedure for establishing the maximum permissible levels of pesticide residues in/on food products and fodder of plant and animal origin entered into force. This order regulates the use of plant protection products in Ukraine and falls under the authority of the Ministry of Health Protection of Ukraine. This order shows many similarities with EU law with regard to the structure of the legal act, authorisation procedures and the application of MRLs. The reason may be that Ukraine is taking steps to implement the Association Agreement between Ukraine and EU and with that the implementation of Regulation (EC) No. 396/2005 into Ukrainian law. The term "Maximum permitted levels" is used in Ukrainian law for the term "MRLs" in EU law.

Article 3 of Chapter 1 of this order describes that this regulation (e.g. the MRLs) only applies to products to be marketed within Ukraine and not for the purpose of export. For export, the product must comply with the standards applicable in the importing country, in this case the EU MRLs. Whereas it is already prescribed in EU law that incoming goods shall comply with EU law, Ukrainian law also prescribes it for outgoing materials. At this point, Ukrainian law and EU law are in line with each other. Nonetheless, the present study has taken into account the risk that feed materials produced according to standards applicable within Ukraine are exported to EU.

For the first research question of this study, it was determined which of the substances prioritised in the earlier study had been authorised in Ukraine to be used in plant protection products. A list of Active substances previously prioritized for maize from Ukraine based on the higher MRLs in Ukraine compared to EU MRLs (Hoffmans et al., 2021) is provided in Table A2.1 in the Annex of this report. Appendix 2 to Order 625 provides a full list of MRLs of active substances in plant protection products that are authorised and may occur on certain food and feed products. These are dependent on the application per crop and the allowed substances are therefore listed separately per crop in section 2.4 and 2.5 of that appendix. Article 14 of Order 625 explains that a default MRL applies for the substances not laid down in this appendix.

Hence, inclusion of products on the list with MRLs in Order 625 implies that these products are authorised for use in plant protection products.

Besides active substances that are allowed with a prescribed MRL per crop, Order 625 also includes a list of active substances allowed to be used, but for which no MRL deemed necessary. This list is set in Appendix 3 of the Order and included in Table A2.2 in the Annex of this report. Regulation (EC) No 396/2005 in EU law on maximum residue levels for pesticides also provides a list of substances in its Annex IV, for which an MRL is not deemed necessary. In case these substances are also present in the Appendix 3 of the Order in Ukrainian law, these were removed from Table A2.2. Furthermore, from the list of substances allowed without MRL, black and white whorl isolate WCS850, clonostachys rosea strain J1446, potassium bicarbonate, pyrophosphate of iron, QRD 460 Terpenoid Blend, sodium bicarbonate, sodium chloride were considered not relevant for inclusion in the monitoring programme, since it is not meaningful to analyse these compounds (ions from salts are not indicative for the pesticide) or there is no limit within the EU.

Appendix 4 to Order 625 describes that residue levels of aluminium phosphide may be exceeded in case it is applied as fumigant on, amongst others, cereal grains and legumes, which include maize and soybean, respectively. The MRL applicable in the EU for this substance is 0.7 mg/kg for maize and 0.05 mg/kg for soybean. It is therefore possible that EU MRLs will be exceeded for this substance due to post-harvest application.

3.3 Pesticide legislation in United States of America

The regulation of pesticide use in The United States of America falls under the competence of the protection of the environment with the competent authority Environment Protection Agency (EPA). The legal act concerning pesticide use is laid down in Title 40 of Code of Federal Regulations Chapter I, Subchapter E. Within this Subchapter, Parts 150 – 179 describe amongst others authorisation procedures, requirements with regards to labelling and packaging, and application procedures. Part 180 describes the requirements for pesticide use on crops for food and feed. These requirements are explained in Subpart A of Part 180 and include zero tolerances, meaning that no residues may be found (paragraph 5), tolerances, specific tolerances per crop category, exemptions from a tolerance and substances that do not require any tolerance. The term tolerance in USA legislation includes what can be used as pesticide, under which conditions it can be used, requirements, and/or maximum residue levels that are applicable. The legislation with regards to the procedures for a pesticide to be used and categorisations of crops for food and feed uses is described in Subpart B.

Part C of this code of federal regulations sums up all the substances, which are allowed to be used in plant protection products, with prescribed conditions or with an MRL. The allowed use of these substances thus depends on which crop it is applied. With regard to the first research question and the priority list from the previous study (98 substances listed in Table A3.1 for maize and 97 substances listed in Table A3.2 for soy), all substances listed with an MRL in the United States of America are therefore allowed to be used in pesticides. Any further reduction of the number of substances or prioritisation from this list is therefore not possible.

With regard to the second aim of this study, a search for substances without MRL authorised in the United States of America was carried out. The relevant legislation in the United States of America, Title 40 Chapter I, Subchapter E Part 180, provides several sections that explain when a substance is allowed without MRL. Sections in Part D and E describe all cases in which it is not deemed necessary to establish an MRL for certain substances to be used in pesticides. These sections are explained hereafter. Petroleum oils, piperonyl butoxide, pyrethrins, and sabadilla are exempted from a tolerance when used according to the Good Agricultural Practice principle and applied before harvest to a growing crop (§180.905).

§180.910 provides a list of substances that are allowed in pesticides applied to growing crops or to raw agricultural commodities after harvest without any tolerance set on residues on the product. A large number of these substances are not regarded as substances in plant protection products in the EU and therefore do not have an authorisation as such. The substances allowed to be used in pesticides on growing crops in

The USA are listed in Table A3.3. Not all substances in this Table are deemed relevant for inclusion in monitoring, since it is not meaningful (e.g. salts) to analyse these compounds or there is no limit within the EU. The active substances listed in Table 1 are recommended to receive priority for monitoring.

Pesticides that are allowed to be applied to growing crops only, without any tolerance on residues (and in accordance with GAP) are described in §180.920. This list contains many substances that are also listed under §180.910. Duplications in the Table 2 and Table A3.3 therefore have been removed for the purpose of this research. Also the substances allowed in the EU without MRL were removed from this list.

Commonly consumed food and feed commodities as well as chemical substances appearing in food and feed, such as acetic acid, animal glue, beeswax, cellulose, citric acid, lactic acid, lecithin, sodium chloride, urea, xanthan gum, amongst others are allowed to be used (§ 180.950). Interestingly, waxes, as beeswax, are not approved in the EU and may not be used as substance in plant protection products. Nonetheless, these waxes are not considered to require priority for inclusion in monitoring, because these may be authorised for other purposes in the EU, such as e.g. food additives.

Overall, it can be concluded from Table 2 and Table A3.3 that there are more substances allowed to be used without MRL and laid down in law in USA compared to those in Ukraine or Brazil or EU.

Table 1 Substances that are allowed in USA without an MRL deemed necessary, which are included in the EU pesticide database and do have an (default) MRL in the EU.

Substances without MRL in USA relevant for monitoring
1,4-Dimethylnaphthalene.
1-Methylcyclopropene.
6-Benzyladenine.
Ammonium hydroxide
Ammonium sulfate
Azadirachtin.
Boric acid and its salts, borax (sodium borate decahydrate), disodium octaborate tetrahydrate, boric oxide (boric anhydride), sodium borate and sodium metaborate; exemptions from the requirement of a tolerance.
Calcium chloride
Calcium oxide
Calcium phosphate
Chlorate.
Choline Chloride.
Copper
Dialkyl (C8-C18) dimethyl ammonium chloride
Ferric Citrate (CAS Reg. No. 2338-05-8)
Ferric sulfate
Florpyrauxifen-benzyl.
Flutianil.
Foramsulfuron.
Imazamox.
Methyl eugenol and malathion combination.
Mineral oil, U.S.P., or conforming to 21 CFR 172.878 or 178.3620(a) (CAS Reg. No. 8012-95-1)

4 Discussion

The earlier comparison of EU MRLs and MRLs in non-EU countries, from which feed materials are imported, resulted in long lists of active substances potentially used on commodities imported as feed materials into The Netherlands. In the present study, soybean and maize in combination with Brazil, Ukraine and United States of America as the countries of origin were selected for further prioritisation. Initially it was intended to base this further prioritisation on information of the actual use of plant protection products with these active substances. Unfortunately no public data were available. As an alternative search strategy, the present study investigated whether the active substances selected in the previous study had been authorised for use in plant protection products in the selected countries of origin. This is a limitation of the method for this research, since it does not provide information on actual usage on the relevant commodities in the selected countries of origin. Consequently, this method indicates that these active substances with higher MRL in countries of origin than in EU can be used, but it remains uncertain which substances really pose a risk of EU MRL exceedance when entering the EU.

The aim of this study was to further prioritise the earlier list of substances with high MRL based on authorisation of plant protection products. Unfortunately, despite differences in legislation between Brazil, Ukraine and the United States of America, in all three countries, the products earlier selected on the basis of MRL were also authorised for use in plant protection in these countries. Moreover, there were no substances that were authorised in all three selected countries, but not in the EU, which could be a reason for further prioritisation. Hence, this approach has not contributed to a further selection of substances with high(er) priority.

This study also showed that in Ukraine and the USA, but not in Brazil, an additional group of products can be used in plant protection without MRLs being applicable. Also in the EU, a group of products can be used for this purpose without MRL, hence these products were removed from the list. Also, a group of products was considered not relevant for monitoring, because of their nature, e.g. salts, organic acids and plant extracts. The remaining products that can be used in Ukraine and the USA were added to the list of prioritised substances.

In general, in the field of plant protection products, legislation and especially MRLs are subject to frequent changes. Hence, MRLs might change relatively soon after a priority list has been based on these MRLs. In this study, the priority list for monitoring from previous research (Hoffmans et al. 2021) was used as input for further prioritisation. It cannot be excluded that current MRLs are different from the MRLs in force during the previous study. This is especially the case for Ukrainian legislation, since a complete new Order came into force during the course of this study. For this reason, the MRLs in the old and the new legislation were compared for a selection of compounds, which had recently received the status 'not approved' and/or for which the MRL had recently been lowered in the EU. The comparison is presented below in Table 2 for maize and Table 3 for soybean. The results indicated limited changes for products that were not approved, while Etoxazole with an MRL of 0.01 mg/kg in the EU is not approved in Ukraine. However, an unexpected increase in MRL was observed for Mancozeb and Diquat, which are both not authorised for use in EU. According to Ukrainian legislation as discussed earlier, this would mean that these substances are also not allowed on maize and soybean from Ukraine when exported to EU, but the higher MRL would apply for maize and soybean products for internal use in Ukraine. The latter may also pose a risk for MRL exceedance in these commodities (unintendedly) exported to EU. These results indicate that a regular update of the comparison of MRLs in countries of origin and EU is required to adequately address potential exceedance of EU MRLs in imported feed and food commodities.

Table 2 Comparison of old and new MRLs applicable in Ukraine for a selection of active substances on maize, for which EU MRLs have been reduced or which received the status 'not approved'.

Active substance	EU MRL	Oekraïne-oude MRL	Oekraïne-nieuwe MRL
Chlorpyrifos-methyl	not approved*	not approved*	not approved*
Chlorpyrifos	not approved*	not approved*	not approved*
Mancozeb	not approved*	0.02	0.05
Phosmet	not approved*	not approved*	not approved*
Diquat	not approved*	not approved*	not approved*
Triflumuron	not approved*	not approved*	not approved*
Etoxazole	0.01	not approved*	not approved*
Chlorpropham	not approved*	not approved*	not approved*

Default MRL applies.

Table 3 Comparison of old and new MRLs applicable in Ukraine for a selection of active substances on soybean, for which EU MRLs have been reduced or which received the status 'not approved'.

Active substance	EU MRL	Ukraine old MRL	Ukraine new MRL
Chlorpyrifos-methyl	not approved*	not approved*	not approved*
Chlorpyrifos	not approved*	not approved*	not approved*
Mancozeb	not approved*	0.02	0.1
Phosmet	not approved*	not approved*	not approved*
Diquat	not approved*	not approved*	0.5
Triflumuron	not approved*	not approved*	not approved*
Etoxazole	0.01	not approved*	not approved*
Chlorpropham	not approved*	not approved*	not approved*

* Default MRL applies.

Finally, it should be mentioned that relevant legislation for Brazil and Ukraine is in Portuguese and Ukrainian, respectively. This could present a translation and interpretation hurdle when consulting the native law, especially in the translation of chemical substances. Fortunately, this was not the case for most of the substances, of which the names were similar to the worldwide commonly used names and/or adequately understood by the authors.

5 Conclusions and recommendations

5.1 Conclusions

The present study was conducted to address two goals: 1) to determine which substances, earlier selected on the basis of MRL for maize and soybean in Brazil, Ukraine and the United States of America are actually used for plant protection in these crops in these countries; and 2) which other active substances were authorised for use on maize and soybean in these countries, but not identified in the previous study on the basis of the MRL comparison.

Regarding the first question, the study revealed that data on actual usage are not readily available. As second best, pesticide registration information was used as indicator for potential use. It became clear that if a specific MRL for an active substance is laid down in legislation, the substance is authorised for use in each of the three countries. Consequently, based on this knowledge, no further prioritisation and reduction of the list of pesticides to be monitored could be proposed.

Regarding the second question, legislation in Brazil describes that if no MRL is specifically laid down for an active substance, it shall not be used. In the USA, many exemptions for the need of an MRL are laid down in legislation. Consequently, many substances are allowed to be used without MRL. Similarly, a smaller number of exemptions for which an MRL is not deemed necessary were described in Ukrainian legislation.

5.2 Recommendations

From the study it is clear that updating the monitoring scope of pesticides residues in feed through desk studies into usage and local legislation is difficult. MRL and registration data of pesticides in third countries are available and accessible, but are not useful for prioritization or reduction of pesticides to be included in routine analysis. The current study even resulted in expansion of the list of pesticides, i.e. those registered in third countries with no need for an MRL, while an MRL is set in the EU. For further reduction and/or prioritization additional efforts or alternative approaches is needed.

An additional effort would be to continue the search for more concrete information on actual usage of pesticides, ideally on a crop basis, in third countries. This information could come from sales records or from farmer associations, pesticide consultants or agrochemical industry active in these countries. Such data is either not available, or not (publicly) accessible, or only at a too high aggregation level (only pesticide classes, not at crop level, etc.). It is recommended that Dutch and EU authorities take political actions to stimulate other countries publishing data on pesticide usage.

Alternative approaches for reduction and/or prioritization of pesticides to be monitored in feed could be:

- i. desk-based: apart from selection based on MRL discrepancies, a layer of risk-based prioritization can be added. Risk in this context would need to be clearly defined (risk for animal health, human health or plant health) before pursuing this route.
- ii. laboratory analysis based: the long list of pesticides not included in the routine scope can be covered by a complementary screening analysis program. Here, the long list of pesticides identified in the current and previous desk studies are added to a target database to be used for suspect screening methods based on liquid and gas chromatography combined with high resolution mass spectrometry. In this approach, a subset of feed samples from third countries is screened for presence of the long list. Pesticides detected (and confirmed/quantified in a follow up measurement) are then candidates for inclusion in the routine scope. This screening serves as an analytical safety net to cover unexpected pesticides.

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Annex 1 Prioritised substances from Brazil

Table A1.1 Active substances previously prioritized for maize from Brazil, based on the higher MRLs in Brazil compared to EU MRLs (Hoffmans et al., 2021).

Active substances maize	CAS number	EU-MRLS-HARMONIZED	CODEX	RUSSIA	UKRAINE	BRAZIL
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
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
ACETAMIPRID	135410-20-7	0.01		0.5	0.01	0.05
ACETOCHLOR	34256-82-1	0.01	0.02	0.03	0.03	0.1
ACIBENZOLAR-S-METHYL	135158-54-2	0.01		0.1	0.05	
ALACHLOR	15972-60-8	0.01		0.02		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
AMICARBAZONE	129909-90-6	0.01			0.02	0.02
AMIDOSULFURON	120923-37-7	0.01		0.5	0.1	
AMINOPYRALID	150114-71-9	0.05		0.03	0.1	
ATRAZINE	1912-24-9	0.05		0.03	0.1	0.25
AZOXYSTROBIN	131860-33-8	0.02	0.02	0.02	0.2	0.01
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		
BENZOINDIFLUPYR	1072957-71-1	0.02		0.5	0.04	0.01
BENZOYLPROP-ETHYL	22212-55-1	0.01			0.1	
BETA-CYFLUTHRIN	1820573-27-0	0.05		0.1	0.05	0.05
BIFENTHRIN	82657-04-3	0.05	0.05	0.05	0.2	0.02
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
BOSCALID	188425-85-6	0.15	0.1	0.15	0.1	
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			
CAPTAN	133-06-2	0.07				2.0
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
CARFENTRAZONE-ETHYL	128639-02-1	0.05		0.02	0.2	0.05
CHLORANTRANILIPROLE/RYNAXYPYR	500008-45-7	0.02	0.02	25.0	0.01	0.07
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
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

Active substances maize	CAS number	EU-MRLS-HARMONIZED	CODEX	RUSSIA	UKRAINE	BRAZIL
CHLORPYRIFOS	2921-88-2	0.01	0.05	0.05	0.1	0.1
CHLORTHAL-DIMETHYL(DCPA)	1861-32-1	0.01				
CHLORTOLURON	15545-48-9	0.01		0.01	0.05	
CHROMAFENOZIDE	143807-66-3	0.01				0.1
CINIDON-ETHYL	142891-20-1	0.05			0.1	
CLETHODIM	99129-21-2	0.1				0.5
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
COPPER-HYDROXIDE	20427-59-2	10.0			5.0	
CRYOLITE	15096-52-3	0.01				
CYANTRANILIPROLE	736994-63-1	0.01	0.01	0.01	0.05	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
CYPRODINIL	121552-61-2	0.02		0.5	0.1	
CYPROSULFAMIDE	221667-31-8	0.01		0.1	0.5	
DDT	50-29-3	0.05	0.1	0.02		
DEETHYL-ATRAZINE	6190-65-4	0				
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				
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	
DIMETHENAMID	87674-68-8	0.01	0.01	0.02	0.02	0.01
DIMETHENAMID-P	163515-14-8	0.01	0.01		0.02	
DIMETHOATE	60-51-5	0.01		0.02	0.1	
DINICONAZOLE	83657-24-3	0.01		0.05	0.05	
DIQUAT	2764-72-9	0.02		0.05	0.4	
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
ENDOTHALL-DI-SALT	66330-88-9	0.01				
ENDOTHALL-DIPOTAS.-SALT	2164-07-0	0.01				
EPTC	759-94-4	0.01		0.05	0.05	
ESFENVALERATE	66230-04-4	0.02		0.01		1.0
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
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				

Active substances maize	CAS number	EU-MRLS-HARMONIZED	CODEX	RUSSIA	UKRAINE	BRAZIL
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	
FENPROPIIMORPH	67564-91-4	0.01		0.5	0.2	
FENPYROXIMATE	134098-61-6	0.01	0.01			
FENTHION	55-38-9	0.01		0.15	0.15	
FENVALERATE	51630-58-1	0.02		0.1	0.1	
FIPRONIL	120068-37-3	0.005	0.01	0.01	0.002	0.01
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
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
FLUENSULFONE	318290-98-1	0.01				0.02
FLUMETSULAM	98967-40-9	0.01		1.0	0.05	
FLUMIOXAZIN	103361-09-7	0.02	0.02			0.05
FLUOMETURON	2164-17-2	0.01		0.5		
FLUOPYRAM	658066-35-4	0.02	0.02	0.02	0.1	0.02
FLUORINE-CPDS	AI GROUP	2				
FLUOXASTROBIN	361377-29-9	0.01		0.5	0.05	
FLUPYRADIFURONE	951659-40-8	0.01	0.01			
FLURIDONE	59756-60-4	0.01				
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
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
GLUFOSINATE-AMMONIUM	77182-82-2	0.1	0.1	0.1	0.1	0.05
GLYPHOSATE	1071-83-6	1.0	5	1.0		1.0
GLYPHOSATE-TRIMESIUM	81591-81-3	0.05		0.3		
HALOSULFURON-METHYL	100784-20-1	0.01				
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				
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
IMAZETHAPYR	81335-77-5	0.01	0.1			
IMAZETHAPYR-AMMONIUM	101917-66-2	0.01				
IMIDACLOPRID	138261-41-3	0.1	0.05	0.1	0.05	0.5
INDOXACARB	173584-44-6	0.01		0.02		0.2
IODOSULFURON-METHYL	144550-06-1	0.01			0.025	
IODOSULFURON-M-NA	144550-36-7	0.01		0.2	0.025	0.01

Active substances maize	CAS number	EU-MRLS-HARMONIZED	CODEX	RUSSIA	UKRAINE	BRAZIL
IPCONAZOLE	125225-28-7	0.01		0.02	0.02	0.01
ISOPYRAZAM	881685-58-1	0.01		0.02	0.1	
ISOXADIFEN-ETHYL	163520-33-0	0.01		0.2		
ISOXAFLUTOLE	141112-29-0	0.02	0.02	0.05	0.02	0.01
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
LINURON	330-55-2	0.01				0.3
LUFENURON	103055-07-8	0.01	0.01			0.05
MANCOZEB	07-01-18	0.05				0.4
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		
MCPD	93-65-2	0.05		0.25	0.25	
MCPD-DIMETHYLAMINE-SALT	32351-70-5	0.05			0.25	
MCPD-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
METALAXYL	57837-19-1	0.02	0.05	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	
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
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
METHOXYFENOZIDE	161050-58-4	0.02	0.02			0.5
METOBROMURON	3060-89-7	0.01			0.2	
METOLACHLOR	51218-45-2	0.05			0.05	
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	
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	
N-BETA-ETHOX.CHLORACET-TOLUID	59333-47-0	0.01		0.5	0.5	
N-OCTYL-BICYLCOHEPTENE-DICARBOXIMIDE	113-48-4	0				
NALED	300-76-5	0.01				
NAPHTHALIC-ANHYDRIDE	81-84-5	0.01		0.02		
NICOSULFURON	111991-09-4	0.01		0.2	0.01	0.1
NITRAPYRIN	1929-82-4	0.01				
NOVALURON	116714-46-6	0.01			0.02	0.02
OMETHOATE	1113-02-6	0.01				
OXATHIPIPROLIN/ZORVEC	1003318-67-9	0.01	0.01			
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		
PARAQUAT-CHLORIDE	1910-42-5	0.02				0.1
PARAQUAT-DIMETHYLSULFATE	2074-50-2	0.02				
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

Active substances maize	CAS number	EU-MRLS-HARMONIZED	CODEX	RUSSIA	UKRAINE	BRAZIL
PENTHIOPYRAD	183675-82-3	0.01	0.01	0.2	0.2	
PERMETHRIN	52645-53-1	0.05	2	2.0	0.1	0.1
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
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
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
PRALLETHRIN	23031-36-9	0.01				
PRIMISULFURON-METHYL	86209-51-0	0.01		0.05		
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	
PROMETRYN	7287-19-6	0.01		0.1	0.1	
PROPACHLOR	1918-16-7	0.02		0.3	0.3	
PROPARGITE	2312-35-8	0.01	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
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	
PROTHIOCONAZOLE	178928-70-6	0.1	0.1	0.01	0.1	0.02
PYDIFLUMETOFEN/ADEPIDYN	1228284-64-7	0.01				
PYRACLOSTROBIN	175013-18-0	0.02	0.02	0.02	0.2	0.1
PYRIPROXYFEN	95737-68-1	0.05				
PYROXASULFONE/AXEEV	447399-55-5	0.01				0.02
PYROXSULAM	422556-08-9	0.01		0.5	0.01	
QUIZALOFOP-ETHYL	76578-14-8	0.01				
QUIZALOFOP-P-ETHYL	100646-51-3	0.02			0.05	
RESMETHRIN	10453-86-8	0.02				
RIMSULFURON	122931-48-0	0.01		0.01	0.05	
S-METHOPRENE	65733-16-6	5			0.5	
S-METOLACHLOR	87392-12-9	0.05		0.1	0.05	0.1
SEDAXANE	874967-67-6	0.01	0.01	0.3	0.01	
SETHOXYDIM	74051-80-2	0.1				0.3
SILTHIOFAM	175217-20-6	0.01			0.05	
SIMAZINE	122-34-9	0.01		0.1	1	0.02
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				
SULFOXAFLOL/ISOCLAST	946578-00-3	0.01	0.01		0.2	0.01
TCA-SODIUM	650-51-1	0.01		0.01	0.01	
TCMTB	21564-17-0	0.01				
TDE/DDD	72-54-8	0.05	0.1			
TEBUCONAZOLE	107534-96-3	0.02		0.1	0.025	0.1
TEBUFENOZIDE	112410-23-8	0.01				0.02
TEFLUBENZURON	83121-18-0	0.01	0.01			0.1
TEFLUTHRIN	79538-32-2	0.05		0.05	0.2	
TERBUFOS	13071-79-9	0.01	0.01	0.05		0.05

Active substances maize	CAS number	EU-MRLS-HARMONIZED	CODEX	RUSSIA	UKRAINE	BRAZIL
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
THIABENDAZOLE	148-79-8	0.01		0.2	0.2	0.2
THIACLOPRID	111988-49-9	0.01		0.05	0.05	
THIAMETHOXAM	153719-23-4	0.05	0.05	0.05	0.4	0.02
THIENCARBAZONE-METHYL	317815-83-1	0.01		0.5	0.4	
THIFENSULFURON-METHYL	79277-27-3	0.01		0.02	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			
TOPRAMEZONE	210631-68-8	0.01		0.1	0.2	
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	
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
TRIFLUMIZOLE	68694-11-1	0.02		0.05	0.05	
TRIFLUMURON	64628-44-0	0.01				0.1
TRIFLURALIN	1582-09-8	0.01				0.05

Table A1.2 Active substances previously prioritized for soybean products from Brazil based on the higher MRLs in Brazil compared to EU MRLs (Hoffmans et al., 2021).

Active substances Soy bean	CAS number	EU-MRLS-HARMONIZED	ARGENTINA	BRAZIL
2.4-D	94-75-7	0.05		0.1
2.4-DB	94-82-6	0.05	0.2	
4-CHLOROANILINE	106-47-8	0		
ACEPHATE	30560-19-1	0.3	0.5	0.02
ACETAMIPRID	135410-20-7	0.01	0.015	0.06
ACETOCHLOR	34256-82-1	0.01	0.4	0.1
ACIFLUORFEN	50594-66-6	0.01		
ACIFLUORFEN-NA	62476-59-9	0.01	0.02	0.02
AL-PHOSPHIDE	20859-73-8	0.05		0.1
ALACHLOR	15972-60-8	0.02	0.1	0.05
ALDRIN	309-00-2	0.02		
ALKYL-DIMET-E-BENZYL-AMM-CHLOR	85409-23-0	0.01		0.1
ALPHA-CYPERMETHRIN	67375-30-8	0.05	0.1	0.05
AMICARBAZONE	129909-90-6	0.01	0.5	
AMINOBTANE	13952-84-6	0.01		
BENAZOLIN-ETHYL	25059-80-7	0.01	0.05	
BENTAZONE	25057-89-0	0.03	0.05	0.02
BENZIMIDAZOLE	51-17-2	0.01		
BETA-CYFLUTHRIN	1820573-27-0	0.03	0.05	0.1
BETA-CYPERMETHRIN	65731-84-2	0.05	0.1	0.05
BISTRIFLURON	201593-84-2	0.01	0.02	
BIXAFEN	581809-46-3	0.01	0.01	0.7
BROMIDE-INORGANIC-CPDS	AI GROUP	50		
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		
CAPTAN	133-06-2	0.07		1.0
CARBARYL	63-25-2	0.05		
CARBENDAZIM	10605-21-7	0.2	0.2	0.5
CARBOXIN	5234-68-4	0.05		0.2
CARFENTRAZONE-ETHYL	128639-02-1	0.02		0.1
CARTAP-HCL	15263-52-2	0.01		0.1
CHLORANTRANILIPROLE/RYNAXYPYR	500008-45-7	0.05	0.2	0.2
CHLORFENAPYR	122453-73-0	0.02	0.05	0.05
CHLORFLUAZURON	71422-67-8	0.01	0.01	0.05
CHLORIMURON-ETHYL	90982-32-4	0.01	0.05	0.05
CHLOROPICRIN	76-06-2	0.01		
CHLOROTHALONIL	1897-45-6	0.01	0.2	0.5
CHLORPYRIFOS	2921-88-2	0.01	0.01	0.01
CHLORTHAL-DIMETHYL(DCPA)	1861-32-1	0.02		
CHROMAFENOZIDE	143807-66-3	0.01		0.1
CLOMAZONE	81777-89-1	0.02	0.05	0.05
CLORANSULAM-METHYL	147150-35-4	0.01	0.01	0.02
CRYOLITE	15096-52-3	0.01		
CYANTRANILIPROLE	736994-63-1	0.4		0.01
CYCLANILIPROLE	1031756-98-5	0.01		0.01
CYFLUTHRIN	68359-37-5	0.03	0.05	0.01
CYHALOTHRIN	68085-85-8	0.01		0.05
CYPERMETHRIN	52315-07-8	0.05	0.1	0.05
CYPRODINIL	121552-61-2	0.02		0.1
DELTAMETHRIN	52918-63-5	0.02	0.02	0.5
DESMETHYLNORFLURAZON	23576-24-1	0.01		

Active substances Soy bean	CAS number	EU-MRLS-HARMONIZED	ARGENTINA	BRAZIL
DIAFENTHIURON	80060-09-9	0.01		0.3
DICHLORMID	37764-25-3	0.01		
DICLOSULAM	145701-21-9	0.01	0.01	0.02
DIELDRIN	60-57-1	0.02		
DIFENOCONAZOLE	119446-68-3	0.1	0.1	0.05
DIFLUBENZURON	35367-38-5	0.01	0.05	0.2
DIFLUOROACETIC-ACID	381-73-7	0.05		0.4
DIMETHENAMID	87674-68-8	0.01	0.02	0.01
DIMETHOATE	60-51-5	0.01	0.05	
DINOTEFURAN	165252-70-0	0.01	0.01	0.04
DIQUAT	2764-72-9	0.3		
DIURON	330-54-1	0.02		0.2
ENDOSULFAN	115-29-7	0.5		
ENDOTHALL-DI-SALT	66330-88-9	0.01		
ENDOTHALL-DIPOTAS.-SALT	2164-07-0	0.01		
ETHALFLURALIN	55283-68-6	0.01		
ETHION	563-12-2	0.02	0.05	
ETHIPROLE	181587-01-9	0.01		0.08
ETOFENPROX	80844-07-1	0.01		1.0
ETOXAZOLE	153233-91-1	0.01		
FENAMIDONE	161326-34-7	0.01		
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
FENOXAPROP	95617-09-7	0.01		
FENOXAPROP-ETHYL	66441-23-4	0.01	0.05	
FENPROPATHRIN	39515-41-8	0.01	0.1	0.05
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
FLUFENACET	142459-58-3	0.05		
FLUMETSULAM	98967-40-9	0.01	0.01	0.02
FLUMICLORAC-P	87546-18-7	0.01	0.05	0.05
FLUMIOXAZIN	103361-09-7	0.05	0.015	0.1
FLUOMETURON	2164-17-2	0.01		
FLUORINE-CPDS	AI GROUP	2		
FLUOXASTROBIN	361377-29-9	0.01		
FLUPYRADIFURONE	951659-40-8	0.01		0.4
FLUQUINCONAZOLE	136426-54-5	0.01		0.05
FLUSILAZOLE	85509-19-9	0.01	0.01	
FLUTOLANIL	66332-96-5	0.01		
FOMESAFEN	72178-02-0	0.02	0.01	0.05
GAMMA-CYHALOTHRIN	76703-62-3	0.05	0.2	0.05
GLYPHOSATE-AMMONIUM	114370-14-8	10		
GLYPHOSATE-DIMETHYLAMMONIUM-SALT	34494-04-7	10		
GLYPHOSATE-ETHANOLAMINE-SALT	40465-76-7	10		
GLYPHOSATE-ISOPROPYL-AMINE	38641-94-0	10		
GLYPHOSATE-POTASSIUM-SALT	70901-12-1	10		
GLYPHOSATE-TRIMESIUM	81591-81-3	10		
HALOSULFURON-METHYL	100784-20-1	0.01	0.01	
HALOXYFOP	69806-34-4	0.5		
HALOXYFOP-ETHOXYETHYL	87237-48-7	0.5		
HALOXYFOP-P-METHYL	72619-32-0	0.5	0.5	0.2
HYDROPRENE	41096-46-2	0.01		

Active substances Soy bean	CAS number	EU-MRLS-HARMONIZED	ARGENTINA	BRAZIL
IMAZAMOX	114311-32-9	0.05	0.1	0.3
IMAZETHAPYR	81335-77-5	0.01	0.1	0.1
IMAZETHAPYR-AMMONIUM	101917-66-2	0.01		
IMIDACLOPRID	138261-41-3	0.05	0.01	0.1
INDOXACARB	173584-44-6	0.5		0.2
IPRODIONE	36734-19-7	0.01		0.5
ISOXAFLUTOLE	141112-29-0	0.02		0.02
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	0.05
LINURON	330-55-2	0.01	0.2	1.0
LUFENURON	103055-07-8	0.01	0.05	0.05
MAGNESIUM-PHOSPHIDE	12057-74-8	0.05		0.1
MALATHION	121-75-5	0.02		0.01
MANCOZEB	7-1-8018	0.1	0.05	0.3
MEFENPYR-DIETHYL	135590-91-9	0		
MEFENTRIFLUCONAZOLE	1417782-03-6	0.01		
METAFLUMIZONE	139968-49-3	0.05		0.2
METALAXYL	57837-19-1	0.1		
METALAXYL-METHYL	70630-17-0	0.1		0.05
METHOXYFENOZIDE	161050-58-4	0.01	0.01	0.15
METIRAM	9006-42-2	0.1		0.3
METOLACHLOR	51218-45-2	0.05	0.05	
METOMINOSTROBIN	133408-50-1	0.01	0.5	0.02
METRIBUZIN	21087-64-9	0.1	0.1	0.1
MSMA	2163-80-6	0.01	0.2	
MYCLOBUTANIL	88671-89-0	0.05	0.02	0.02
N-OCTYL-BICYLCOHEPTENE-DICARBOXIMIDE	113-48-4	0		
NALED	300-76-5	0.01		
NAPTALAM	132-66-1	0.01	0.1	
NORFLURAZON	27314-13-2	0.01		
NOVALURON	116714-46-6	0.01	0.02	0.05
OMETHOATE	1113-02-6	0.01		
OXASULFURON	144651-06-9	0.01	0.02	
PARAQUAT	4685-14-7	0.02		
PARAQUAT-CHLORIDE	1910-42-5	0.02	0.05	0.1
PARAQUAT-DIMETHYLSULFATE	2074-50-2	0.02		
PENDIMETHALIN	40487-42-1	0.05	0.05	0.1
PENTHIOPYRAD	183675-82-3	0.3	0.3	
PHENTHOATE	7-3-2597	0.01	0.05	
PHOSPHINE	7803-51-2	0.05	0.01	0.1
PICOXYSTROBIN	117428-22-5	0.01	0.1	0.04
PIPERONYL-BUTOXIDE	51-03-6	0.01		
PRALLETHRIN	23031-36-9	0.01		
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	0.05	0.05
PYDIFLUMETOFEN/ADEPIDYN	1228284-64-7	0.01	0.01	
PYRIPROXYFEN	95737-68-1	0.05		0.05
PYROXASULFONE/AXEEV	447399-55-5	0.01	0.01	0.02
QUIZALOFOP-ETHYL	76578-14-8	0.01	0.05	
RESMETHRIN	10453-86-8	0.02		
S-METOLACHLOR	87392-12-9	0.05	0.05	0.05
SAFLUFENACIL	372137-35-4	0.1	0.03	0.03

Active substances Soy bean	CAS number	EU-MRLS-HARMONIZED	ARGENTINA	BRAZIL
SETHOXYDIM	74051-80-2	0.1	0.5	0.5
SODIUM-BROMIDE	7647-15-6	50		
SPIROTETRAMAT	203313-25-1	4		
SULFENTRAZONE	122836-35-5	0.01	0.05	0.01
SULFURYL-FLUORIDE	2699-79-8	0.01		
TEBUFENOZIDE	112410-23-8	0.01		0.05
TEFLUBENZURON	83121-18-0	0.05	0.1	0.1
TEPRALOXYDIM	149979-41-9	0.1		2.0
TETRACONAZOLE	112281-77-3	0.02	0.1	0.1
TETRANILIPROLE	1229654-66-3	0.01		
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		
THIODICARB	59669-26-0	0.01	0.2	0.1
THIOPHANATE-METHYL	23564-05-8	0.3	0.2	0.5
THIRAM	137-26-8	0.1		0.3
TIOXAZAFEN	330459-31-9	0.01		
TRIAZOPHOS	24017-47-8	0.01		0.02
TRIBENURON-METHYL	101200-48-0	0.01		
TRIFLOXYSTROBIN	141517-21-7	0.05	0.05	0.03
TRIFLUMURON	64628-44-0	0.01	0.003	0.1
TRIFLURALIN	1582-09-8	0.01	0.05	0.05

Annex 2 Prioritised substances from Ukraine

Table A2.1 Active substances previously prioritized for maize from Ukraine based on the higher MRLs in Ukraine compared to EU MRLs (Hoffmans et al., 2021).

Active substances maize	CAS number	EU-MRLS-HARMONIZED	CODEX	RUSSIA	UKRAINE
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	
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			
ACETAMIPRID	135410-20-7	0.01		0.5	0.01
ACETOCHLOR	34256-82-1	0.01	0.02	0.03	0.03
ACIBENZOLAR-S-METHYL	135158-54-2	0.01		0.1	0.05
ALACHLOR	15972-60-8	0.01		0.02	
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			
AMICARBAZONE	129909-90-6	0.01			0.02
AMIDOSULFURON	120923-37-7	0.01		0.5	0.1
AMINOPYRALID	150114-71-9	0.05		0.03	0.1
ATRAZINE	1912-24-9	0.05		0.03	0.1
AZOXYSTROBIN	131860-33-8	0.02	0.02	0.02	0.2
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	
BENZOINDIFLUPYR	1072957-71-1	0.02		0.5	0.04
BENZOYLPROP-ETHYL	22212-55-1	0.01			0.1
BETA-CYFLUTHRIN	1820573-27-0	0.05		0.1	0.05
BIFENTHRIN	82657-04-3	0.05	0.05	0.05	0.2
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
BOSCALID	188425-85-6	0.15	0.1	0.15	0.1
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		
CAPTAN	133-06-2	0.07			
CARBENDAZIM	10605-21-7	0.01		0.5	0.2
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	
CARBOXIN	5234-68-4	0.03		0.2	0.05
CARFENTRAZONE-ETHYL	128639-02-1	0.05		0.02	0.2
CHLORANTRANILIPROLE/RYNAXYPYR	500008-45-7	0.02	0.02	25.0	0.01
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			
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

Active substances maize	CAS number	EU-MRLS-HARMONIZED	CODEX	RUSSIA	UKRAINE
CHLORPYRIFOS	2921-88-2	0.01	0.05	0.05	0.1
CHLORTHAL-DIMETHYL(DCPA)	1861-32-1	0.01			
CHLORTOLURON	15545-48-9	0.01		0.01	0.05
CHROMAFENOZIDE	143807-66-3	0.01			
CINIDON-ETHYL	142891-20-1	0.05			0.1
CLETHODIM	99129-21-2	0.1			
CLODINAFOP-P	105512-06-9	0.02		0.05	0.05
CLOMAZONE	81777-89-1	0.01		0.1	
CLOQUINTOCET-MEXYL	99607-70-2	0.01		0.1	
CLOTHIANIDIN	210880-92-5	0.02	0.02	0.2	0.05
COPPER-HYDROXIDE	20427-59-2	10.0			5.0
CRYOLITE	15096-52-3	0.01			
CYANTRANILIPROLE	736994-63-1	0.01	0.01	0.01	0.05
CYFLUFENAMID	180409-60-3	0.01			0.05
CYHALOTHRIN	68085-85-8	0.01	0.02	0.02	
CYMOXANIL	57966-95-7	0.01			0.05
CYPROCONAZOLE	94361-06-5	0.1	0.01	0.1	0.2
CYPRODINIL	121552-61-2	0.02		0.5	0.1
CYPROSULFAMIDE	221667-31-8	0.01		0.1	0.5
DDT	50-29-3	0.05	0.1	0.02	
DEETHYL-ATRAZINE	6190-65-4	0			
DEMETON	8065-48-3	0.01		0.35	
DEMETON-S	126-75-0	0.01	0.02		
DIAFENTHIURON	80060-09-9	0.01			
DIAZINON	333-41-5	0.01	0.02	0.1	0.1
DICHLORMID	37764-25-3	0.01			
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
DIFLUBENZURON	35367-38-5	0.01			0.1
DIFLUFENICAN	83164-33-4	0.01		0.05	0.02
DIFLUFENZOPYR	1957168-02-3	0.01		0.1	0.4
DIMETHENAMID	87674-68-8	0.01	0.01	0.02	0.02
DIMETHENAMID-P	163515-14-8	0.01	0.01		0.02
DIMETHOATE	60-51-5	0.01		0.02	0.1
DINICONAZOLE	83657-24-3	0.01		0.05	0.05
DIQUAT	2764-72-9	0.02		0.05	0.4
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	
ENDOTHALL-DI-SALT	66330-88-9	0.01			
ENDOTHALL-DIPOTAS.-SALT	2164-07-0	0.01			
EPTC	759-94-4	0.01		0.05	0.05
ESFENVALERATE	66230-04-4	0.02		0.01	
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		
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			

Active substances maize	CAS number	EU-MRLS-HARMONIZED	CODEX	RUSSIA	UKRAINE
FENBUCONAZOLE	114369-43-6	0.01		0.2	
FENITROTHION	122-14-5	0.05	6	6.0	1
FENOXAPROP-P-ETHYL	71283-80-2	0.1		0.01	
FENPROPATHRIN	39515-41-8	0.01			
FENPROPIDIN	67306-00-7	0.01		0.25	0.1
FENPROPIIMORPH	67564-91-4	0.01		0.5	0.2
FENPYROXIMATE	134098-61-6	0.01	0.01		
FENTHION	55-38-9	0.01		0.15	0.15
FENVALERATE	51630-58-1	0.02		0.1	0.1
FIPRONIL	120068-37-3	0.005	0.01	0.01	0.002
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
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			
FLUMETSULAM	98967-40-9	0.01		1.0	0.05
FLUMIOXAZIN	103361-09-7	0.02	0.02		
FLUOMETURON	2164-17-2	0.01		0.5	
FLUOPYRAM	658066-35-4	0.02	0.02	0.02	0.1
FLUORINE-CPDS	AI GROUP	2			
FLUOXASTROBIN	361377-29-9	0.01		0.5	0.05
FLUPYRADIFURONE	951659-40-8	0.01	0.01		
FLURIDONE	59756-60-4	0.01			
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
FOLPET	133-07-3	0.07			0.1
FORAMSULFURON	173159-57-4	0.01		1.0	0.05
FURATHIOCARB	65907-30-4	0.01		0.02	
GAMMA-CYHALOTHRIN	76703-62-3	0.02	0.02	0.2	0.2
GLUFOSINATE-AMMONIUM	77182-82-2	0.1	0.1	0.1	0.1
GLYPHOSATE	1071-83-6	1.0	5	1.0	
GLYPHOSATE-TRIMESIUM	81591-81-3	0.05		0.3	
HALOSULFURON-METHYL	100784-20-1	0.01			
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			
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		
IMAZAPYR	81334-34-1	0.05	0.05		
IMAZETHAPYR	81335-77-5	0.01	0.1		
IMAZETHAPYR-AMMONIUM	101917-66-2	0.01			
IMIDACLOPRID	138261-41-3	0.1	0.05	0.1	0.05
INDOXACARB	173584-44-6	0.01		0.02	
IODOSULFURON-METHYL	144550-06-1	0.01			0.025
IODOSULFURON-M-NA	144550-36-7	0.01		0.2	0.025

Active substances maize	CAS number	EU-MRLS-HARMONIZED	CODEX	RUSSIA	UKRAINE
IPCONAZOLE	125225-28-7	0.01		0.02	0.02
ISOPYRAZAM	881685-58-1	0.01		0.02	0.1
ISOXADIFEN-ETHYL	163520-33-0	0.01		0.2	
ISOXAFLUTOLE	141112-29-0	0.02	0.02	0.05	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
LINURON	330-55-2	0.01			
LUFENURON	103055-07-8	0.01	0.01		
MANCOZEB	7-1-8018	0.05			
MANGANESE-CHLORIDE	5-1-7773	0		0.08	
MCPA-DIMETHYLAMINE-SALT	2039-46-5	0.05			0.1
MCPA-SODIUM-SALT	3653-48-3	0.05			0.2
MCPB	94-81-5	0.05		0.1	
MCPD	93-65-2	0.05		0.25	0.25
MCPD-DIMETHYLAMINE-SALT	32351-70-5	0.05			0.25
MCPD-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
METALAXYL	57837-19-1	0.02	0.05	0.1	0.1
METALAXYL-METHYL	70630-17-0	0.02		0.1	0.1
METALDEHYDE	108-62-3	0.05		0.7	0.1
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
METHAMIDOPHOS	10265-92-6	0.01			
METHIDATHION	950-37-8	0.02		0.1	
METHOMYL	16752-77-5	0.02	0.02	0.02	
METHOXYFENOZIDE	161050-58-4	0.02	0.02		
METOBROMURON	3060-89-7	0.01			0.2
METOLACHLOR	51218-45-2	0.05			0.05
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
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
N-BETA-ETHOX.CHLORACET-TOLUID	59333-47-0	0.01		0.5	0.5
N-OCTYL-BICYLCOHEPTENE-DICARBOXIMIDE	113-48-4	0			
NALED	300-76-5	0.01			
NAPHTHALIC-ANHYDRIDE	81-84-5	0.01		0.02	
NICOSULFURON	111991-09-4	0.01		0.2	0.01
NITRAPYRIN	1929-82-4	0.01			
NOVALURON	116714-46-6	0.01			0.02
OMETHOATE	1113-02-6	0.01			
OXATHIPIPROLIN/ZORVEC	1003318-67-9	0.01	0.01		
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	
PARAQUAT-CHLORIDE	1910-42-5	0.02			
PARAQUAT-DIMETHYLSULFATE	2074-50-2	0.02			
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

Active substances maize	CAS number	EU-MRLS-HARMONIZED	CODEX	RUSSIA	UKRAINE
PENTHIOPYRAD	183675-82-3	0.01	0.01	0.2	0.2
PERMETHRIN	52645-53-1	0.05	2	2.0	0.1
PHENTHOATE	7-3-2597	0.01		0.1	
PHOSALONE	2310-17-0	0.01		0.2	0.2
PHOSPHINE	7803-51-2	0.05	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
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
PRALLETHRIN	23031-36-9	0.01			
PRIMISULFURON-METHYL	86209-51-0	0.01		0.05	
PROCHLORAZ	67747-09-5	0.03	2	2.0	0.1
PROFENOFOS	41198-08-7	0.01		0.3	
PROHEXADIONE-CALCIUM	127277-53-6	0.02		0.2	0.2
PROMETRYN	7287-19-6	0.01		0.1	0.1
PROPACHLOR	1918-16-7	0.02		0.3	0.3
PROPARGITE	2312-35-8	0.01	0.1	0.1	
PROPАЗINE	139-40-2	0.01		0.2	0.2
PROPICONAZOLE	60207-90-1	0.05	0.05	0.05	0.1
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
PROTHIOCONAZOLE	178928-70-6	0.1	0.1	0.01	0.1
PYDIFLUMETOFEN/ADEPIDYN	1228284-64-7	0.01			
PYRACLOSTROBIN	175013-18-0	0.02	0.02	0.02	0.2
PYRIPROXYFEN	95737-68-1	0.05			
PYROXASULFONE/AXEEV	447399-55-5	0.01			
PYROXSULAM	422556-08-9	0.01		0.5	0.01
QUIZALOFOP-ETHYL	76578-14-8	0.01			
QUIZALOFOP-P-ETHYL	100646-51-3	0.02			0.05
RESMETHRIN	10453-86-8	0.02			
RIMSULFURON	122931-48-0	0.01		0.01	0.05
S-METHOPRENE	65733-16-6	5			0.5
S-METOLACHLOR	87392-12-9	0.05		0.1	0.05
SEDAXANE	874967-67-6	0.01	0.01	0.3	0.01
SETHOXYDIM	74051-80-2	0.1			
SILTHIOFAM	175217-20-6	0.01			0.05
SIMAZINE	122-34-9	0.01		0.1	1
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			
SULFOXAFLOL/ISOCLAST	946578-00-3	0.01	0.01		0.2
TCA-SODIUM	650-51-1	0.01		0.01	0.01
TCMTB	21564-17-0	0.01			
TDE/DDD	72-54-8	0.05	0.1		
TEBUCONAZOLE	107534-96-3	0.02		0.1	0.025
TEBUFENOZIDE	112410-23-8	0.01			
TEFLUBENZURON	83121-18-0	0.01	0.01		
TEFLUTHRIN	79538-32-2	0.05		0.05	0.2
TERBUFOS	13071-79-9	0.01	0.01	0.05	

Active substances maize	CAS number	EU-MRLS-HARMONIZED	CODEX	RUSSIA	UKRAINE
TERBUTHYLAZINE	5915-41-3	0.1		0.1	0.4
TERBUTRYN	886-50-0	0.01		0.1	0.1
TETRACONAZOLE	112281-77-3	0.05		0.2	0.05
THIABENDAZOLE	148-79-8	0.01		0.2	0.2
THIACLOPRID	111988-49-9	0.01		0.05	0.05
THIAMETHOXAM	153719-23-4	0.05	0.05	0.05	0.4
THIENCARBAZONE-METHYL	317815-83-1	0.01		0.5	0.4
THIFENSULFURON-METHYL	79277-27-3	0.01		0.02	0.05
THIODICARB	59669-26-0	0.01	0.02		
THIOPHANATE-METHYL	23564-05-8	0.01		1.0	1
THIRAM	137-26-8	0.1		0.1	0.05
TIOXAZAFEN	330459-31-9	0.01	0.01		
TOPRAMEZONE	210631-68-8	0.01		0.1	0.2
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
TRIASULFURON	82097-50-5	0.01		0.1	0.1
TRIAZOPHOS	24017-47-8	0.02		0.05	
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
TRIFLUMIZOLE	68694-11-1	0.02		0.05	0.05
TRIFLUMURON	64628-44-0	0.01			
TRIFLURALIN	1582-09-8	0.01			
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
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

Table A2.2 Active substances that are allowed in Ukraine without an MRL deemed necessary. Active substances that are allowed in the EU without MRL are removed from this list.

Active substances without MRL in Ukraine
Bark Salix spp.
Black and white whorl isolate WCS850
Clonostachys rosea strain J1446
Nettle spp
Potassium bicarbonate
Pyrophosphate of iron
QRD 460 Terpenoid Blend
Sodium bicarbonate
Sodium chloride
Sulfuric lime

Annex 3 Prioritised substances from US

Table A3.1 Active substances previously prioritized for maize from US.

Active substances maize	CAS number	EU-MRLS-HARMONIZED	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/RYN AXYPYR	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 SEE REMARK
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		

Active substances maize	CAS number	EU-MRLS- HARMONIZED	CODEX	RUSSIA	UKRAINE	BRAZIL	USA
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	
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		

Active substances maize	CAS number	EU-MRLS-HARMONIZED	CODEX	RUSSIA	UKRAINE	BRAZIL	USA
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		
FENPROPIIMORPH	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		
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

Active substances maize	CAS number	EU-MRLS-HARMONIZED	CODEX	RUSSIA	UKRAINE	BRAZIL	USA
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	7-1-8018	0.05				0.4	0.06
MANGANESE-CHLORIDE	5-1-7773	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		
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 SEE REMARK
OMETHOATE	1113-02-6	0.01					0.1

Active substances maize	CAS number	EU-MRLS-HARMONIZED	CODEX	RUSSIA	UKRAINE	BRAZIL	USA
OXATHIAPROLIN/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	7-3-2597	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
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
SPIROXAMINE	118134-30-8	0.01		0.2	0.1		

Active substances maize	CAS number	EU-MRLS-HARMONIZED	CODEX	RUSSIA	UKRAINE	BRAZIL	USA
SULFANILIC-ACID	121-57-3	0.01		1.0			
SULFENTRAZONE	122836-35-5	0.01					0.15
SULFOXAFLOL/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		
TRIFLUMURON	64628-44-0	0.01				0.1	
TRIFLURALIN	1582-09-8	0.01				0.05	0.05

Table A3.2 Active substances previously prioritized for soybean products from US.

Active substances soy bean	CAS number	EU-MRLS-HARMONIZED	ARGENTINA	BRAZIL	CANADA	CODEX	USA
2.4-D	94-75-7	0.05		0.1	0.02	0.01	0.02
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	0.02	0.5	0.3	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	0.05		0.05	0.05
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	0.02	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		0.03	0.03
BETA-CYPERMETHRIN	65731-84-2	0.05	0.1	0.05			
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		0.01	
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	0.03		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	0.05	
CHLORFENAPYR	122453-73-0	0.02	0.05	0.05		0.08	0.01
CHLORFLUAZURON	71422-67-8	0.01	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	0.01	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	0.01	0.02	0.01		0.02
CRYOLITE	15096-52-3	0.01					70
CYANTRANILIPROLE	736994-63-1	0.4		0.01			0.40
CYCLANILIPROLE	1031756-98-5	0.01		0.01	0.4	0.4	
CYFLUTHRIN	68359-37-5	0.03	0.05	0.01		0.03	0.03
CYHALOTHRIN	68085-85-8	0.01		0.05		0.05	
CYPERMETHRIN	52315-07-8	0.05	0.1	0.05	0.05	0.05	
CYPRODINIL	121552-61-2	0.02		0.1			
DELTAMETHRIN	52918-63-5	0.02	0.02	0.5	0.1	1	0.1
DESMETHYLNORFLURAZON	23576-24-1	0.01					0.1

Active substances soy bean	CAS number	EU-MRLS-HARMONIZED	ARGENTINA	BRAZIL	CANADA	CODEX	USA
DIAFENTHIURON	80060-09-9	0.01		0.3			
DICHLORMID	37764-25-3	0.01					0.05
DICLOSULAM	145701-21-9	0.01	0.01	0.02			0.020
DIELDRIN	60-57-1	0.02				0.05	
DIFENOCONAZOLE	119446-68-3	0.1	0.1	0.05	0.15	0.1	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	0.01	0.02	0.01	0.01
DIMETHOATE	60-51-5	0.01	0.05				0.05
DINOTEFURAN	165252-70-0	0.01	0.01	0.04			0.01
DIQUAT	2764-72-9	0.3			0.05	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	
FENPROPI MORPH	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			0.01		0.1
FLUMETSULAM	98967-40-9	0.01	0.01	0.02	0.05		0.05
FLUMICLORAC-P	87546-18-7	0.01	0.05	0.05			0.01
FLUMIOXAZIN	103361-09-7	0.05	0.015	0.1	0.02	0.02	0.02
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	0.01			0.05	
FLUTOLANIL	66332-96-5	0.01					0.20
FOMESAFEN	72178-02-0	0.02	0.01	0.05	0.05		
GAMMA-CYHALOTHRIN	76703-62-3	0.05	0.2	0.05		0.05	0.01
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	0.01				0.05
HALOXYFOP	69806-34-4	0.5				2	
HALOXYFOP-ETHOXYETHYL	87237-48-7	0.5				2	
HALOXYFOP-P-METHYL	72619-32-0	0.5	0.5	0.2		2	

Active substances soy bean	CAS number	EU-MRLS-HARMONIZED	ARGENTINA	BRAZIL	CANADA	CODEX	USA
HYDROPRENE	41096-46-2	0.01					0.2
IMAZAMOX	114311-32-9	0.05	0.1	0.3	0.1	0.01	
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	0.01	0.1	3.5	3	3.5
INDOXACARB	173584-44-6	0.5		0.2		0.5	0.8
IPRODIONE	36734-19-7	0.01		0.5			
ISOXAFLUTOLE	141112-29-0	0.02		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			0.01
LAMBDA-CYHALOTHRIN	91465-08-6	0.05	0.2	0.05	0.02	0.05	0.01
LINURON	330-55-2	0.01	0.2	1.0			1.0
LUFENURON	103055-07-8	0.01	0.05	0.05		0.01	
MAGNESIUM-PHOSPHIDE	12057-74-8	0.05		0.1			0.1
MALATHION	121-75-5	0.02		0.01			8
MANCOZEB	7-1-8018	0.1	0.05	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	0.05	1
METALAXYL-METHYL	70630-17-0	0.1		0.05	1		
METHOXYFENOZIDE	161050-58-4	0.01	0.01	0.15	1.5		1.0
METIRAM	9006-42-2	0.1		0.3			
METOLACHLOR	51218-45-2	0.05	0.05				0.20
METOMINOSTROBIN	133408-50-1	0.01	0.5	0.02			
METRIBUZIN	21087-64-9	0.1	0.1	0.1	0.3		0.3
MSMA	2163-80-6	0.01	0.2				
MYCLOBUTANIL	88671-89-0	0.05	0.02	0.02			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	0.05	0.1	0.1		0.1
PENTHIOPYRAD	183675-82-3	0.3	0.3		0.4	0.3	0.4
PHENTHOATE	7-3-2597	0.01	0.05				
PHOSPHINE	7803-51-2	0.05	0.01	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	0.01				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	0.05	0.05	0.25	0.07	2.0
PYDIFLUMETOFEN/ADEPIDYN	1228284-64-7	0.01	0.01		0.4		0.4
PYRIPROXYFEN	95737-68-1	0.05		0.05			0.1
PYROXASULFONE/AXEEV	447399-55-5	0.01	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

Active substances soy bean	CAS number	EU-MRLS-HARMONIZED	ARGENTINA	BRAZIL	CANADA	CODEX	USA
S-METOLACHLOR	87392-12-9	0.05	0.05	0.05	0.2		0.9
SAFLUFENACIL	372137-35-4	0.1	0.03	0.03	0.1	0.3	0.1
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	4	5
SULFENTRAZONE	122836-35-5	0.01	0.05	0.01	0.05		0.05
SULFURYL-FLUORIDE	2699-79-8	0.01					2.0
TEBUFENOZIDE	112410-23-8	0.01		0.05			
TEFLUBENZURON	83121-18-0	0.05	0.1	0.1	0.05	0.05	0.05
TEPRALOXYDIM	149979-41-9	0.1		2.0			
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	0.01		
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	0.2	0.5		0.5	0.2
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		0.01
TRIFLOXYSTROBIN	141517-21-7	0.05	0.05	0.03	0.08	0.05	0.08

Table A3.3 Active substances that are allowed in USA without an MRL deemed necessary. Active substances that are allowed in the EU without an MRL deemed necessary are removed from this list.

Substances without MRL in US

(2S)-5-Oxopyrrolidine-2-carboxylic Acid (L-PCA).

(S,S)-Ethylenediamine disuccinic acid trisodium salt (CAS Reg. No. 178949-82-1)

(Z)-11-Hexadecenal.

(Z)-7,8-epoxy-2-methyloctadecane (Disparlure).

[Poly[oxy(methyl-1,2-ethanediyl)], α -[2-bis(2-hydroxyethyl)amino]propyl]- ω -hydroxy,-ether with α -hydro- ω -hydroxypoly(oxy-1,2-ethanediyl) (1:2), mono-C12-16 alkyl ethers, (CAS Reg. No. 176022-82-5)

1,1,1,2-Tetrafluoroethane, (CAS Reg. No. 811-97-2)

1,1-Difluoroethane (CAS Reg. No. 75-37-6)

1,2,3-Propanetriol, homopolymer diisooctadecanoate (CAS Reg. No. 63705-03-3)

1,2-Dihydro-6-ethoxy-2,2,4-trimethylquinolene

1,3-Dibromo-5,5-Dimethylhydantoin.

1,3-Dioxolan-2-one, 4-methyl-(propylene carbonate)

1,3-Propanediol (CAS Reg. No. 504-63-2)

1,4-Dimethylnaphthalene.

1-docosanol (CAS Reg. No. 661-19-8)

1-eicosanol (CAS Reg. No. 629-96-9)

1-Methylcyclopropene.

1-octadecanol (CAS Reg. No. 112-92-5)

1-Octanal (CAS Reg. No. 124-13-0)

1-Octanamine, N,N-dimethyl-, N-oxide (CAS Reg. No. 2605-78-9)

1-Octanol.

1-tetradecanol (CAS Reg. No. 112-72-1)

1-Triacontanol.

1-undecanol (CAS Reg. No. 112-42-5)

2-(2'-Hydroxy-5'-methylphenyl)benzotriazole (CAS Reg. No. 2440-22-4)

2,2,5-trimethyl-3-dichloroacetyl-1,3-oxazolidine.

2,2-Dimethyl-1,3-dioxolane-4-methanol (CAS Reg. No.100-79-8)

Substances without MRL in US

2,4,7,9-Tetramethyl-5-decyn-4, 7-diol
2,4,7,9-Tetramethyl-5-decyne-4.7-diol
2,6-Pyridinedicarboxylic acid (CAS Reg. No. 499-83-2)
2-Amino-4,5-dihydro-6-methyl-4-propyl-s-triazolo(1,5-alpha)pyrimidin-5-one.
2-Bromo-2-nitro-1,3-propanediol (CAS Reg. No. 52-51-7)
2-Ethyl-1-hexanol (CAS Reg. No. 104-76-7)
2-Isobutyl-2-methyl-1,3-dioxolane-4-methanol (CAS Reg. No. 5660-53-7)
2-methyl-1,3-propanediol (CAS Reg. No. 2163-42-0)
2-methyl-2,4-pentanediol (CAS Reg. No. 107-41-5)
2-Phenoxyethanol (CAS Reg. No. 122-99-6)
2-Propanol (isopropyl alcohol)
2-Propanol, 1,1',1''-nitrilotris- (CAS No. 122-20-3)
2-Propenoic acid, 2-methyl-, polymer with ethyl 2-propenoate and methyl 2-methyl-2-propenoate, ammonium salt (CAS Registration No. 55989-05-4), minimum number average molecular weight (in amu), 18,900.
3,6-Dimethyl-4-octyn-3,6-diol
3,7,11-Trimethyl-1,6,10-dodecatriene-1-ol and 3,7,11-trimethyl-2,6,10-dodecatriene-3-ol.
3-Carbamyl-2,4,5-trichlorobenzoic acid.
3-decen-2-one.
3-hexen-1-ol, (3Z)- (CAS Reg. No. 928-96-1)
5-decyne-4,7-diol, 2,4,7,9-tetramethyl- (CAS Reg. No. 126-86-3)
68953-93-5, 68953-98-0, 70528-84-6, 72391-21-0, 84961-74-0, 85480-55-3, 85480-56-4, 85995-82-0, 90194-42-6, 90194-53-9, 90194-54-0, 90194-55-1, 90218-09-0, 90218-11-4, 90218-35-2, 96687-54-6, 99924-49-9, 121617-08-1, 157966-96-6, 193562-36-6, 319926-68-6, 877677-48-0, 1093628-27-3).
6-Benzyladenine.
6-dodecyne-5,8-diol, 2,5,8,11-tetramethyl- (CAS Reg. No. 68227-33-8)
Acetic anhydride
Acetone (Cas Reg. No. 67-64-1)
Acrylate polymers and copolymers.
Alcohols C16-18, distn. residues (CAS Reg. No. 68603-17-8 & CAS Reg. No. 1190630-03-5)
Alcohols, C2-33, manuf. of, by-products from, overheads (CAS Reg. No. 876065-86-0)
Alkanoic and alkenoic acids, mono- and diesters of α -hydro- ω -hydroxypoly (oxyethylene) with molecular weight (in amu) range of 200 to 6,000
Alkanoic and alkenoic acids, mono- and diesters of α -hydro- ω -hydroxypoly(oxyethylene) with molecular weight (in amu) range of 200 to 6,000
alkenes C18-22, mixed with polyethylene, oxidized, hydrolyzed, distn. residues from C16-18 alcs. manuf. (CAS Reg. No. 1430895-61-6)
alkenes, C18-22, mixed with polyethylene, oxidized, hydrolyzed, distn. residues from C20-22 alcs. manuf. (CAS Reg. No. 1430895-62-7)
Alkyl (C ₁₂ -C ₁₆) dimethyl ammonio acetate (CAS Reg. Nos. 683-10-3, 2601-33-4 and 693-33-4)
Alkyl (C ₈ -C ₁₈) sulfate and its ammonium, calcium, isopropylamine, magnesium, potassium, sodium, and zinc salts
Alkyl (C ₈ -C ₁₈) sulfate and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts
Alkyl (C ₈ -C ₂₄) benzenesulfonic acid and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts
Allyl isothiocyanate as a component of food grade oil of mustard.
Alpha-cyclodextrin
Aluminum hydroxide
Aluminum isopropoxide and aluminum secondary butoxide.
Aluminum oxide
Aluminum stearate
Amides, C5-C9, N-[3-(dimethylamino) propyl] (CAS Reg. No. 1044764-00-2)
Amides, C6-C12, N-[3-(dimethylamino) propyl] (CAS Reg. No. 1044764-06-8)
Ammonium bicarbonate
Ammonium carbamate
Ammonium chloride
Ammonium hydroxide
Ammonium persulfate (CAS Reg.No. 7727-54-0)
Ammonium salts of fatty acids (C8-C18 saturated) (CAS Reg. No. 5972-76-9, 63718-65-0, 16530-70-4, 32582-95-9, 2437-23-2, 191799-95-8, 16530-71-5, 93917-76-1, 5297-93-8, 94266-36-1, 1002-89-7)

Substances without MRL in US

Ammonium salts of higher fatty acids (C8-C18 saturated; C8-C12 unsaturated).

Ammonium stearate

Ammonium sulfate

Ammonium thiosulfate

Amyl acetate

Amylopectin, acid-hydrolyzed, 1-octenylbutanedioate

Amylopectin, hydrogen 1-octadecenylbutanedioate

Animal glue

Arthropod pheromones.

Ascorbic acid (vitamin C)

Ascorbyl palmitate

Aspergillus flavus NRRL 21882.

Aspergillus flavus strain AF36.

Aspergillus flavus strains TC16F, TC35C, TC38B, and TC46G; exemptions from the requirement of a tolerance.

Attapulgite-type clay

Autographa californica multiple nucleopolyhedrovirus strain FV#11.

Autographa californica multiple nucleopolyhedrovirus strain R3.

Auxins.

Azadirachtin.

Bacillus amyloliquefaciens strain PTA-4838.

Bacillus amyloliquefaciens strain ENV503.

Bacillus amyloliquefaciens strain F727.

Bacillus cereus strain BPO1.

Bacillus licheniformis strain FMCH001.

Bacillus mycoides isolate J.

Bacillus paralicheniformis strain CH2970.

Bacillus pumilus GB34.

Bacillus pumilus strain BU F-33.

Bacillus pumilus strain GHA 180.

Bacillus simplex strain BU288

Bacillus sphaericus

Bacillus subtilis strain AFS032321.

Bacillus subtilis strain CX-9060.

Bacillus subtilis strain CH3000.

Bacillus subtilis GB03.

Bacillus subtilis strain BU1814.

Bacillus subtilis strain FMCH002.

Bacillus subtilis strain RTI477.

Bacillus subtilis var. amyloliquefaciens strain FZB24.

Bacillus thuringiensis fermentation solids and/or solubles

Bacillus velezensis strain RTI301.

Bacteriophage active against Xanthomonas citri subsp. citri.

Bacteriophage active against Erwinia amylovora; exemption from the requirement of a tolerance.

Bacteriophage active against Pseudomonas syringae pv. syringae; exemption from the requirement of a tolerance.

Bacteriophage active against Xanthomonas arboricola pv. corylina; exemption from the requirement of a tolerance.

Bacteriophage active against Xanthomonas arboricola pv. juglandis; exemption from the requirement of a tolerance.

Bacteriophage active against Xanthomonas arboricola pv. pruni; exemption from the requirement of a tolerance.

Bacteriophage active against Xylella fastidiosa; exemption from the requirement of a tolerance.

Bacteriophage of Clavibacter michiganensis subspecies michiganensis.

Banda de Lupinus albus doce (BLAD).

Barium sulfate (CAS Reg. No. 7727-43-7)

Beauveria bassiana HF23.

Beauveria bassiana strain ANT-03.

Beeswax

Bentonite

Substances without MRL in US

Benzoic acid, sodium salt

Benzyl alcohol (CAS Reg. No. 100-51-6)

Beta-cyclodextrin

Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-, homopolymer (Alpha-pinene, homopolymer)(CAS Reg. No. 25766-18-1)

Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-, polymer with 6,6-dimethyl-2-methylenebicyclo [3.1.1] heptane (Copolymer of alpha- and beta-pinene) (CAS Reg. No. 31393-98-3)

Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-, homopolymer (Beta-pinene, homopolymer) (CAS Reg. No. 25719-60-2)

Biochemical pesticide plant floral volatile attractant compounds: cinnamaldehyde, cinnamyl alcohol, 4-methoxy cinnamaldehyde, 3-phenyl propanol, 4-methoxy phenethyl alcohol, indole, and 1,2,4-trimethoxybenzene; exemptions from the requirement of a tolerance.

bird feed

Boiled linseed oil; exemption from requirement of tolerance.

Boric acid and its salts, borax (sodium borate decahydrate), disodium octaborate tetrahydrate, boric oxide (boric anhydride), sodium borate and sodium metaborate; exemptions from the requirement of a tolerance.

Butane

Butanedioic acid, 2-sulfo-, C-C9-11-isoalkyl esters, C10-rich, disodium salts (CAS Reg. No. 815583-91-6)

Butoxypolypropylene glycol (CAS Reg. No. 9003-13-8)

Butylated hydroxyanisole

Butylated hydroxytoluene

C10-11 rich aromatic hydrocarbons (CAS Reg. No. 64742-94-5)

C10-C18-Alkyl dimethyl amine oxides (CAS Reg. Nos. 1643-20-5, 2571-88-2, 2605-79-0, 3332-27-2, 61788-90-7, 68955-55-5, 70592-80-2, 7128-91-8, 85408-48-6, and 85408-49-7)

C11-12 rich aromatic hydrocarbons (CAS Reg. No. 64742-94-5)

C12-C18 fatty acid potassium salts.

C8, C10, and C12 fatty acid monoesters of glycerol and propylene glycol.

C9 rich aromatic hydrocarbons (CAS Reg. No. 64742-95-6)

cacao

Calcareous shale

Calcite

Calcium chloride

Calcium hypochlorite

Calcium lactate pentahydrate (CAS Reg. No. 5743-47-5)

Calcium oxide

Calcium phosphate

Calcium salt of partially dimerized rosin, conforming to 21 CFR 172.210

Calcium silicate

Calcium silicate, hydrated calcium silicate

Calcium stearate (CAS Reg. No. 1592-23-0)

Calcium sulfate

Capsaicin.

Carbon black (CAS Reg. No. 1333-86-4)

Carbonic acid, monopotassium salt

Carbonic acid, monosodium salt (sodium bicarbonate)

Carnauba wax

Carob gum (locust bean gum)

Carrageenan, conforming to 21 CFR 172.620

Castor oil

Castor oil, hydrogenated

Cocamidopropylamine oxide (CAS Reg. No. 68155-09-9)

Cellulose

Cellulose acetate

Cellulose, 2-hydroxyethyl ether

Cellulose, 2-hydroxypropyl ether

Cellulose, 2-hydroxypropyl methyl ether

Cellulose, carboxy methyl ether, sodium salt

Cellulose, methyl ether

Substances without MRL in US

Cellulose, mixture with cellulose carboxymethyl ether, sodium salt
Cellulose, pulp
Cellulose, regenerated
Cetyl alcohol (CAS Reg. No. 36653-82-4)
Charcoal, activated
Chlorate.
Chlorine gas; exemptions from the requirement of a tolerance.
Choline Chloride.
Chromobacterium subtsugae strain PRAA4-1 T.
Chrysodeixis includens nucleopolyhedrovirus isolate #460.
Cinnamaldehyde.
Citric acid
Citric acid, 2-(acetyloxy)-, tributyl ester
Citric acid, calcium salt
Citric acid, calcium salt (2:3)
Citric acid, dipotassium salt
Citric acid, disodium salt
Citric acid, monohydrate
Citric acid, monopotassium salt
Citric acid, monosodium salt
Citric acid, potassium salt
Citric acid, sodium salt
Citric acid, triethyl ester
Citric acid, tripotassium salt
Citric acid, tripotassium salt, monohydrate
Citric acid, trisodium salt
Citric acid, trisodium salt, dihydrate
Citric acid, trisodium salt, pentahydrate
Citrus tristeza virus expressing spinach defensin proteins 2, 7, and 8.
Clarified hydrophobic extract of neem oil.
Clonostachys rosea strain CR-7.
Coconut shells
Cod liver oil
Codlure, (E,E)-8,10-Dodecadien-1-ol.
Coffee grounds
Cold pressed neem oil.
Colletotrichum gloeosporioides f. sp. aescynomene; exemption from the requirement of a tolerance.
Complex Polymeric Polyhydroxy Acids (CPPA).
Copper
Croscarmellose sodium (CAS Reg. No. 74811-65-7)
crustacea
Cumene sulfonic acid and its ammonium, calcium, magnesium, potassium, sodium and zinc salts (CAS Reg. Nos. 15763-76-5, 16066-35-6, 164524-02-1, 28085-69-0, 28348-53-0, 28631-63-2, 32073-22-6, 37475-88-0, 37953-05-2, and 90959-88-9)
Cyclaniliprole.
Cyclohexanone
Cytokinins.
D&C Green No. 6
D&C Red No. 17
D&C Violet No. 2
d-Alpha tocopherol (CAS Reg. No. 9-02-9)
d-Alpha tocopheryl acetate (CAS Reg. No. 58-95-7)
Decanoic acid.
Deoxyribonucleic acid (DNA) sequences consisting solely of adenine, cytosine, guanine and thymine, of 300 or fewer base pairs, and which do not contain start codons or regulatory sequences necessary for the initiation of transcription or translation
Dextrins

Substances without MRL in US

D-glucitol, 1,4:3,6-dianhydro-2,5-di-O-methyl- (CAS Reg. No. 5306-85-4); D-glucitol, 1,4:3,6-dianhydro-2,5-di-O-ethyl- (CAS Reg. No. 30915-81-2); D-glucitol, 1,4:3,6-dianhydro-2,5-di-O-propyl- (CAS Reg. No. 107644-13-3); D-glucitol, 1,4:3,6-dianhydro-2,5-bis-O-(1-methylethyl)-, (iso-propyl diether) (CAS Reg. No. 103594-41-8); D-glucitol, 1,4:3,6-dianhydro-2,5-di-O-butyl- (CAS Reg. No. 103594-42-9); D-glucitol, 1,4:3,6-dianhydro-2,5-di-O-(1-methylpropyl)-, (CAS Reg. No. not assigned); and D-glucitol, 1,4:3,6-dianhydro-2,5-di-O-(2-methylpropyl)-, (CAS Reg. No. not assigned)

D-Glucitol, 1-deoxy-1-(methyl-amino)-, N-C8-10 acyl derivatives (CAS Reg. No. 1591782-62-5)

D-glucopyranose, oligomeric, 6-(dihydrogen citrates), C8-20 branched and linear alkyl glycosides, sodium salts (CAS Reg. No. 1079993-97-7)

D-glucopyranose, oligomeric, 6-(hydrogen sulfosuccinates), C8-20 branched and linear alkyl glycosides, sodium salts (CAS Reg. No. 1079993-92-2)

D-glucopyranose, oligomeric, C10-16-alkyl glycosides (CAS Reg. No. 110615-47-9)

D-glucopyranose, oligomeric, lactates, C8-20 branched and linear alkyl glycosides (CAS Reg. No. 1079993-94-4)

D-glucopyranose, oligomeric, maleates, C10-16-alkyl glycosides, sulfonated, potassium salts (CAS Reg. No. 2587364-77-8)

D-glucopyranose, oligomeric, maleates, C9-11-branched and linear alkyl glycosides, sulfonated, potassium salts (CAS Reg. No. 1228577-37-4)

D-glucopyranose, oligomeric, maleates, decyl octyl glycosides, sulfonated, potassium salts (CAS Reg. No. 2585031-35-0)

D-glucurono-6-deoxy-L-manno-D-glucan, acetate, calcium magnesium potassium sodium salt (diutan gum) (CAS Reg. No. 595585-15-2)

Dialkyl (C8-C18) dimethyl ammonium chloride

Diallyl sulfides.

Dibasic esters.

Diethanolamine salts of alkyl (C₈-C₂₄) benzenesulfonic acid (CAS Reg. Nos. 26545-53-9, 67815-95-6, 67889-94-5, 67889-95-6, 68259-34-7, 68478-47-7, 68567-68-0, 68815-34-9, 68815-37-2, 68891-02-1, 68953-97-9, 84989-15-1, 85338-09-6, 90194-39-1, 90194-40-4, 90218-08-9)

Diethylaminethanol, ethoxylated, reaction product with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-72-1)

Diethylaminoethanol, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-75-4)

Diethylaminoethanol, ethoxylated, propoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-83-4)

Diethylaminoethanol, ethoxylated, reaction product with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-72-1)

Diethylaminoethanol, ethoxylated, reaction products with acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-81-2)

Diethylaminoethanol, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-81-2)

Diethylene glycol abietate

Diethylphthalate

Diglycerol (CAS Reg. No. 59113-36-9)

Diisopropanolamine (CAS Reg. No. 110-97-4)

Diisopropyl adipate (CAS Reg. No. 6938-94-9)

Dimethyl adipate (CAS no. 627-93-0)

Dimethyl ether (CAS Reg. No. 115-10-6)

Dimethyl ether (methane, oxybis-) (CAS Reg. No. 115-10-6)

Dimethyl glutarate (CAS no. 1119-40-0)

Dimethyl succinate (CAS no. 106-65-0)

Dimethyl sulfoxide.

Dimethylaminoethanol, ethoxylated, propoxylated reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-67-4)

Dimethylaminoethanol, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-42-5)

Dimethylaminoethanol, ethoxylated, propoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-67-4)

Dimethylaminoethanol, ethoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-38-9)

Dimethylaminoethanol, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-38-9)

Dimethylaminoethanol, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-49-2)

Substances without MRL in US

Dimethylaminopropylamine, isopropylamine, ethanolamine, and triethanolamine salts of alkyl (C₈-C₂₄) benzenesulfonic acid (CAS Reg. Nos. 3088-30-0, 12068-12-1, 26264-05-1, 26836-07-7, 27323-41-7, 55470-69-4, 58089-99-9, 61886-59-7, 61931-76-8, 67924-05-4, 68110-32-7, 68259-35-8, 68411-31-4, 68442-72-8, 68567-69-1, 68584-24-7, 68584-25-8, 68648-81-7, 68648-96-4, 68649-00-3, 68815-30-5, 68815-35-0, 68910-32-7)

Dimethylpolysiloxane (CAS Reg. No. 9016-00-6)

di-n-Butyl adipate (CAS Reg. No. 105-99-7)

Di-n-butyl carbonate (CAS Reg. No. 542-52-9)

Dipropylene glycol

Dipropylene glycol monomethyl ether

Disodium phosphate

Disodium zinc ethylenediaminetetraacetate dihydride

Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS Reg. No. 64742-65-0)

Distillates, (Fischer-Tropsch), heavy, C18-C50, branched, cyclic and linear (CAS Reg. No. 848301-69-9)

dl-Alpha tocopherol (CAS Reg. No. 10191-41-0)

dl-Alpha tocopheryl acetate (CAS Reg. No. 7695-91-2)

d-Limonene (CAS Reg. No. 5989-27-5)

d-Limonene.

Dolomite

Duddingtonia flagrans strain IAH 1297.

Ea peptide 91398.

eggs

Epoxidized linseed oil

Epoxidized soybean oil

Epoxidized soybean oil (CAS Reg. No. 8013-07-8)

Erucamide (CAS Reg. No. 112-84-5)

Escherichia coli O157:H7 specific bacteriophages; temporary exemption from the requirement of a tolerance.

Ethanesulfonic acid, 2-hydroxy- (CAS Reg. No. 107-36-8)

Ethanesulfonic acid, 2-hydroxy-, ammonium salts (CAS Reg. No. 57267-78-4)

Ethanesulfonic acid, 2-hydroxy-, calcium salts (CAS Reg. No. 10550-47-7)

Ethanesulfonic acid, 2-hydroxy-, magnesium salts (CAS Reg. No. 17345-56-1)

Ethanesulfonic acid, 2-hydroxy-, potassium salts (CAS Reg. No. 1561-99-5)

Ethanesulfonic acid, 2-hydroxy-, sodium salts (CAS Reg. No. 1562-00-1)

Ethanesulfonic acid, 2-hydroxy-, zinc salts (CAS Reg. No. 129756-32-7)

Ethyl acetate

Ethyl alcohol

Ethyl esters of fatty acids derived from edible fats and oils

Ethyl maltol (CAS Reg. No. 4940-11-8)

Ethyl-2E,4Z-decadienoate (Pear Ester).

Ethylene glycol (CAS Reg. No. 107-21-1)

Ethylene glycol.

Ethylene oxide adducts of 2,4,7,9-tetramethyl-5-decynediol, the ethylene oxide content averages 3.5, 10 or 30 moles (CAS Reg. No. 9014-85-1)

Ethylenebis(oxyethylene) bis[3-(5-tert-butyl-4-hydroxy-m-tolyl) propionate] (CAS Reg. No. 36443-68-2)

Ethylenediaminetetraacetic acid

Ethylenediaminetetraacetic acid, tetrasodium salt

Eucalyptus oil.

Extract of *Caesalpinia spinosa*; exemption from the requirement of a tolerance.

Extract of *Chenopodium ambrosioides* near *ambrosioides*.

Extract of *Swinglea glutinosa*.

F.D.&C. Blue No. 1.

Fatty acids, tall-oil, esters with triethanolamine, ethoxylated (CAS Reg. No. 68605-38-9)

FD&C Blue No. 1

FD&C Red No. 40 (CAS Reg. No. 25956-17-6) conforming to 21 CFR 74.340

FD&C Yellow No. 6 Aluminum Lake (CAS Reg. No. 15790-07-5)

Ferric Citrate (CAS Reg. No. 2338-05-8)

Ferric sulfate

Substances without MRL in US

fish

Fig22-Bt Peptide.

Florpyrauxifen-benzyl.

Flutianil.

Foramsulfuron.

Fulvic acid (CAS Reg. No. 479-66-3)

Fumaric acid

Furcelleran

Gamma aminobutyric acid.

Gamma-cyclodextrin

GBM-ROPE.

Gellan gum

Gliocladium catenulatum strain J1446.

Gliocladium virens isolate GL-21.

Glycerides, edible fats and oils derived from plants and animals, reaction products with sucrose (CAS Reg. Nos. 100403-38-1, 100403-41-6, 100403-39-2, 100403-40-5)

Glycerol (glycerin) (1,2,3-propanetriol)

Glycerol mono-, di-, and triacetate

Glycerol monooleate

Glyceryl monostearate

Glyceryl tris-12-hydroxystearate

Gossypure.

Granite

Graphite

GS-omega/kappa-Hxtx-Hv1a.

Guar gum

Gum arabic (acacia)

Gypsum

Harpin protein.

Heat-killed Burkholderia spp. strain A396 cells and spent fermentation media exemption from the requirement of a tolerance.

Herbs such as basil, anise, or fenugreek.

Hexamethylenetetramine

Homobrassinolide.

Humic acid

Humic acid, potassium salt

Humic acid, sodium salt

Hydrochloric acid

Hydroxyethylidine diphosphonic acid (HEDP) (CAS Reg. No. 2809-21-4)

Hydroxyethylmorpholine, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189-06-4)

Hydroxyethylmorpholine, ethoxylated, propoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173188-67-4)

Hydroxyethylmorpholine, ethoxylated, propoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189-17-7)

Hydroxyethylmorpholine, ethoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189-00-8)

Hydroxyethylmorpholine, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189-09-7)

Hydroxyethylpiperidine, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189-22-4)

Hydroxyethylpiperidine, ethoxylated, propoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189-22-4)

Hydroxyethylpiperidine, ethoxylated, propoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189-28-0)

Hydroxyethylpiperidine, ethoxylated, reaction products with fatty acid dimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189-20-2)

Hydroxyethylpiperidine, ethoxylated, reaction products with fatty acid trimers, minimum number average molecular weight (in amu), 1,200 (CAS Reg. No. 1173189-25-7)

Substances without MRL in US

Imazamox.

Inclusion bodies of the multi-nuclear polyhedrosis virus of *Anagrapha falcifera*; exemption from the requirement of a tolerance.

Indian Meal Moth Granulosis Virus.

Inert ingredients of semiochemical dispensers; exemptions from the requirement of a tolerance.

Inert ingredients used pre- and post-harvest; exemptions from the requirement of a tolerance.

Iodine-detergent complex.

Iron oxide (CAS Reg. No. 1309-37-1)

Iron oxide (Fe₃O₄) (CAS Reg. No. 1317-61-9)

Iron oxide yellow (CAS Reg. No. 20344-49-4)

Isaria fumosorosea (formerly *Paecilomyces fumosoroseus*) Apopka strain 97.

Isaria fumosorosea strain FE 9901.

Isoamyl acetate (CAS Reg. No. 123-92-2)

Isobutane (CAS Reg. No. 75-28-5)

Isobutyl Acetate (CAS Reg. No. 110-19-0)

Isobutyl isobutyrate (CAS Reg. No. 97-85-8)

Isobutyric Acid (CAS Reg. No. 79-31-2)

Isomate-C.

Isomate-M.

Isophorone.

Isopropyl myristate (CAS Reg. No. 110-27-0)

Isopropyl myristate, CAS Reg. No. 110-27-0

Isopropyl-3-hydroxybutyrate (CAS Reg. No. 54074-94-1)

Jajoba oil.

Kaolin.

Kaolinite-type clay

Kerosene, U.S.P. reagent

Killed *Myrothecium verrucaria*; exemption from the requirement of a tolerance.

Killed, nonviable *Streptomyces acidiscabies* strain RL-110 T.

Kosakonia cowanii strain SYM00028.

Lactic acid, 2-ethylhexyl ester (CAS Reg. No. 6283-86-9)

Lactic acid, 2-ethylhexyl ester, (2S)- (CAS Reg. No. 186817-80-1)

Lactic acid, ethyl ester

Lactic acid, ethyl ester, (S)

Lactic acid, n-butyl ester

Lactic acid, n-butyl ester, (S)

Lactic acid, n-propyl ester, (S); (CAS Reg. No. 53651-69-7)

Lauryl alcohol

Lavandulyl senecioate.

Ledprona double-stranded RNA (CAS# 2433753-68-3).

Lepidopteran pheromones.

L-glutamic acid.

Licorice Extract

Lignin (CAS Reg. No. 9005-53-2)

Lignin alkali reaction products with disodium sulfite and formaldehyde (CAS Reg. No. 105859-97-0)

Lignin alkali reaction products with formaldehyde and sodium bisulfite (CAS Reg. No. 68512-35-6)

Lignin, alkali (CAS Reg. No. 8068-05-1)

Lignin, alkali, oxidized, sodium salt (CAS Reg. No. 68201-23-0)

Lignosulfonic acid (CAS Reg. No. 8062-15-5)

Lignosulfonic acid, ammonium calcium salt (CAS Reg. No. 12710-04-2)

Lignosulfonic acid, ammonium magnesium salt (CAS Reg. No. 123175-37-1)

Lignosulfonic acid, ammonium salt (CAS Reg. No. 8061-53-8)

Lignosulfonic acid, ammonium sodium salt (CAS Reg. No. 166798-73-8)

Lignosulfonic acid, calcium magnesium salt (CAS Reg. No. 55598-86-2)

Lignosulfonic acid, calcium salt (CAS Reg. No. 8061-52-7)

Lignosulfonic acid, calcium sodium salt (CAS Reg. No. 37325-33-0)

Substances without MRL in US

Lignosulfonic acid, ethoxylated, sodium salt (CAS Reg. No. 68611-14-3)
Lignosulfonic acid, magnesium salt (CAS Reg. No. 8061-54-9)
Lignosulfonic acid, potassium salt (CAS Reg. No. 37314-65-1)
Lignosulfonic acid, sodium salt (CAS Reg. No. 8061-51-6)
Lignosulfonic acid, sodium salt, oxidized (CAS Reg. No. 68855-41-4)
Lignosulfonic acid, sodium salt, polymer with formaldehyde and phenol (CAS Reg. No. 37207-89-9)
Lignosulfonic acid, sodium salt, sulfomethylated (CAS Reg. No. 68512-34-5)
Lignosulfonic acid, zinc salt (CAS Reg. No. 57866-49-6)
Lipochoitooligosaccharide (LCO) MOR116.
Lipochoitooligosaccharide (LCO) SP104.
Lysate of <i>Willaertia magna</i> C2c Maky.
Lysophosphatidylethanolamine (LPE).
Magnesium carbonate
Magnesium chloride
Magnesium lime
Magnesium oxide
Magnesium silicate
Magnesium silicate, hydrated magnesium silicate
Magnesium stearate
Magnesium sulfate
Menthol.
Metarhizium anisopliae strain F52.
Methane sulfonic acid (CAS Reg. No. 75-75-2)
Methoprene.
Methyl 5-(dimethylamino)-2-methyl-5-oxopentanoate (1174627-68-9)
Methyl alcohol
Methyl anthranilate.
Methyl esters of fatty acids derived from edible fats and oils
Methyl esters of higher fatty acids conforming to 21 CFR 573.640
Methyl eugenol and malathion combination.
Methyl isobutyl ketone
Methyl isobutyrate (CAS Reg. No. 547-63-7)
Methyl jasmonate.
Methyl mercaptan.
Methyl n-amyl ketone (CAS Reg. No. 110-43-0)
Methyl salicylate.
Methyl-alpha-D-mannopyranoside (Alpha methyl mannoside).
Methylated silicones
Methylorubrum extorquens strain NLS0042.
Methylorubrum populi strain NLS0089.
Methyl-p-hydroxybenzoate (Methyl paraben)
Metschnikowia fructicola strain NRRL Y-27328.
Mica
milk
Mineral oil, U.S.P., or conforming to 21 CFR 172.878 or 178.3620(a) (CAS Reg. No. 8012-95-1)
Mono- and diglycerides of C8-C18 fatty acids
Mono-, di-, and trimethylnaphthalenesulfonic acids and naphthalenesulfonic acids formaldehyde condensates, ammonium, sodium and potassium salts (CAS Reg. Nos. 9008-63-3, 9069-80-1, 9084-06-4, 36290-04-7, 91078-68-1, 141959-43-5, 68425-94-5, 67828-14-2)
Monoammonium phosphate
Monocarbamide dihydrogen sulfate.
Monoethanolamine (CAS Reg. No. 141-43-5)
Montmorillonite-type clay
Muscodor albus strain SA-13 and the volatiles produced on rehydration.
Muscodor albus QST 20799 and the volatiles produced on rehydration.
N-(n-octyl)-2-pyrrolidone and N-(n-dodecyl)-2-pyrrolidone; exemptions from the requirement of a tolerance.

Substances without MRL in US

N,N,N',N'',-tetrakis-(2-hydroxypropyl) ethylenediamine (CAS Reg. No. 102-60-3)

N,N-Bis- α -ethyl- ω -hydroxypoly(oxy-1,2-ethanediyl) C8-C18 saturated and unsaturated alkylamines; the poly(oxy-1,2-ethanediyl) content is 2-60 moles (CAS Reg. Nos. 10213-78-2, 25307-17-9, 26635-92-7, 26635-93-8, 288259-52-9, 58253-49-9, 61790-82-7, 61791-14-8, 61791-24-0, 61791-26-2, 61791-31-9, 61791-44-4, 68155-33-9, 68155-39-5, 68155-40-8, 70955-14-5, 73246-96-5, 1266162-49-5)

N,N-Bis- α -ethyl- ω -hydroxypoly(oxy-1,2-ethanediyl/oxy(methyl-1,2-ethanediyl) C8-C18 saturated and unsaturated alkylamines; the poly(oxy-1,2-ethanediyl/oxy(methyl-1,2-ethanediyl) content is 2-60 moles (CAS Reg. Nos. 68213-26-3, 68153-97-9, 75601-76-2)

N,N-Dimethyl 9-decenamide (CAS Reg. No. 1356964-77-6)

N,N-Dimethyldodecanamide (CAS Reg. No. 3007-53-2)

N,N-Dimethylnonanamide (CAS Reg. No. 6225-08-7)

N,N-Dimethyltetradecanamide (CAS Reg. No. 3015-65-4)

N-acyl sarcosines and sodium N-acyl sarcosinates.

N-alkyl (C8-C18) primary amines and their acetate salts where the alkyl group is linear and may be saturated and/or unsaturated (CAS Reg. Nos. 61790-57-6, 61790-58-7, 61790-59-8, 61790-60-1, 61788-46-3, 61790-33-8, 68155-38-4)

Natamycin.

n-Butanol (CAS Reg. No. 71-36-3)

n-Butyl benzoate (CAS Reg. No.136-60-7)

n-Butyl-3-hydroxybutyrate (CAS Reg. No. 53605-94-0)

n-Decyl alcohol (CAS Reg. No. 112-30-1)

n-Hexyl alcohol (CAS Reg. No. 111-27-3)

Nitric acid (CAS Reg. No. 7697-37-2)

Nitrogen; exemption from the requirements of a tolerance.

n-Octyl alcohol (CAS Reg. No. 111-87-5)

Nonyl, decyl, and undecyl glycoside mixture with a mixture of nonyl, decyl, and undecyl oligosaccharides and related reaction products (primarily decanol and undecanol) produced as an aqueous-based liquid (50 to 65% solids) from the reaction of primary alcohols (containing 15 to 20% secondary alcohol isomers) in a ratio of 20% C9, 40% C10, and 40% C11 with carbohydrates (average glucose to alkyl chain ratio 1.3 to 1.8)

Nosema locustae.

n-Propanol

Nuclear polyhedrosis virus of Heliothis zea.

Occlusion Bodies of the Granulosis Virus of Cydia pomonella; tolerance exemption.

Octadecyl 3,5-di-*tert*-butyl-4-hydroxyhydro cinnamate (CAS Reg. No. 2082-79-3)

Octyl and decyl glucosides mixture with a mixture of octyl and decyl oligosaccharides and related reaction products (primarily *n*-decanol) produced as an aqueous-based liquid (68-72% solids) from the reaction of straight chain alcohols (C₈(45%), C₁₀) with anhydrous glucose

Octyl and decyl glucosides mixture with a mixture of octyl and decyl oligosaccharides and related reaction products (primarily *n*-decanol) produced as an aqueous-based liquid (68-72% solids) from the reaction of straight chain alcohols (C₈(45%), C₁₀ (55%)) with anhydrous glucose

Octyl epoxytallate (CAS Reg. No. 61788-72-5)

Oleic acid diester of α -hydro- ω -hydroxypoly (oxyethylene); the poly(oxyethylene) having average molecular weight (in amu) 400

Oleyl alcohol (CAS Reg. No. 143-28-2)

Oxalic acid

Oxirane, 2-methyl-, polymer with oxirane, mono-2-propen-1-yl ether (CAS Reg. No. 9041-33-2)

Palmitic acid

Pantoea agglomerans strain C9-1.

Pantoea agglomerans strain E325.

Paper

Paraffin waxes and hydrocarbon waxes (CAS Reg. No. 8002-74-2); carboxypolymethylene resin (CAS Reg. No. 68153-22-0); and paraffin waxes and hydrocarbon, oxidized, lithium salts (CAS Reg. No. 68649-48-9)

Paraffin waxes and hydrocarbon waxes; carboxypolymethylene resin; and paraffin waxes and hydrocarbon, oxidized, lithium salts

Parasitic (parasitoid) and predatory insects.

Pasteuria nishizawae—Pn1.

Pasteuria penetrans; exemption from the requirement of a tolerance.

Pasteuria spp. (Rotylenchulus reniformis nematode)—Pr3.

Pasteuria usgae; exemption from the requirement of a tolerance.

peanuts

Peanuts, Tree Nuts, Milk, Soybeans, Eggs, Fish, Crustacea, and Wheat.

Pentaerythritol ester of maleic anhydride modified wood rosin

Substances without MRL in US

Pentaerythritol tetrakis (3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate) (CAS Reg. No. 6683-19-8)

Peptide Derived from Harpin Protein (PDHP) 25279.

Peroxyacetic acid.

Petrolatum, conforming to 21 CFR 172.880

Petroleum wax, conforming to 21 CFR 172.886(d)

Phenylethyl acetate (CAS Reg. No. 103-45-7)

Phosphorous acid.

Phytophthora palmivora; exemption from requirement of tolerance.

piperonyl butoxide

Plant extract derived from Opuntia lindheimeri, Quercus falcata, Rhus aromatica, and Rhizophora mangle.

Plant volatiles and pheromone

Poly (oxy-1,2-ethanediyl), α,α' -[[[4-[2-(4-methyl-2-benzothiazolyl)diazenyl]phenyl]imino]di-2,1-ethanediyl]bis[ω -hydroxy- (CAS Reg. No. 158172-12-4)

Poly(hexamethylenebiguanide) hydrochloride (PHMB).

Poly(oxy-1,2-ethanediyl), α -(1-oxoalkyl)- ω -methoxy-, where the alkyl chain contains a minimum of 6 and a maximum of 18 carbons and the oxyethylene content is 3-13 moles (CAS Reg. No. 53100-65-5, 194289-64-0, 34398-00-0, 9006-27-3, 32761-35-6, 53467-81-5, 518299-31-5, and 34397-99-4)

Poly(oxy-1,2-ethanediyl), α -(3-(1,3,3,3-tetramethyl-1-((trimethylsilyl) oxy) disiloxanyl) propyl)- ω -hydroxy- (CAS Reg. No. 67674-67-3)

Poly(oxy-1,2-ethanediyl), α -(3-carboxy-1-oxosulfopropyl)- ω -(isotridecyloxy)-, sodium salt (1:2), the poly(oxyethylene) content averages 5-15 moles (CAS Reg. No. 1013906-64-3)

Poly(oxy-1,2-ethanediyl), α -(3-carboxy-1-oxosulfopropyl)- ω -hydroxy-, C10-12-alkyl ethers, disodium salts, the poly(oxyethylene) content averages 5-15 moles (CAS Reg. No. 68954-91-6)

Poly(oxy-1,2-ethanediyl), α -(3-carboxy-1-oxosulfopropyl)- ω -hydroxy-, C10-16-alkyl ethers, disodium salts, the poly(oxyethylene) content averages 5-15 moles (CAS Reg, No. 68815-56-5)

Poly(oxy-1,2-ethanediyl), α -(3-carboxy-1-oxosulfopropyl)- ω -hydroxy-, C12-14-alkyl ethers, disodium salts, the poly(oxyethylene) content averages 5-15 moles (CAS Reg. No. 1024612-24-5)

Poly(oxy-1,2-ethanediyl), α -(carboxymethyl)- ω -(nonylphenoxy) produced by the condensation of 1 mole of nonylphenol (nonyl group is a propylene trimer isomer) with an average of 4-14 or 30-90 moles of ethylene oxide. The molecular weight (in amu) ranges are 454-894 and 1598-4238

Poly(oxy-1,2-ethanediyl), α -[tris(1-phenylethyl)phenyl]- ω -hydroxy-, (CAS Reg. No. 99734-09-5)

Poly(oxy-1,2-ethanediyl), α -acetyl- ω -(2-propen-1-yloxy)- (CAS Reg. No. 27252-87-5)

Poly(oxy-1,2-ethanediyl), α -methyl- ω -(2-propen-1-yloxy)- (CAS Reg. No. 27252-80-8)

Polyammonium bisulfate (CAS Reg. No. 10043-02-4)

Polybutenes.

Poly-D-glucosamine (chitosan).

Polyethylene (CAS Reg. No. 9002-88-4) conforming to 21 CFR 172.615

Polyethylene glycol [α -hydro- ω -hydroxypoly(oxyethylene)]; mean molecular weight (in amu) 194 to 9,500 conforms to 21 CFR 178.3750

Polyethylene glycol[α -hydro- ω -hydroxypoly(oxyethylene)]; mean molecular weight (in amu) 194 to 9,500 conforms to 21 CFR 178.3750

Polyethylene, conforming to 21 CFR 177.1520(c)

Polyethyleneimine (CAS Reg. No. 9002-98-6)

Polyglycerol esters of fatty acids conforming to 21 CFR 172.854

Polyglyceryl phthalate ester of coconut oil fatty acids, including fatty acid coco polymers with glyceryl and phthalic anhydride (CAS No. 67746-02-5) and coconut oil polymer with glyceryl and phthalic anhydride (CAS No. 66070-87-9)

Poly-N-acetyl-D-glucosamine; exemption from the requirement of tolerance.

Polyoxin D zinc salt.

Polyoxyethylene (20) sorbitan monostearate

Polysorbate 65, conforming to 21 CFR 172.838

Potassium aluminum silicate

Potassium benzoate (Cas No. 582-25-2)

Potassium bicarbonate.

Potassium chloride

Potassium dihydrogen phosphate.

Potassium hydroxide

Potassium hypochlorite.

Potassium phosphate

Substances without MRL in US

Potassium Salts of Hops Beta acids.
Potassium sulfate
Prohydrojasmon.
Propanamide, 2-hydroxy-N, N-dimethyl- (CAS Reg. No. 35123-06-9)
Propane
Propanoic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol (CAS Reg. No. 25265-77-4)
Propyl gallate
Propyl p-hydroxybenzoate
Propyl p-hydroxybenzoate (Propyl paraben)
Propylene glycol
Propylene glycol alginate (as defined in 21 CFR 172.858)
Propylene glycol monomethyl ether
Propylene glycol monomethyl ether (CAS No. 107-98-2)
Pseudomonas chlororaphis Strain 63-28.
Pseudomonas chlororaphis strain AFS009.
Pseudomonas fluorescens strain ACK55.
Pseudomonas fluorescens strain CL145A.
Pseudomonas fluorescens A506, Pseudomonas fluorescens 1629RS, and Pseudomonas syringae 742RS; exemptions from the requirement of a tolerance.
Pseudomonas fluorescens strain D7.
Pseudomonas syringae
Purpureocillium lilacinum strain 251.
Pyrophyllite
Pyrophyllite
Pyrrolo[3,4-c]pyrrole-1,4-dione, 3,6-bis(4-chlorophenyl)-2,5-dihydro- (CAS Reg. No. 84632-65-5)
Pythium oligandrum DV 74.
Quillaja saponaria extract (saponins).
Red cabbage color, expressed from edible red cabbage heads via a pressing process using only acidified water
Reynoutria sachalinensis extract.
Rhamnolipid biosurfactant.
Rhizobium inoculants (e.g. Sinorhizobium, Bradyrhizobium & Rhizobium)
Rosin, partially dimerized (as defined in 21 CFR 172.615)
Rosin, partially hydrogenated (as defined in 21 CFR 172.615)
Rosin, wood
sabadilla
Salicylaldehyde (CAS Reg. No. 90-02-8)
Salts of fatty acids, conforming to 21 CFR 172.863
Sand
Sesame stalks.
Shellac, bleached; refined, food grade, arsenic and rosin-free
Silica aerogel (finely powdered microcellular silica foam having a minimum silica content of 89.5%)
Silica gel
Silica gel, precipitated, crystalline-free
Silica, amorphous, fumed (crystalline free)
Silica, amorphous, precipitated and gel
Silica, hydrate
Silica, hydrated silica
Silica, vitreous
Silver nitrate (Cas Reg. No. 7761-88-8)
Soap (The water soluble sodium or potassium salts of fatty acids produced by either the saponification of fats and oils, or the neutralization of fatty acid)
Soapbark (Quillaja saponin)
Soapstone
Sodium 1,4-dihexyl sulfosuccinate (CAS Reg. No. 3006-15-3)
Sodium 1,4-diisobutyl sulfosuccinate (CAS Reg. No. 127-39-9)
Sodium 1,4-dipentyl sulfosuccinate (CAS Reg. No. 922-80-5)

Substances without MRL in US

Sodium 5-nitroguaiacolate.

Sodium acid pyrophosphate

Sodium alginate

Sodium alkyl naphthalenesulfonates (CAS Reg. Nos. 68909-83-1, 68909-84-2, 68909-82-0, 27213-90-7, 26264-58-4, 27178-87-6, 111163-74-7, 908356-16-1, 25417-20-3, 25638-17-9, 145578-88-7, 1322-93-6, 1323-19-9, 7403-47-6, 68442-09-1, 127646-44-0, 908356-18-3)

Sodium and potassium salts of N-alkyl (C8-C18)-beta-iminodipropionic acid where the C8-C18 is linear and may be saturated and/or unsaturated (CAS Reg. Nos. 110676-19-2, 3655-00-3, 61791-56-8, 14960-06-6, 26256-79-1, 90170-43-7, 91696-17-2, 97862-48-1)

Sodium bicarbonate.

Sodium chlorate.

Sodium chlorite.

Sodium diacetate.

Sodium dioctylsulfosuccinate

Sodium DL-lactate (CAS Reg. No. 72-17-3)

Sodium Ferric Ethylenediaminetetraacetate (EDTA).

Sodium Formate (CAS Reg. No. 141-53-7)

Sodium hexametaphosphate

Sodium L-lactate (CAS Reg. No. 867-56-1)

Sodium metasilicate

Sodium metasilicate.

Sodium monoalkyl and dialkyl (C6-C16) phenoxy benzenedisulfonates and related acids (CAS Reg. Nos. 147732-59-0, 147732-60-3, 169662-22-0, 70191-75-2, 36445-71-3, 39354-74-0, 70146-13-3, 119345-03-8, 149119-20-0, 149119-19-7, 119345-04-9, 28519-02-0, 25167-32-2, 30260-73-2, 65143-89-7, 70191-76-3)

Sodium *N*-oleoyl-*N*-methyl taurine (CAS Reg. No. 137-20-2)

Sodium salt of sulfated oleic acid

Sodium silicate

Sodium starch glycolate (CAS Reg. No. 9063-38-1)

Sodium sulfate

Sodium tripolyphosphate

Sodium α -olefinsulfonate (sodium C14-C16) (Olefin sulfonate)

Sodium *o*-nitrophenolate.

Sodium *p*-nitrophenolate.

Sodium *N*-oleoyl- *N*-methyl taurine (CAS Reg. No. 137-20-2)

Sorbic acid (CAS Reg. No. 110-44-1)

Sorbic acid, potassium salt

Sorbitan fatty acid esters (fatty acids limited to C₁₂, C₁₄, C₁₆, and C₁₈ containing minor amounts of associated fatty acids) and poly(oxyethylene) derivatives of sorbitan fatty acid esters; the poly(oxyethylene) content averages 16-20 moles

Sorbitan fatty acid esters (fatty acids limited to C₁₂, C₁₄, C₁₆, and C₁₈ containing minor amounts of associated fatty acids) and their derivatives; the poly(oxyethylene) content averages 5-20 moles

Sorbitol

Sorbitol octanoate.

Soybean flour

Soybean oil-derived fatty acids

soybeans

Spices such as cinnamon, cloves, and red pepper.

Spodoptera frugiperda multiple nucleopolyhedrovirus strain 3AP2.

Stearic acid (CAS Reg. No. 57-11-4)

Streptomyces lydicus WYEC 108.

Streptomyces sp. strain SYM00257.

Sucrose octaacetate

Sucrose octanoate esters.

Sulfite liquors and cooking liquors, spent, oxidized (CAS Reg. No. 68514-09-0)

Sweet orange peel tincture (CAS Reg. No. 8028-48-6)

Synthetic paraffin and its succinic derivatives conforming to 21 CFR 172.275

Synthetic petroleum wax, conforming to 21 CFR 172.888

Syrups, hydrolyzed starch, hydrogenated

Substances without MRL in US

Tall oil fatty acids (CAS Reg. No. 61790-12-3)
Tartrazine
Terpene Constituents α -terpinene, d-limonene and p-cymene, of the Extract of <i>Chenopodium ambrosioides</i> near <i>ambrosioides</i> as Synthetically Manufactured.
Tetraacetythylenediamine (TAED) and its metabolite Diacetythylenediamine (DAED).
Tetraethyl orthosilicate (CAS Reg. No. 78-10-4)
Tetrahydrofurfuryl alcohol (THFA) (CAS Reg. No 97-99-4)
Tetrahydrofurfuryl alcohol.
Tetrasodium pyrophosphate
Thiosulfuric acid, disodium salt, anhydrous. (CAS Reg. No 7772-98-7)
Thiosulfuric acid, disodium salt, pentahydrate. (CAS Reg. No. 10102-17-7)
Titanium dioxide (CAS Reg. No. 13463-67-7)
Tobacco mild green mosaic tobamovirus strain U2.
Toluenesulfonic acid and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts
Tomato pinworm insect pheromone.
Trans-1,3,3,3-tetrafluoroprop-1-ene (CAS Reg. No. 29118-24-9)
tree nuts
Triacetin (glyceryl triacetate)
Tricalcium phosphate
Trichoderma asperelloides strain JM41R.
Trichoderma asperellum strain ICC 012.
Trichoderma hamatum isolate 382.
Trichoderma harzianum strain T-78.
Trichoderma virens strain G-41.
Tris (2-ethylhexyl) phosphate.
Trisodium phosphate
Tristyrylphenol ethoxylates.
Ulocladium oudemansii (U3 Strain).
Ultramarine blue (C.I. Pigment Blue 29)
Vanillin
Vermiculite
Viable spores of the microorganism <i>Bacillus popilliae</i> ; exemption from the requirement of a tolerance.
Viable spores of the microorganism <i>Bacillus thuringiensis</i> Berliner.
Vitamin E (CAS Reg. No. 1406-18-4)
Walnut shells
Waxes and waxy substances, rice bran, oxidized (CAS Reg. No. 1883583-80-9)
wheat
Wintergreen oil
Wood flour
Xanthan gum
Xanthan gum-modified, produced by the reaction of xanthan gum and glyoxal (maximum 0.3% by weight)
Xanthomonas campestris pv. vesicatoria and Pseudomonas syringae pv. tomato specific Bacteriophages.
Xylene
Xylenesulfonic acid and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts
Yeast Extract Hydrolysate from <i>Saccharomyces cerevisiae</i> : exemption from the requirement of a tolerance.
Zein (CAS Reg. No. 9010-66-6)
Zeolite (hydrated alkali aluminum silicate)
Zinc oxide (CAS Reg. No. 1314-13-2)
Zinc stearate (CAS Reg. No. 557-05-1)
Zinc stearate, conforming to 21 CFR 182.5994 and 582.5994
Zinc sulfate (basic and monohydrate)
α -(p-Nonylphenol)- ω -hydroxypoly(oxyethylene) mixture of dihydrogen phosphate and monohydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, potassium, sodium, and zinc salts of the phosphate esters; the nonyl group is a propylene trimer isomer and the poly(oxyethylene) content averages 4-14 or 30 moles (CAS Reg. Nos. 51811-79-1, 59139-23-0, 67922-57-0, 68412-53-3, 68553-97-9, 68954-84-7, 99821-14-4, 152143-22-1, 51609-41-7, 37340-60-6, 106151-63-7, 68584-47-4, 52503-15-8, 68458-49-1)

Substances without MRL in US

α -(*p*-Nonylphenol)- ω -hydroxypoly(oxyethylene) sulfate, ammonium, calcium, magnesium, potassium, sodium, and zinc salts the nonyl group is propylene trimer isomer and the poly(oxyethylene) content averages 4 moles (CAS Reg. Nos. 9014-90-8, 9051-57-4, 9081-17-8, 68649-55-8, 68891-33-8)

α -(*p*-Nonylphenyl)- ω -hydroxypoly(oxyethylene) produced by the condensation of 1 mole of nonylphenol (nonyl group is a propylene trimer isomer) with an average of 4-15 or 30-90 moles of ethylene oxide; if a blend of products is used, the average number of moles of ethylene oxide reacted to produce any product that is a component of the blend shall be in the range of 4-15 or 30-90 moles

α -[*p*-(1,1,3,3-tetramethylbutyl)phenyl]- ω -hydroxypoly(oxyethylene) produced by the condensation of 1 mole of *p*-(1,1,3,3-tetramethylbutyl)phenol with a range of 1-14 or 30-70 moles of ethylene oxide: If a blend of products is used, the average range number of moles of ethylene oxide reacted to produce any product that is a component of the blend shall be in the range of 1-14 or 30-70 (CAS Reg. Nos. 9036-19-5, 9002-93-1)

α -alkyl (C₁₂-C₁₅)- ω -hydroxypoly (oxypropylene) poly (oxyethylene) copolymers (where the poly (oxypropylene) content is 3-60 moles and the poly (oxyethylene) content is 5-80 moles)

α -alkyl (C₁₂-C₁₅)- ω -hydroxypoly (oxypropylene)poly (oxyethylene)copolymers (where the poly(oxypropylene) content is 3-60 moles and the poly(oxyethylene) content is 5-80 moles), the resulting ethoxylated propoxylated (C₁₂-C₁₅) alcohols having a minimum molecular weight (in amu) of 1,500, CAS Reg. No. 68551-13-3

α -alkyl (minimum C₆ linear, branched, saturated and/or unsaturated)- ω -hydroxypolyoxyethylene polymer with or without polyoxypropylene, mixture of di- and monohydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, monoethanolamine, potassium, sodium, and zinc salts of the phosphate esters; minimum oxyethylene content is 2 moles; minimum oxypropylene content is 0 moles (CAS Reg. Nos.: 9004-80-2, 9046-01-9, 26982-05-8, 31800-89-2, 37280-82-3, 37281-86-0, 39341-09-8, 39341-65-6, 39464-66-9, 39464-69-2, 42612-52-2, 50643-20-4, 50668-50-3, 51325-10-1, 51884-64-1, 52019-36-0, 57486-09-6, 58206-38-5, 58318-92-6, 58857-49-1, 59112-71-9, 60267-55-2, 61837-79-4, 62362-49-6, 62482-61-5, 63747-86-4, 63887-54-7, 63887-55-8, 66020-37-9, 66272-25-1, 66281-20-7, 67711-84-6, 67786-06-5, 67989-06-4, 68070-99-5, 68071-17-0, 68071-35-2, 68071-37-4, 68130-44-9, 68130-45-0, 68130-46-1, 68130-47-2, 68186-29-8, 68186-34-5, 68186-36-7, 68186-37-8, 68238-84-6, 68311-02-4, 68311-04-6, 68332-75-2, 68389-72-0, 68400-75-9, 68413-78-5, 68425-73-0, 68425-75-2, 68439-39-4, 68458-48-0, 68511-15-9, 68511-36-4, 68511-37-5, 68551-05-3, 68585-15-9, 68585-16-0, 68585-17-1, 68585-36-4, 68585-39-7, 68603-24-7, 68607-14-7, 68610-64-0, 68610-65-1, 68649-29-6, 68649-30-9, 68650-84-0, 68815-11-2, 68855-46-9, 68856-03-1, 68890-90-4, 68890-91-5, 68891-12-3, 68891-13-4, 68891-26-9, 68908-64-5, 68909-65-9, 68909-67-1, 68909-69-3, 68921-24-4, 68921-60-8, 68954-87-0, 68954-88-1, 68954-92-7, 68987-35-9, 69029-43-2, 69980-69-4, 70247-99-3, 70248-14-5, 70844-96-1, 70903-63-8, 71965-23-6, 71965-24-7, 72480-27-4, 72623-67-7, 72623-68-8, 72828-56-9, 72828-57-0, 73018-34-5, 73038-25-2, 73050-08-5, 73050-09-6, 73361-29-2, 73378-71-9, 73378-72-0, 73559-42-9, 73559-43-0, 73559-44-1, 73559-45-2, 74499-76-6, 76930-25-1, 78041-18-6, 78330-22-0, 78330-24-2, 82465-25-6, 84843-37-8, 91254-26-1, 93925-54-3, 95014-34-9, 96416-89-6, 99924-51-3, 103170-31-6, 103170-32-7, 106233-09-4, 106233-10-7, 108818-88-8, 110392-49-9, 111798-26-6, 111905-50-1, 116671-23-9, 117584-36-8, 119415-05-3, 120913-45-3, 121158-61-0, 121158-63-2, 123339-53-7, 125139-13-1, 125301-86-2, 125301-87-3, 126646-03-5, 129208-04-4, 129870-77-5, 129870-80-0, 130354-37-9, 136504-88-6, 143372-50-3, 143372-51-4, 144336-75-4, 146815-57-8, 151688-56-1, 154518-39-5, 154518-40-8, 155240-11-2, 157627-92-4, 159704-69-5, 160498-49-7, 160611-24-5, 171543-66-1, 172027-16-6, 172274-69-0, 176707-42-9, 181963-82-6, 188741-55-1, 191940-53-1, 210493-60-0, 210993-53-6, 246159-55-7, 251298-11-0, 261627-68-3, 290348-69-5, 290348-70-8, 317833-96-8, 340681-28-9, 422563-19-7, 422563-26-6, 522613-09-8, 717140-06-2, 717140-09-5, 717827-29-7, 762245-80-7, 762245-81-8, 866538-89-8, 866538-90-1, 873662-29-4, 913068-96-9, 936100-29-7, 936100-30-0, 1072943-56-6, 1087209-87-7, 1174313-54-2, 1187742-89-7, 1187743-35-6, 1205632-03-6, 1233235-49-8, 1451002-50-8, 1456802-88-2, 1456802-89-3, 1456803-12-5)

α -alkyl (minimum C₆ linear, branched, saturated and/or unsaturated)- ω -hydroxypolyoxyethylene polymer with or without polyoxypropylene, mixture of di- and monohydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, monoethanolamine, potassium, sodium, and zinc salts of the phosphate esters; minimum oxyethylene content is 2 moles; minimum oxypropylene content is 0 moles (CAS Reg. Nos.: 9004-80-2, 9046-01-9, 26982-05-8, 31800-89-2, 37280-82-3, 37281-86-0, 39341-09-8, 39341-65-6, 39464-66-9, 39464-69-2, 42612-52-2, 50643-20-4, 50668-50-3, 51325-10-1, 51884-64-1, 52019-36-0, 57486-09-6, 58206-38-5, 58318-92-6, 58857-49-1, 59112-71-9, 60267-55-2, 61837-79-4, 62362-49-6, 62482-61-5, 63747-86-4, 63887-54-7, 63887-55-8, 66020-37-9, 66272-25-1, 66281-20-7, 67711-84-6, 67786-06-5, 67989-06-4, 68070-99-5, 68071-17-0, 68071-35-2, 68071-37-4, 68130-44-9, 68130-45-0, 68130-46-1, 68130-47-2, 68186-29-8, 68186-34-5, 68186-36-7, 68186-37-8, 68238-84-6, 68311-02-4, 68311-04-6, 68332-75-2, 68389-72-0, 68400-75-9, 68413-78-5, 68425-73-0, 68425-75-2, 68439-39-4, 68458-48-0, 68511-15-9, 68511-36-4, 68511-37-5, 68551-05-3, 68585-15-9, 68585-16-0, 68585-17-1, 68585-36-4, 68585-39-7, 68603-24-7, 68607-14-7, 68610-64-0, 68610-65-1, 68649-29-6, 68649-30-9, 68650-84-0, 68815-11-2, 68855-46-9, 68856-03-1, 68890-90-4, 68890-91-5, 68891-12-3, 68891-13-4, 68891-26-9, 68908-64-5, 68909-65-9, 68909-67-1, 68909-69-3, 68921-24-4, 68921-60-8, 68954-87-0, 68954-88-1, 68954-92-7, 68987-35-9, 69029-43-2, 69980-69-4, 70247-99-3, 70248-14-5, 70844-96-1, 70903-63-8, 71965-23-6, 71965-24-7, 72480-27-4, 72623-67-7, 72623-68-8, 72828-56-9, 72828-57-0, 73018-34-5, 73038-25-2, 73050-08-5, 73050-09-6, 73361-29-2, 73378-71-9, 73378-72-0, 73559-42-9, 73559-43-0, 73559-44-1, 73559-45-2, 74499-76-6, 76930-25-1, 78041-18-6, 78330-22-0, 78330-24-2, 82465-25-6, 84843-37-8, 91254-26-1, 93925-54-3, 95014-34-9, 96416-89-6, 99924-51-3, 103170-31-6, 103170-32-7, 106233-09-4, 106233-10-7, 108818-88-8, 110392-49-9, 111798-26-6, 111905-50-1, 116671-23-9, 117584-36-8, 119415-05-3, 120913-45-3, 121158-61-0, 121158-63-2, 123339-53-7, 125139-13-1, 125301-86-2, 125301-87-3, 126646-03-5, 129208-04-4, 129870-77-5, 129870-80-0, 130354-37-9, 136504-88-6, 143372-50-3, 143372-51-4, 144336-75-4, 146815-57-8, 151688-56-1, 154518-39-5, 154518-40-8, 155240-11-2, 157627-92-4, 159704-69-5, 160498-49-7, 160611-24-5, 171543-66-1, 172027-16-6, 172274-69-0, 176707-42-9, 181963-82-6, 188741-55-1, 191940-53-1, 210493-60-0, 210993-53-6, 2275654-37-8, 246159-55-7, 251298-11-0, 261627-68-3, 290348-69-5, 290348-70-8, 317833-96-8, 340681-28-9, 422563-19-7, 422563-26-6, 522613-09-8, 717140-06-2, 717140-09-5, 717827-29-7, 762245-80-7, 762245-81-8, 866538-89-8, 866538-90-1, 873662-29-4, 913068-96-9, 936100-29-7, 936100-30-0, 1072943-56-6, 1087209-87-7, 1174313-54-2, 1187742-89-7, 1187743-35-6, 1205632-03-6, 1233235-49-8, 1451002-50-8, 1456802-88-2, 1456802-89-3, 1456803-12-5)

Substances without MRL in US

α -alkyl (minimum C₆ linear, branched, saturated and/or unsaturated)- ω -hydroxypolyoxyethylene polymer with or without polyoxypropylene, mixture of di- and monohydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, monoethanolamine, potassium, sodium, and zinc salts of the phosphate esters; minimum oxyethylene content is 2 moles; minimum oxypropylene content is 0 moles, (CAS Reg. Nos.: 9004-80-2, 9046-01-9, 26982-05-8, 31800-89-2, 37280-82-3, 37281-86-0, 39341-09-8, 39341-65-6, 39464-66-9, 39464-69-2, 42612-52-2, 50643-20-4, 50668-50-3, 51325-10-1, 51884-64-1, 52019-36-0, 52019-38-2, 52019-38-2, 57486-09-6, 58206-38-5, 58318-92-6, 58857-49-1, 59112-71-9, 60267-55-2, 61837-79-4, 62362-49-6, 62482-61-5, 63747-86-4, 63887-54-7, 63887-55-8, 66020-37-9, 66272-25-1, 66281-20-7, 67711-84-6, 67786-06-5, 67989-06-4, 68070-99-5, 68071-17-0, 68071-35-2, 68071-37-4, 68130-44-9, 68130-45-0, 68130-46-1, 68130-47-2, 68186-29-8, 68186-34-5, 68186-36-7, 68186-37-8, 68238-84-6, 68311-02-4, 68311-04-6, 68332-75-2, 68389-72-0, 68400-75-9, 68413-78-5, 68425-73-0, 68425-75-2, 68439-39-4, 68458-48-0, 68511-15-9, 68511-36-4, 68511-37-5, 68551-05-3, 68585-15-9, 68585-16-0, 68585-17-1, 68585-36-4, 68585-39-7, 68603-24-7, 68607-14-7, 68610-64-0, 68610-65-1, 68649-29-6, 68649-30-9, 68650-84-0, 68815-11-2, 68855-46-9, 68856-03-1, 68890-90-4, 68890-91-5, 68891-12-3, 68891-13-4, 68891-26-9, 68908-64-5, 68909-65-9, 68909-67-1, 68909-69-3, 68921-24-4, 68921-60-8, 68954-87-0, 68954-88-1, 68954-92-7, 68987-35-9, 69029-43-2, 69980-69-4, 70247-99-3, 70248-14-5, 70844-96-1, 70903-63-8, 71965-23-6, 71965-24-7, 72480-27-4, 72623-67-7, 72623-68-8, 72828-56-9, 72828-57-0, 73018-34-5, 73038-25-2, 73050-08-5, 73050-09-6, 73361-29-2, 73378-71-9, 73378-72-0, 73559-42-9, 73559-43-0, 73559-44-1, 73559-45-2, 74499-76-6, 76930-25-1, 78041-18-6, 78330-22-0, 78330-24-2, 82465-25-6, 84843-37-8, 91254-26-1, 93925-54-3, 95014-34-9, 96416-89-6, 99924-51-3, 103170-31-6, 103170-32-7, 106233-09-4, 106233-10-7, 108818-88-8, 110392-49-9, 111798-26-6, 111905-50-1, 116671-23-9, 117584-36-8, 119415-05-3, 120913-45-3, 121158-61-0, 121158-63-2, 123339-53-7, 125139-13-1, 125301-86-2, 125301-87-3, 126646-03-5, 129208-04-4, 129870-77-5, 129870-80-0, 130354-37-9, 136504-88-6, 143372-50-3, 143372-51-4, 144336-75-4, 146815-57-8, 151688-56-1, 154518-39-5, 154518-40-8, 155240-11-2, 159704-69-5, 160498-49-7, 160611-24-5, 171543-66-1, 172027-16-6, 172274-69-0, 176707-42-9, 181963-82-6, 188741-55-1, 191940-53-1, 210493-60-0, 210993-53-6, 246159-55-7, 251298-11-0, 261627-68-3, 290348-69-5, 290348-70-8, 317833-96-8, 340681-28-9, 422563-19-7, 422563-26-6, 522613-09-8, 717140-06-2, 717140-09-5, 717827-29-7, 762245-80-7, 762245-81-8, 866538-89-8, 866538-90-1, 873662-29-4, 913068-96-9, 936100-29-7, 936100-30-0, 1072943-56-6, 1087209-87-7, 1174313-54-2, 1187742-89-7, 1187743-35-6, 1205632-03-6, 1233235-49-8, 1451002-50-8, 1456802-88-2, 1456802-89-3, 1456803-12-5)

α -alkyl (minimum C₆ linear, branched, saturated and/or unsaturated)- ω -hydroxypolyoxyethylene polymer with or without polyoxypropylene, mixture of di- and monohydrogen phosphate esters and the corresponding ammonium, calcium, magnesium, monoethanolamine, potassium, sodium, and zinc salts of the phosphate esters; minimum oxyethylene content is 2 moles; minimum oxypropylene content is 0 moles (CAS Reg. Nos.: 9004-80-2, 9046-01-9, 26982-05-8, 31800-89-2, 37280-82-3, 37281-86-0, 39341-09-8, 39341-65-6, 39464-66-9, 39464-69-2, 42612-52-2, 50643-20-4, 50668-50-3, 51325-10-1, 51884-64-1, 52019-36-0, 57486-09-6, 58206-38-5, 58318-92-6, 58857-49-1, 59112-71-9, 60267-55-2, 61837-79-4, 62362-49-6, 62482-61-5, 63747-86-4, 63887-54-7, 63887-55-8, 66020-37-9, 66272-25-1, 66281-20-7, 67711-84-6, 67786-06-5, 67989-06-4, 68070-99-5, 68071-17-0, 68071-35-2, 68071-37-4, 68130-44-9, 68130-45-0, 68130-46-1, 68130-47-2, 68186-29-8, 68186-34-5, 68186-36-7, 68186-37-8, 68238-84-6, 68311-02-4, 68311-04-6, 68332-75-2, 68389-72-0, 68400-75-9, 68413-78-5, 68425-73-0, 68425-75-2, 68439-39-4, 68458-48-0, 68511-15-9, 68511-36-4, 68511-37-5, 68551-05-3, 68585-15-9, 68585-16-0, 68585-17-1, 68585-36-4, 68585-39-7, 68603-24-7, 68607-14-7, 68610-64-0, 68610-65-1, 68649-29-6, 68649-30-9, 68650-84-0, 68815-11-2, 68855-46-9, 68890-90-4, 68890-91-5, 68891-12-3, 68891-13-4, 68891-26-9, 68908-64-5, 68909-65-9, 68909-67-1, 68909-69-3, 68921-24-4, 68921-60-8, 68954-87-0, 68954-88-1, 68954-92-7, 68987-35-9, 69029-43-2, 69980-69-4, 70247-99-3, 70248-14-5, 70844-96-1, 70903-63-8, 71965-23-6, 71965-24-7, 72480-27-4, 72623-67-7, 72623-68-8, 72828-56-9, 72828-57-0, 73018-34-5, 73038-25-2, 73050-08-5, 73050-09-6, 73361-29-2, 73378-71-9, 73378-72-0, 73559-42-9, 73559-43-0, 73559-44-1, 73559-45-2, 74499-76-6, 76930-25-1, 78041-18-6, 78330-22-0, 78330-24-2, 82465-25-6, 84843-37-8, 91254-26-1, 93925-54-3, 95014-34-9, 96416-89-6, 99924-51-3, 103170-31-6, 103170-32-7, 106233-09-4, 106233-10-7, 108818-88-8, 110392-49-9, 111798-26-6, 111905-50-1, 116671-23-9, 117584-36-8, 119415-05-3, 120913-45-3, 121158-61-0, 121158-63-2, 123339-53-7, 125139-13-1, 125301-86-2, 125301-87-3, 126646-03-5, 129208-04-4, 129870-77-5, 129870-80-0, 130354-37-9, 136504-88-6, 143372-50-3, 143372-51-4, 144336-75-4, 146815-57-8, 151688-56-1, 154518-39-5, 154518-40-8, 155240-11-2, 157627-92-4, 159704-69-5, 160498-49-7, 160611-24-5, 171543-66-1, 172027-16-6, 172274-69-0, 176707-42-9, 181963-82-6, 188741-55-1, 191940-53-1, 210493-60-0, 210993-53-6, 2275654-37-8, 246159-55-7, 251298-11-0, 261627-68-3, 290348-69-5, 290348-70-8, 317833-96-8, 340681-28-9, 422563-19-7, 422563-26-6, 522613-09-8, 717140-06-2, 717140-09-5, 717827-29-7, 762245-80-7, 762245-81-8, 866538-89-8, 866538-90-1, 873662-29-4, 913068-96-9, 936100-29-7, 936100-30-0, 1072943-56-6, 1087209-87-7, 1174313-54-2, 1187742-89-7, 1187743-35-6, 1205632-03-6, 1233235-49-8, 1451002-50-8, 1456802-88-2, 1456802-89-3, 1456803-12-5)

α -alkyl(C₆-C₁₅)- ω -hydroxypoly(oxyethylene)sulfate, and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts, poly(oxyethylene) content averages 2-4 moles (CAS Reg. Nos.: 3088-31-1, 3694-74-4, 9004-82-4, 9004-84-6, 9021-91-4, 9086-52-6, 13150-00-0, 15826-16-1, 25446-78-0, 26183-44-8, 27140-00-7, 27731-61-9, 27731-61-9, 27731-62-0, 32612-48-9, 34431-25-9, 35015-74-8, 50602-06-7, 52286-18-7, 52286-19-8, 54116-08-4, 55901-67-2, 61702-79-2, 61894-66-4, 62755-21-9, 63428-85-3, 63428-86-4, 63428-87-5, 65086-57-9, 65086-79-5, 65104-74-7, 65122-38-5, 67674-66-2, 67762-19-0, 67762-21-4, 67845-82-3, 67845-83-4, 67923-90-4, 68037-05-8, 68037-06-9, 68171-41-5, 68424-50-0, 68511-39-7, 68585-34-2, 68610-66-2, 68611-29-0, 68611-55-2, 68649-53-6, 68890-88-0, 68891-29-2, 68891-30-5, 68891-38-3, 69011-37-6, 73665-22-2, 75422-21-8, 78330-16-2, 78330-17-3, 78330-25-3, 78330-26-4, 78330-27-5, 78330-28-6, 78330-29-7, 78330-30-0, 96130-61-9, 106597-03-9, 110392-50-2, 119432-41-6, 125301-88-4, 125301-89-5, 125301-92-0, 125736-54-1, 157707-85-2, 160104-51-8, 160901-27-9, 160901-28-0, 160901-29-1, 160901-30-4, 161025-28-1, 161074-79-9, 162063-19-6, 219756-63-5)

Substances without MRL in US

α -alkyl(C₆-C₁₅)- ω -hydroxypoly(oxyethylene)sulfate, and its ammonium, calcium, magnesium, potassium, sodium, and zinc salts, poly(oxyethylene) content averages 2-4 moles (CAS Reg. Nos.: 3088-31-1, 3694-74-4, 9004-82-4, 9004-84-6, 9021-91-4, 9086-52-6, 13150-00-0, 15826-16-1, 25446-78-0, 26183-44-8, 27140-00-7, 27731-62-0, 32612-48-9, 34431-25-9, 35015-74-8, 50602-06-7, 52286-18-7, 52286-19-8, 54116-08-4, 55901-67-2, 61702-79-2, 61894-66-4, 62755-21-9, 63428-85-3, 63428-86-4, 63428-87-5, 65086-57-9, 65086-79-5, 65104-74-7, 65122-38-5, 67674-66-2, 67762-19-0, 67762-21-4, 67845-82-3, 67845-83-4, 67923-90-4, 68037-05-8, 68037-06-9, 68171-41-5, 68424-50-0, 68511-39-7, 68585-34-2, 68610-66-2, 68611-29-0, 68611-55-2, 68649-53-6, 68890-88-0, 68891-29-2, 68891-30-5, 68891-38-3, 69011-37-6, 73665-22-2, 75422-21-8, 78330-16-2, 78330-17-3, 78330-25-3, 78330-26-4, 78330-27-5, 78330-28-6, 78330-29-7, 78330-30-0, 96130-61-9, 106597-03-9, 110392-50-2, 119432-41-6, 125301-88-4, 125301-89-5, 125301-92-0, 125736-54-1, 157627-92-4, 157707-85-2, 160104-51-8, 160901-27-9, 160901-28-0, 160901-29-1, 160901-30-4, 161025-28-1, 161074-79-9, 162063-19-6, 219756-63-5)

α -Alkyl- ω -hydroxypoly (oxypropylene) and/or poly (oxyethylene) polymers where the alkyl chain contains a minimum of six carbons (CAS Reg. Nos.: 9002-92-0; 9004-95-9; 9004-98-2; 9005-00-9; 9035-85-2; 9038-29-3; 9038-43-1; 9040-05-5; 9043-30-5; 9087-53-0; 25190-05-0; 24938-91-8; 25231-21-4; 251553-55-6; 26183-52-8; 26468-86-0; 26636-39-5; 26636-40-8; 27252-75-1; 27306-79-2; 31726-34-8; 32128-65-7; 34398-01-1; 34398-05-5; 37251-67-5; 37311-00-5; 37311-01-6; 37311-02-7; 37311-04-9; 39587-22-9; 50861-66-0; 52232-09-4; 52292-17-8; 52609-19-5; 57679-21-7; 59112-62-8; 60636-37-5; 60828-78-6; 61702-78-1; 61723-78-2; 61725-89-1; 61791-13-7; 61791-20-6; 61791-28-4; 61804-34-0; 61827-42-7; 61827-84-7; 62648-50-4; 63303-01-5; 63658-45-7; 63793-60-2; 64366-70-7; 64415-24-3; 64415-25-4; 64425-86-1; 65104-72-5; 65150-81-4; 66455-14-9; 66455-15-0; 67254-71-1; 67763-08-0; 68002-96-0; 68002-97-1; 68131-39-5; 68131-40-8; 68154-96-1; 68154-97-2; 68154-98-3; 68155-01-1; 68213-23-0; 68213-24-1; 68238-81-3; 68238-82-4; 68409-58-5; 68409-59-6; 68439-30-5; 68439-45-2; 68439-46-3; 68439-48-5; 68439-49-6; 68439-50-9; 68439-51-0; 68439-53-2; 68439-54-3; 68458-88-8; 68526-94-3; 68526-95-4; 68551-12-2; 68551-13-3; 68551-14-4; 68603-20-3; 68603-25-8; 68920-66-1; 68920-69-4; 68937-66-6; 68951-67-7; 68954-94-9; 68987-81-5; 68991-48-0; 69011-36-5; 69013-18-9; 69013-19-0; 69227-20-9; 69227-21-0; 69227-22-1; 69364-63-2; 70750-27-5; 70879-83-3; 70955-07-6; 71011-10-4; 71060-57-6; 71243-46-4; 72066-65-0; 72108-90-8; 72484-69-6; 72854-13-8; 72905-87-4; 73018-31-2; 73049-34-0; 74432-13-6; 74499-34-6; 78330-19-5; 78330-20-8; 78330-21-9; 78330-23-1; 79771-03-2; 84133-50-6; 85422-93-1; 97043-91-9; 97953-22-5; 102782-43-4; 103331-86-8; 103657-84-7; 103657-85-8; 103818-93-5; 103819-03-0; 106232-83-1; 111905-54-5; 116810-31-2; 116810-32-3; 116810-33-4; 120313-48-6; 120944-68-5; 121617-09-2; 126646-02-4; 126950-62-7; 127036-24-2; 139626-71-4; 152231-44-2; 154518-36-2; 157627-86-6; 157627-88-8; 157707-41-0; 157707-43-2; 159653-49-3; 160875-66-1; 160901-20-2; 160901-09-7; 160901-19-9; 161025-21-4; 161025-22-5; 161133-70-6; 166736-08-9; 169107-21-5; 172588-43-1; 176022-76-7; 196823-11-7; 287935-46-0; 288260-45-7; 303176-75-2; 954108-36-2; 2222805-23-2; 2409830-33-5)

α -Oleoyl- ω -(oleyl-oxy)poly(oxyethylene) derived from α -hydro- ω -hydroxypoly(oxyethylene), molecular weight (in amu) 600

α -Oleoyl- ω -hydroxypoly(oxyethylene), average molecular weight (in amu) of 600

α -Pinene

α -Stearoyl- ω -hydroxypoly(oxyethylene), average molecular weight (in amu) of 600

α -Stearoyl- ω -hydroxypoly(oxyethylene); the poly(oxyethylene) content averages 8, 9, or 40 moles; if a blend of products is used, the average number of moles of ethylene oxide reacted to produce any product that is a component of the blend shall be 8, 9, or 40

α -Stearoyl- ω -hydroxypoly(oxyethylene); the poly(oxyethylene) content averages either 8, 9, or 40 moles; if a blend of products is used, the average number of moles ethylene oxide reacted to produce any product that is a component of the blend shall be either 8, 9, or 40

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To explore
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of nature to
improve the
quality of life



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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, 7,700 employees (7,000 fte), 2,500 PhD and EngD candidates, 13,100 students and over 150,000 participants to WUR's Life Long Learning, 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.

