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Classification of crops grown in or imported into the European Union for pesticide residue assessment

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Abstract

An important aspect of food safety is the control of pesticide residues on food. Pesticide residue assessments are conducted to establish legal limits, known as maximum residue limits (MRLs), for pesticide residues in plant and animal commodities. In the EC guidelines for pesticide residue assessment, the so-called Lundehn document, agricultural crops are classified into groups in which results are considered to be comparable. Within these groups, the results for one crop may be extrapolated, either to another group or to the crop group as a whole. Because only examples of crops are given per assessment item in the Lundehn document, there is a probability that crops not mentioned in this document will be classified differently by different users of the classification. The classification documented here, however, contains an extended classification for agricultural crops grown in or imported into European Union countries that are either intended for human consumption or for livestock feed. Each crop is classified under relevant items of the pesticide residue assessment process. These are: plant metabolism, crop sampling, supervised residue trials, livestock feed, storage stability of analytical samples, validation of analytical methods and rotational crops.

Preface

The classification presented in this report has been discussed by several experts:

a) Dr. F.X.R van Leeuwen and Dr. P. van Zoonen, members of the residue peer review group of the Centre of Substances and Integrated Risk Assessment (SIR) from the National Institute for Public Health and the Environment (RIVM, Bilthoven, The Netherlands);
b) Drs. R. Hittenhausen-Gelderblom, Dr. A. de Kok, and Dr. H.A. van der Schee from the Inspectorate for Health Protection (KvW, Amsterdam, The Netherlands);
c) Dr. L. Messchendorp, Dr. J.H. Krook, and Drs. E.H.R. van der Wal from the Dutch Board for the Authority of Pesticides (CTB, Wageningen, The Netherlands);
d) Dr. P.J.J.M. Weterings from Weterings Consultancy (Rosmalen, The Netherlands);
e) Ing. W.R. Leeman and Dr. A.A.M.G. Spooren from TNO Nutrition and Food Research (Zeist, The Netherlands);
f) Drs. D.G. Kloet from the Institute of Food Safety (RIKILT, Wageningen, The Netherlands).

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Samenvatting

Een belangrijk aspect van voedselveiligheid is de controle van bestrijdingsmiddelenresiduen op voeding. Residubeoordelingen van bestrijdingsmiddelen worden uitgevoerd om wettelijke residulimieten (MRLs = maximum residue limits) vast te stellen voor plantaardige en dierlijke producten. MRLs worden afgeleid om controle op residuen te kunnen uitvoeren en hiermee de volksgezondheid te beschermen. Acceptatie en harmonisatie van MRLs bevordert handel van agrarische producten tussen en binnen landen.
Uitgangspunt bij de residubeoordelingen van bestrijdingsmiddelen is de wettelijke of de voorgestelde gebruiksaanwijzing van het desbetreffende middel. Alleen die gewassen die in de gebruiksaanwijzing worden genoemd worden beoordeeld en alleen voor die gewassen worden MRLs vastgesteld. Voor alle overige gewassen wordt de MRL per definitie vastgesteld op de bepalingsgrens van de analysemethode (LOQ).
Voor de aanvrager is het niet altijd verplicht om residugegevens in te leveren voor ieder afzonderlijk gewas dat in de gebruiksaanwijzing vermeld is. In de EU-handleiding voor residubeoordelingen, het zogenaamde Lundehn document, worden agrarische gewassen ingedeeld in groepen, waarbinnen de resultaten vergelijkbaar worden geacht. Binnen deze groepen kunnen de resultaten van een enkel gewas geëxtrapoleerd worden hetzij naar een ander gewas of naar de gehele gewasgroep. In het Lundehn document zijn verschillende groepsindelingen gemaakt voor de diverse beoordelingsonderdelen. Omdat in het Lundehn document per beoordelingsonderdeel alleen voorbeelden van gewassen worden genoemd, bestaat het gevaar dat gewassen, die niet genoemd zijn in dit document, verschillend geclassificeerd worden door de verschillende gebruikers van deze classificatie.
De classificatie die in het huidige rapport gepresenteerd wordt, bevat een uitgebreide classificatie voor agrarische gewassen die in de Europese Unie worden geteeld of worden geïmporteerd hetzij voor humane consumptie of voor veevoer. Elk gewas is geclassificeerd voor de relevante onderdelen van het bestrijdingsmiddelenbeoordelingsproces, te weten: plantmetabolisme, gewasbemonstering, residuproeven onder toezicht, veevoer, stabiliteit tijdens opslag van analytische monsters, validatie van analysemethoden en volggewassen.

Summary

An important aspect of food safety is the control of pesticide residues on food. Pesticide residue assessments are conducted to establish legal limits, known as maximum residue limits (MRLs), for pesticide residues in plant and animal commodities. MRLs are established to be able to check on residues to protect the health of consumers. Acceptance and harmonisation of MRLs is conducive to fair trade of agricultural products between or within countries. Starting point for pesticide residue assessments are the legal or intended instructions for pesticide use. Only the crops mentioned in these instructions are assessed and for these crops maximum residue limits are established. For all other crops, the MRL is per definition set at the limit of quantification of the analytical method (LOQ).
For the notifier, it is not always obligatory to hand in all residue data for every individual crop mentioned in the instructions for pesticide use. In the EC guidelines for residue assessment, the so-called Lundehn document, agricultural crops are classified into groups in which results are considered to be comparable. Within these groups, the results for one crop may be extrapolated, either to another crop or to the crop group as a whole. In the Lundehn document, different classifications are made for the various assessment items. Because only examples of crops are given per assessment item in the Lundehn document, there is a probability that crops not mentioned in this document will be classified differently by different users of the classification.
The classification documented here, however, contains an extended classification for agricultural crops grown in or imported into European Union countries that are either intended for human consumption or for livestock feed. Each crop is classified under relevant items of the residue assessment process. These are: plant metabolism, crop sampling, supervised residue trials, livestock feed, storage stability of analytical samples, validation of analytical methods and rotational crops.

1. Introduction

An important aspect of food safety is the control of pesticide residues on food. Pesticide residue assessments are conducted to establish legal limits, known as maximum residue limits (MRLs), for pesticide residues in plant and animal commodities. MRLs are established to be able to check on residues to protect the health of consumers. Acceptance and harmonisation of MRLs is conducive to fair trade of agricultural products between or within countries.
The pesticide residue assessment process involves various steps:

1. evaluation of the pesticide metabolism in relevant agricultural crops and if necessary in livestock fed with these crops;
2. definition of the residue (marker compound(s) and toxic metabolites);
3. evaluation of residue analytical methods in relevant agricultural crops and if necessary in animal commodities and processed agricultural crops;
4. evaluation of pesticide residue stability during storage of analytical samples;
5. establishing maximum and median pesticide residue levels in agricultural crops suitable for human consumption and if necessary in agricultural crops suitable for livestock feed from supervised field trials where relevant crops are treated with the pesticide in question according to the legal instructions for pesticide use (in accordance with the most critical application) and according to normal agricultural practices;
6. if necessary establishing maximum and median pesticide residue levels in animal commodities from livestock fed with pesticides at levels present in relevant agricultural crops suitable for livestock feed;
7. if necessary establishing the effect of household preparation and industrial processing on pesticide residue levels in relevant agricultural crops;
8. if necessary assessing residue levels in relevant rotational or succeeding agricultural crops.

The pesticide residue assessments on national level (The Netherlands) and on European level are conducted according to the EC guidelines originally layed down in the so-called Lundehn document [1]. This document is adapted regularly according to the latest scientific views. Starting point for pesticide residue assessments are the legal or intended instructions for pesticide use. Only the crops mentioned in these instructions are assessed and for these crops maximum residue limits are established. For all other crops, the MRL is per definition set at the limit of quantification of the analytical method (LOQ).
For the notifier, it is not always obligatory to hand in all residue data for every individual crop mentioned in the instructions for pesticide use. In the Lundehn document, agricultural crops are classified into groups in which results are considered comparable. Within these groups, the results for one crop may be extrapolated, either to another crop or to the crop group as a whole. In the Lundehn document, different classifications are made for the various assessment items: e.g. for metabolism studies crops are classified in five groups, where for supervised residue trials only limited extrapolations between crops are possible. Because only

examples of crops are given per assessment item in the Lundehn document, there is a probability that crops not mentioned in this document will be classified differently by different users of the classification.
The present report aims to improve the comparibility of residue assessments made by different evaluators by making a list of all agricultural crops grown in or imported into the European Union countries that are either intended for human consumption or for livestock feed. Each crop will be classified under relevant items of the pesticide residue process. These are: plant metabolism, crop sampling, supervised residue trials, livestock feed, storage stability of analytical samples, validation of analytical methods and rotational crops.
The present report is both aimed for pesticide residue assessment on the national (Dutch) level as on the European level. Therefore classification and crop names are both stated in Dutch and in English.

2. Classification of crops

2.1 Proposal for EU-classification of crops

Crops grown in or imported into the European Union (EU) countries are classified according to the Annexes of Directives 90/642/EEC (groups 1-8, fruits, vegetables, pulses, oilseeds, potatoes, tea, hops, and spices) [2] and 86/362/EEC (group 9, cereals) [3]. The EU classification is implemented in the Dutch Regulation of Pesticide Residues "Regeling Residuen van Bestrijdingsmiddelen". In the Dutch classification also other groups are included, namely tropical seeds (10), sugar (11) and animal products (12-17). It is proposed to use the Dutch classification as starting point for the new classification.
Next to these classifications a Codex Classification exists for food, animal feed and processed food [4]. The Codex Classification is not used for pesticide residue assessments on national (Dutch) or European level, but the list might be valuable for classification of crops not listed in the Dutch classification.
In the EU classification only those crops are listed that are used for human consumption and for the commercial market. This classification is not a botanical classification, but is based on the way the crops are consumed, i.e. the products of these crops. Classification is based on the type of crop (e.g. fruit, vegetables, cereals), the growth stage when crops are consumed (e.g. legume vegetables and dry harvested pulses are listed in different crop groups), the potential intake (e.g. potatoes are listed in a different group than root and tuber vegetables) and the crop part that is consumed (e.g. herb leaves and herb seeds are listed in different crop groups). In addition, also some processed products are included (e.g. oil from oilseeds, cereal products, sugar).
Crops used as primary crop for livestock feeding, herb teas, medicinal herbs, tobacco, and crops for sugar production (sugar beets, sugar cane) are not listed in the Dutch classification. Because these crops do appear on instructions for pesticide use and these crops are sometimes described either in metabolism studies, supervised residue trials, storage stability studies or validations of analytical methods, a classification is needed for these crops as well.
Because, in general, no MRLs are established for livestock feed, herb teas, medicinal herbs, and tobacco, it is proposed to add these crops as extra groups to the existing Dutch classification. Therefore, the additional crop groups are numbered 18-22.
In the Dutch classification, sugar is the only product listed under "various vegetable products" (group 11). The products where sugar is derived from (sugar beets, sugar cane) are not listed. Although sugar cane is not grown or imported into the EU, the crop is added to group 11 because it is an important crop in other parts of the world. Cane sugar is imported into the EU and metabolism studies in this crop are submitted for Dutch or European residue assessments. Roots used for sugar production (sugarbeets, industrial chicory roots) are also listed in group 11, because they are primarily cultivated for sugar production. The crop as such is not used for human consumption and only the remains after the sugar production process are fed to livestock.

Crops listed as crop for livestock feed are only included if they are solely cultivated for livestock feed. Crops that can be cultivated both for human consumption and for livestock feed are listed in one of the groups 1-11. Crops of which a part is used for human consumption (e.g. cereal grains) and the remaining part is used for livestock feed (e.g. cereal straws) are not listed as separate crops, but are listed in one of the groups 1-11.
A commodity is classified as tealike product when it is prepared by extraction with hot water prior to consumption (e.g. fresh or dried roots, leaves/flowers or fruits/seeds). Tealike products can be made from fruit crops, herbs or trees and are often claimed to have a medicinal effect. In the proposed classification, tealike products with a medicinal effect are not listed again under medicinal herbs. Tealike products are only listed if they are on the commercial market; products taken for private use from home gardens or from nature, are not listed. Because the use of tealike products (extract of the crop in question) is different from crops already listed for human consumption (e.g. fruits, fresh herbs, spices), a crop can be listed twice: once for human consumption and once for herb tea.
The list of medicinal herbs is not exhaustive: only the herbs used for the pharmaceutical industry are listed. For the pharmaceutical industry in most cases an active substance is isolated from the plant part in question; the crop in question in most cases is highly toxic. Because a number of crops are important crops for non-food industrial purposes, these crops are listed as an individual crop group, although they are not relevant for pesticide residue assessments.
Crops grown in home gardens for private use (e.g. Japanese wineberry), green manure crops (e.g. phacelia) and wild crops not used for the commercial market (e.g. wild elderberries), are not listed in the Dutch classification. Because these crops will not appear in a dossier for pesticide residue assessment, they are not listed in the newly proposed classification as well.
Grasses are only listed in the newly proposed classification as far as they are used for livestock feeding. The proposed classification is therefore not an exhaustive list of all crops grown in or imported into the EU.
In addition, a number of modifications are proposed for the existing EU classification.

a) product group 1.1 (citrus fruits) is split into two subgroups: small and big citrus fruits.
b) product group 1.6 (miscellaneous fruits) is split into two groups: fruits with edible peel and fruits with inedible peel. Because extrapolations are possible for post-harvest use on fruits with inedible peel (see table 6 of appendix D of the Lundehn document), the fruits with inedible peel are subdived further in small fruits with inedible peel, big fruits with inedible peel and other fruits with inedible peel.
c) product group 2.1 (root and tuber vegetables) is split into two subgroups: root and tuber vegetables and tropical roots and tubers.
d) product group 2.2 (bulb vegetables) is split into two subgroups: dry harvested bulb vegetables and green bulb vegetables.
e) product group 2.6 (legume vegetables) is split into four subgroups: beans with and without pods, peas with and without pods.
f) product group 2.8 (fungi) is split into two subgroups: cultivated and wild mushrooms.

g) product group 3 (pulses) is split into three subgroups: beans, peas, and other pulses. Further an extra group of sprouting vegetables is added. When residues in sprouts are found, they arise from treatment of the corresponding pulses (or seeds). Sprouting vegetables are classified as a separate subgroup, because these crops are categorised as different from pulses for analytical method validation and storage stability.
h) product group 2.5e (fresh herbs) does only cover the uses of leaves of fresh herbs. Use of roots and seeds of fresh or dry harvested herbs is therefore combined with spices.
i) product group 8 (spices) is split into use of roots, leaves/flowers and fruits/seeds. Spices include both spices and herbs (except fresh herb leaves listed in 2.5e). At present there is an ongoing discussion in CCPR if spices and (dried) herbs may be included in the same group, because different MRL regimes might apply to each group. Spices are often imported from tropical regions as dried product, whereas herbs grow in the EU and may be traded dry and fresh. MRLs on herbs apply on the raw agricultural commodity (in combination with a processing factor for drying), whereas MRLs on spices apply on the product as imported, which is in general not the raw agricultural commodity but the dried product. Because a clear definition of spices and herbs is not available, it is proposed here to include spices and herbs in the same group (8).

Table 1 shows the proposed product groups and product subgroups; appendix 2 shows which agricultural crops are included in these product (sub)groups.
When an MRL is proposed, it has to be specified for which crop of appendix 2 this MRL applies. When an MRL is proposed for a whole product (sub)group, than the MRL applies to all the crops in this product (sub)group, as mentioned in appendix 2.
In table 1 also the classifications for plant metabolism (M), rotational crops (RC), stability during storage of analytical samples (SS) and validation of analytical methods (AM) are presented. These classifications are explained further in the following chapters.

Table 1 Proposed product groups and product subgroups for classification of crops

ENGLISH PRODUCT (SUB)GROUP	DUTCH PRODUCT(SUB)GROEP	M	RC	SS	AM
1. Fruit and nuts	1. Fruit en noten				
1.1 CITRUS FRUIT	1.1 CITRUSVRUCHTEN				
a. big citrus fruit	a. grote citrusvruchten	F	na	acid	acid
b. small citrus fruit	b. kleine citrusvruchten	F	na	acid	acid
1.2 TREE NUTS	1.2 NOTEN	F	na	fat[a]	fat[a]
1.3 POME FRUIT	1.3 PITVRUCHTEN	F	na	water	water
1.4 STONE FRUIT	1.4 STEENVRUCHTEN	F	na	water	water
1.5 BERRIES AND SMALL FRUIT	1.5 BESVRUCHTEN EN KLEIN FRUIT				
a. table and wine grapes	a. tafel- en wijndruiven	F	na	water	water
b. strawberries (other than wild)	b. aardbeien (andere dan bosaardbeien)	F	F	water	water
c. cane fruit (other than wild)	c. rubussoorten (andere dan wilde vruchten)	F	na	water	water
d. other small fruit and berries (other than wild)	d. ander kleinfruit en besvruchten (voor zover niet wild)	F	na	water[a]	water[a]
e. wild berries and wild fruit	e. wilde besvruchten en wilde vruchten	F	na	water	water
1.6 MISCELLANEOUS FRUIT	1.6 DIVERSE VRUCHTEN				
a. miscellaneous fruit with edible peel	a. diverse vruchten met eetbare schil	F	na	water[a]	water[a]
b. miscellaneous big fruit with inedible peel	b. diverse grote vruchten met niet-eetbare schil	F	na	water[a]	water[a]
c. miscellaneous small fruit with inedible peel	c. diverse kleine vruchten met niet-eetbare schil	F	na	water	water
d. other miscellaneous fruit with inedible peel	d. overige diverse vruchten met niet-eetbare schil	F	na	water[a]	water[a]

ENGLISH PRODUCT (SUB)GROUP	DUTCH PRODUCT(SUB)GROEP	M	RC	SS	AM
2. Vegetables	2. Groente				
2.1 ROOT AND TUBER VEGETABLES	2.1 WORTEL- EN KNOLGEWASSEN				
a. root and tuber vegetables	a. wortel- en knolgroente	R	R	water[a]	water[a]
b. tropical roots and tubers	b. tropische wortels en knollen	R	na	water	water
2.2 BULB VEGETABLES	2.2 BOLGEWASSEN				
a. dry harvested bulb vegetables	a. drooggeoogste bolgewassen	R	R	water[a]	water[a]
b. green bulb vegetables	b. groene bolgewassen	L	na	water	water
2.3 FRUITING VEGETABLES	2.3 VRUCHTGROENTEN				
a. solanacea	a. solanaceae	F	na	water[a]	water[a]
b. cucurbits; edible peel	b. cucurbitaceae met eetbare schil	F	F	water	water
c. cucurbits; inedible peel	c. cucurbitaceae met niet-eetbare schil	F	na	water	water
d. sweet corn	d. suikermaïs	C	C	-	-
2.4 BRASSICA VEGETABLES	2.4 KOOLSOORTEN				
a. flowering brassicas	a. bloemkoolachtigen	L	L	water	water
b. head brassicas	b. sluitkoolachtigen	L	L	water	water
c. leafy brassicas	c. bladkoolachtigen	L	L	water	water
d. kohlrabi	d. koolrabi	L	na	water	water
2.5 LEAF VEGETABLES AND FRESH HERBS	2.5 BLADGROENTEN EN VERSE KRUIDEN				
a. lettuce and similar	a. sla en dergelijke	L	L	water	water
b. spinach and similar	b. spinazie en dergelijke	L	L	water	water
c. watercress	c. waterkers	L	na	water	water
d. witloof	d. witlof	L/R	R	water	water
e. fresh herbs	e. verse kruiden	L	na	water	water
2.6 LEGUME VEGETABLES (FRESH)	2.6 PEULGROENTEN (vers)				
a. beans with pods	a. bonen met peul	P/O	P/O	water	water
b. beans without pods	b. bonen zonder peul	P/O	P/O	water	water
c. peas with pods	c. erwten met peul	P/O	P/O	water	water
d. peas without pods	d. erwten zonder peul	P/O	P/O	water	water
2.7 STEM VEGETABLES	2.7 STENGELGROENTEN	L	L	water	water
2.8 FUNGI	2.8 FUNGI				
a. cultivated mushrooms	a. gekweekte paddestoelen	F	na	water	water
b. wild mushrooms	b. wilde paddestoelen	F	na	water	water
3. Pulses	3. Peulvruchten				
a. dry harvested beans	a. drooggeoogste bonen	P/O	P/O	dry	dry
b. dry harvested peas	b. drooggeoogste erwten	P/O	P/O	dry	dry
c. other dry harvested pulses	c. overige drooggeoogste peulvruchten	P/O	P/O	dry	dry
d. sprouting vegetables	d. spruitgroente	P/O	na	water	water
4. Oilseeds and their products	4. Oliehoudende zaden en de daarvan afgeleide producten				
4.1 OIL SEEDS	4.1 OLIEHOUDENDE ZADEN	P/O	P/O	fat	fat
4.2 VEGETABLE OILS AND FATS	4.2 PLANTAARDIGE OLIEN EN VETTEN	na	na	na	na
5. Potatoes	5. Aardappelen	R	R	water	water
6. Tea	6. Thee	L	na	-	-
7. Hops	7. Hop	L	na	-	-
8. Spices	8. Specerijen				
a. spices and herbs for culinary use; roots	a. specerijen en kruiden voor keukengebruik; wortels	R	na	-	-
b. spices and herbs for culinary use; leaves/flowers, other than 2.5e	b. specerijen en kruiden voor keukengebruik; blad/bloemen, anders dan 2.5e	L	na	water[a]	water[a]
c. spices and herbs for culinary use; fruit/seeds	c. specerijen en kruiden voor keukengebruik; fruit/zaden	F; P/O	na; P/O	water; fat[a]	water; fat[a]
d. other spices and herbs for culinary use.	d. overige specerijen en kruiden voor keukengebruik	na	na	-	-
9 Cereals and cereal products	9 Granen en graanproducten				
9.1 CEREALS	9.1 GRANEN	C	C	dry	dry
9.2 PRODUCTS OF CEREALS	9.2 GRAANPRODUCTEN	na	na	na	na
10 Tropical seeds and their products	10 Tropische zaden en producten daarvan				
10.1 TROPICAL SEEDS	10.1 TROPISCHE ZADEN	F	na	-	-
10.2 PRODUCTS OF TROPICAL SEEDS	10.2 PRODUCTEN VAN TROPISCHE ZADEN	na	na	na	na
11 Various vegetable products	11 Diverse plantaardige producten				
a. roots for sugar production	a. wortels voor suikerproductie	R	R	-	-
b. sugar cane	b. suikerriet	C	na	-	-
c. sugar	c. sugar	na	na	na	na
12-17 Animal commodities	12-17 Dierlijke producten	na	na	na	na
18 Crops for livestock feed	18 Veevoergewassen				
18.1 GREEN FORAGE	18.1 GROENVOEDERS				
a. grasses	a. grassen	C	C	water	water
b. cereal forage	b. snijgranen	C	C	water	water
c. papilionacea for livestock feed	c. vlinderbloemigen voor veevoer	P/O	P/O	water	water
d. forage rape	d. bladkool voor veevoer	L; P/O	L; P/O	water	water

ENGLISH PRODUCT (SUB)GROUP	DUTCH PRODUCT(SUB)GROEP	M	RC	SS	AM
18.2 ROOTS AND TUBERS FOR LIVESTOCK FEED	18.2 WORTELS EN KNOLLEN VOOR VEEVOER	R	R	water	water
18.3 DRY HARVESTED PULSES FOR LIVESTOCK FEED	18.3 DROOGGEOOGSTE PEULVRUCHTEN VOOR VEEVOER	P/O	P/O	dry	dry
18.4 CEREALS FOR LIVESTOCK FEED	18.4 GRANEN VOOR VEEVOER	C	C	dry	dry
19 Tealike products	19 Theeachtige producten				
a. tealike products; roots	a. theeachtige producten; wortels	R	na	-	-
b. tealike products; leaves/flowers	b. theeachtige producten; blad/bloemen	L	na	water	water
c. tealike products; fruit/seeds	c. theeachtige producten; fruit/zaden	F; P/O	na	water; fat	water; fat
20 Medicinal herbs	20 Medicinale kruiden				
a. medicinal herbs; roots	a. medicinale kruiden; wortels	R	na	water	water
b. medicinal herbs; leaves/flowers	b. medicinale kruiden; blad/bloemen	L	na	water	water
c. medicinal herbs; fruit/seeds	c. medicinale kruiden; fruit/zaden	F; P/O	na	water; fat	water; fat
21 Tobacco	21 Tabak	L	na	-	-
22 Non-food industrial crops	22 Gewassen voor industriele doeleinden	na	na	na	na

M classification for plant metabolism studies (see 2.2);
RC classification for rotational or succeeding studies (see 2.4)
SS classification for storage stability studies (see 2.7);
AM classification for analytical method validation (see 2.8);
- special case, individual tests required
na not applicable
a exceptions see appendix 2

For the following crops the chosen classification is questionable in view of it's use:

a) Blue bilberry (*Vaccinium myrtilis*) is a wild berry in The Netherlands and it is not cultivated. It is unlikely that it is cultivated in other European countries. It is very often confused with the cultivated blueberry (*Vaccinium corymbosum*), which is an American variety of the blue bilberry. Blue bilberry could therefore better be classified as "wild berries and wild fruit". Because these crops are listed in the EC directive, the classification is kept as it is.
b) Horse radish is classified in EC directive 90/642/EEC as "root and tuber vegetables". Peppers like chili pepper and cayenne pepper are classified in EC directive 90/642/EEC as "solanacea". The Codex Classification uses a similar classification for these crops. But because of the very spicy taste, only small amounts are used for human consumption. In addition chili peppers and cayenne peppers are often traded as dried or milled products. These products could therefore better be classified as "spices and herbs for culinary use", roots in the case of horse radish and fruits/seeds in the case of chili peppers and cayenne pepper. Because these crops are listed in the EC directive, the classification is kept as it is.
c) The rationale behind classification as "lettuce and similar" or "spinach and similar" is not known. If the way the crops are eaten is chosen as criterion: mainly fresh (lettuce) versus fresh and cooked (spinach), than endive (eaten fresh and cooked) does not fit in "lettuce and similar". If the appearance of the crops is chosen as criterion: single crop (lettuce) versus several loose leaves (spinach), than cress (loose plants) does not fit in "lettuce and similar". These crops could therefore better be classified as one single group. Because these groups are listed in the EC directive, the classification is kept as it is, but classification of additional crops will be debatable at any time.

d) Bulb fennel is classified in EC directive 90/642/EEC as “stem vegetables”. Here the EC deviates from the Codex Classification where bulb fennel is classified as “bulb vegetables”. The EU classification is kept as it is.
e) Herbs listed in the updated draft EU classification of (minor) crops [5], where classification as fresh herbs or another classification as leafy vegetable is still questionable, are not included in the list. These herbs include clary, feverfew, French marigold, marigold flowers, field melilot, rue, sweet trefoil, woodruff, wormwoods. These herbs are not very frequently used and will probably not appear in a dossier for pesticide residue assessment.
f) Fungi are classified in EC directive 90/642/EEC as “fungi”. Here the EU deviates from the Codex Classification where fungi are classified as “fruiting vegetables”. The EU classification is kept as it is.
g) Tamarind is classified as “spices and herbs for culinary use; fruit/seeds” and not as “miscellaneous fruit”, because the main use is as spice and as raw material for beverages. Tamarind is traded as vacuum sealed sticky seeds, as paste or as syrup.
h) Cape gooseberry is classified as “fruiting vegetables, solanacea” and not as “miscellaneous fruit”, because it belongs to the family of Solanaceae and is cultivated similar to tomatoes. The Codex Classification also classifies cape gooseberry as fruiting vegetable.
i) Canistel (*Pouteria campechiana*) is classified as miscellaneous fruit with inedible peel, small. Other Pouteria species (green sapote; mamey sapote) are classified as miscellaneous fruit with inedible peel, big.
j) Jambolan (*Syzygium cumini*) is classified as miscellaneous fruit with edible peel, because the other Syzygium species (water apple, rose apple, Malay apple) were also classified as such. Codex classifies jambolan as fruit with inedible peel.
k) Chinese broccoli (*Brassica oleracea*) is classified as flowering brassicas although the crop is more leaf than flower. Codex classifies Chinese broccoli also as flowering brassicas.
l) In the present classification remains of human food, that are fed to livestock, are not presented as separate items in the list (e.g. straw of cereals). They can indirectly be found in the column livestock feed (LF) in appendix 2.
m) In the present classification processed food (e.g. raisins, wine) and remains of processed food (e.g. oilseed meal as livestock feed), are not presented as a separate product group.

2.2 Classification for plant metabolism studies

For each crop mentioned in the legal or intended instructions for pesticide use, a metabolism study on that particular crop or on a crop belonging to the same crop group is required. If a wide range of uses in different crop categories is envisaged, metabolism data for three relevant crop categories are sufficient, unless it could be expected that a different metabolism will occur. In annex I of appendix A of the Lundehn document, crops are classified in five

groups for plant metabolism data requirements. The classification is based on the plant part that is consumed or fed: R (root vegetables), L (leafy crops), P/O (pulses and oilseeds), F (fruits), and C (cereals). The numbering of the crop groups listed in appendix A of the Lundehn document is equal to the numbering of table 1 (in the present report) up to group 7; thereafter numbering is different. It is proposed to modify the numbering of appendix A of the Lundehn document according to table 1. For each of the product (sub)groups in table 1, the crop category for metabolism studies is indicated in table 1 and in appendix 2.
For a few crops where the choice is debatable, the rationale is given:

a) Sweet corn is categorised as cereals, because it is an immature form of maize.
b) Tropical seeds are classified as fruits, because the seeds are used in processed form.
c) Green bulb vegetables are classified as leavy crops, because the main part of the plant grows above the ground and this is the part that is consumed.
d) For crop types for which both roots and leaves are consumed, metabolism studies for both leafy crops and root vegetables are required. For example, turnip tops are classified as leafy crops and turnip roots are classified as root vegetables.
e) Spices, herbs for culinairy use, tealike products and medicinal herbs are classified as fruits, pulses/oilseeds, root vegetables or leafy crops, depending which plant part is used. When classified as “use of fruit” (e.g. juniper berry) these crops are classified as fruits. When classified as “use of seeds” (e.g. caraway seed) these crops are classified as pulses/oilseeds, because very often (etheric) oil for non-food or medicinal purposes is extracted from these seeds.
f) Processed products (e.g. cereal products) are not classified: stated as na = not applicable.
g) Crops in immature form are classified as the mature crop. For example legume vegetables are classified as pulses/oilseeds and cereal forage is classified as cereals.
h) In the Lundehn document grasses and forage crops are classified as cereals. But only for grasses and cereal forage this choice is adopted; other green forages are classified otherwise. Papilionacea are classified as pulses/oilseeds, because of plant similarity between legume vegetables which are classified as pulses/oilseeds in the Lundehn document. Forage rape is classified as leafy crops or as pulses/oilseeds, depending on which plant type the forage came from.
i) Sugar cane is categorized as cereals, because it is a monocotyle just as cereals.
j) Tobacco, hops and tea are categorized as leafy crops in accordance with appendix A of the Lundehn document.
k) Sprouting vegetables are classified as pulses/oilseeds. Sprouting vegetables themselves are not treated with pesticides and residues present in the sprouts derive from treatments on the pulses/oilseeds (either from treatments during growing of the pulses/oilseeds or from post-harvest treatments on the pulses/oilseeds).
l) Roots for sugar production (e.g. sugar beet) are categorized as root vegetables in accordance with appendix A of the Lundehn document.
m) Roots and tubers for livestock feed (e.g. fodder beet) are categorized as root vegetables in accordance with appendix A of the Lundehn document.

n) Witloof is categorized as leafy crop or as root vegetable, depending which part of the cultivation process is assessed. First the roots are cultivated in the field. The roots are harvested (leaves are removed) and the roots are stored in the cold. Thereafter the witloof is cultivated from the roots inside dark climate conditioned rooms in water baths.

2.3 Classification for sampling of crops

For each crop mentioned in the legal or intended instructions for pesticide use, a supervised residue trial on that particular crop is required as part of the authorization procedure for plant protection products. Only limited extrapolations are allowed (see appendix D of the Lundehn document). In appendix B of the Lundehn document general advice is offered concerning the design, preparation and realisation of supervised residue trials, the recording of experimental data, sampling, storage of samples and their transport. The crop categories presented in this appendix do not match the crop classification as presented in table 1. Table 2 shows the proposed modifications. At present the sequence of the crop groups in appendix B of the Lundehn document is in random order; preference is given to a page sequence corresponding to increasing group numbers.

Table 2 Proposed modifications for appendix B of the Luhndehn document

Page number in Lundehn appendix B	Group name in Lundehn appendix B	Proposed group name
11; 14	Pome fruit	1.3 Pome fruit
11; 15	Stone fruit (large)	1.4 Stone fruit
11; 16	Stone fruit (small)	1.4 Stone fruit
11; 17; 18	Berries	1.5 Berries and small fruit
11; 19	Grapes	1.5 Berries and small fruit
11; 20	Citrus fruit	1.1 Citrus fruit
11; 21; 22	Tropical and subtropical fruit (edible skin)	1.6 Miscellaneous fruit
11; 23; 24; 25	Tropical and subtropical fruit (inedible skin)	1.6 Miscellaneous fruit
11; 26; 27	Tree nuts	1.2 Tree nuts
11; 28	Potatoes	5 Potatoes
11; 29; 30; 31	Root and tuber vegetables	2.1 Root and tuber vegetables
11; 32; 33; 34	Bulb vegetables	2.2 Bulb vegetables
11; 35; 36; 37; 38	Brassicas	2.4 Brassica vegetables
11; 39; 40; 41	Leaf vegetables	2.5 Leaf vegetables and fresh herbs
11; 12; 42; 43; 44; 45	Stem vegetables	2.7 Stem vegetables
12; 46	Legume vegetables (fresh)	2.6 Legume vegetables (fresh)
12; 47	Pulses	3 Pulses
12; 48; 49; 50	Fruiting vegetables (edible skin)	2.3 Fruiting vegetables
12; 51	Fruiting vegetables (inedible skin)	2.3 Fruiting vegetables
12; 52	Fruiting vegetables	2.3 Fruiting vegetables
12; 53	Fungi	2.8 Fungi
12; 54	Sugar beet	11 Various vegetable products
12; 55	Cereals (except rice and maize)	9.1 Cereals
12; 57	Rice	9.1 Cereals
12; 58	Maize	9.1 Cereals
12; 59	Sugar cane	11 Various vegetable products
12; 60	Fodder legumes and fodder grasses	18.1 Green forage
12; 61	Fodder beet	18.2 Roots and tubers for livestock feed
12; 62; 63; 64; 65; 66	Oilseeds	4.1 Oil seeds
12; 67	Herbs	2.5 Leaf vegetables and fresh herbs
12; 68	Tea	6 Tea
12; 69	Hops	7 Hops
12; 70	Tobacco	21 Tobacco

2.4 Classification for rotational or succeeding crops

Rotational crops are crops grown in a rotational scheme to reduce disease and soil depletion. When a primary crop failed early in the growing season, a succeeding crop with a short growing period can be cultivated instead. In order to prevent rotational or succeeding crops from becoming contaminated to an unacceptable level, the residue situation in these crops must also be considered. Crops must be chosen which are grown as rotational crops in agricultural practice and which in terms of residue formation are representative of certain groups of crops.

Testing of a pesticide in rotational crops consists of five steps. When preliminary tests (step 1 – 3) indicate that residues are expected in rotational crops, than a confined rotational crop study (step 4) is conducted where the worst case residue situation is simulated. In appendix C of the Lundehn document, crops for confined rotational crop studies are grouped in four categories: root vegetables, leafy vegetables, cereals and brassica vegetables. In step 5 (field trials) three crops have to be chosen that are representative for rotational crops and residue formation.

For rotational crops the classification can be analogous to that of metabolism. Considering this, the group of brassica vegetables is unnecessary. The reason for this extra group in appendix C of the Lundehn document is not known. This group is therefore considered to be a leafy crop. The classification for rotational crops is therefore also based on the plant part that is consumed or fed: R (root vegetables), L (leafy crops), and C (cereals). But this classification is considered incomplete:

a) Pulses and oilseeds and herbs (for seed use) are not mentioned in appendix C of the Lundehn document but are used as rotational crop in agricultural practice (code P/O). Pulses are sown in February - May and dry beans/peas are harvested in July-Sept (depending on variety). Herbs are sown in spring – early summer and seeds are harvested in summer. Oilseeds can either be sown in the autumn of the previous year or in spring and dry seeds are harvested in summer. After harvest, plants are removed (straw) or ploughed into the soil and the field can be used for another crop.
b) Fruits like strawberries are not mentioned in appendix C of the Lundehn document but are used as rotational crop in agricultural practice (code F). For normal field culture strawberries are planted in August and are harvested in June-July the next year. Several other field cultivation methods exist e.g. planting in spring using cooled plants or the use of varieties with continuous harvests or the use of removable plastic tunnels to advance or retard the normal harvest times. After harvest the strawberry plants are destroyed and the field can be used for another crop.
c) Fruit trees (e.g. apple, pear) and fruit shrubs (e.g. grapes, currants) are staying on the same place for several years and are not followed by other crops in rotation; rotational crop studies are therefore not relevant for these crops.
d) Fungi are cultivated inside on specialised soil mixtures, which are discarded after use as manure, and rotational crop studies are therefore not relevant for this crop.

e) Tropical crops (miscellaneous fruits from tropical regions, tropical roots and tubers, tropical seeds, spices) are imported. These crops are not grown in Europe and rotational crop studies are not relevant here.
f) Sprouting vegetables are cultivated inside on a wetted substrate which is discarded after use and rotational crops are not relevant here.
g) For witloof only the root cultivation process is relevant for rotational crop studies; the witloof (leaf) cultivation process is conducted in water which is discarded after use.
h) For greenhouse crops, rotational crop studies are only relevant when the crops are cultivated in soil or on a thin layer of soil. For greenhouse crops cultivated in/on substrates, rotational crop studies are considered not relevant, because substrates are reused after thorough cleaning and sterilisation. Soil from greenhouses is decontaminated using volatiles and rotational crop studies are relevant. Rotational crops can be the same as the primary crop or can be a different greenhouse crop.
   In most Northern European countries, fruiting vegetables are grown in/on substrates and rotational crops are not relevant. In Southern European countries fruiting vegetables can either be grown in/on substrates or on a thin layer of soil and in the latter case rotational crop studies are relevant. For other greenhouse crops like lettuce, spinach and green beans cultivation in soil is common practice both in Northern and Southern Europe, and rotational crop studies are relevant.

Confined rotational crop studies restricted to the groups mentioned in the Lundehn document (root vegetables (R), leafy crops (L) and/or cereals (C)) are acceptable, but study reports on fruits (F) or pulses/oilseeds (P/O) can be accepted as well. For field studies at least three representative rotational crops have to be chosen for the situation. These crops may be chosen from the five categories: root vegetables (R), leafy crops (L), cereals (C), pulses/oilseeds (P/O) or fruits (F).
Basically the same classification is used as for metabolism studies, with the annotation that not all crops are used as rotational crop in agricultural practice. In table 1 and appendix 2 is indicated which crop is used as rotational crop by using the letter code behind it. When no code is given (indication "-") than it is no common practice to use this crop as rotational crop for field cultivation. Table 3 shows which crops are used in agricultural practice [6] and which crops are found in residue files.
For greenhouse cultivation any crop used for greenhouse cultivation can be used as succeeding crop. In most cases a grower is specialised in only a few crops and it is most likely that the same crop will be cultivated again. Therefore crops for greenhouse cultivation are not listed in table 1, table 3 and appendix 2.

The classification in the Lundehn document is based on crop type. But the growing period of the crops can be important as well. Crops with a short growing period (< 3 months), with a normal growing period (3-8 months) and a long growing period (> 8 months) should be considered. In most cases crops with a normal or long growing period are only relevant when crops with a short growing period show residues. Alternatively crops can be harvested at

Table 3 Rotational field crops used in agricultural practice and found in residue files

Crop group	Crops used in practice (field cultivation)	Crops found in residue dossiers for Dutch and EU assessments	Growing period
Fruits (F)	gherkin	-	short
	strawberry	-	long
Root vegetables (R)	radish, roots	radish, roots	short
	-	turnip, roots	short
	beetroot	beetroot	normal
	bulb onion	bulb onion	normal
	carrot	carrot	normal
	celeriac	-	normal
	potato	potato	normal
	salsify	-	normal
	scorzonera	-	normal
	shallot	-	normal
	silver skin onion	-	normal
	sugar beet	sugar beet	normal
	swede	-	normal
	witloof (root culture)	-	normal
Leafy crops (L)	radish, leaves	radish, leaves	short
	lettuce varieties	lettuce	short
	spinach	spinach	short
	-	Swiss chard	short
	Chinese cabbage	-	short
	lamb's lettuce	-	short
	endive	-	short
	leeks	-	normal
	cauliflower	-	normal
	head cabbage	head cabbage	normal
	Brussels sprouts	-	normal
	kale varieties	-	normal
Cereals (C)	grass	grass	short
	cereal forage	cereal forage	short
	sweet corn	-	normal
	maize (incl. fodder)	maize (incl. fodder)	normal
	spring barley (incl. straw)	-	normal
	oats (incl. straw)	oats (incl. straw)	normal
	spring rye (incl. straw)	-	normal
	spring wheat (incl. straw)	spring wheat (incl. straw)	normal
	-	sorghum (incl. straw)	normal
	winter barley (incl. straw)	-	long
	winter rye (incl. straw)	-	long
	winter wheat (incl. straw)	winter wheat (incl. straw)	long
Pulses/oilseeds (P/O)	oilseed rape forage	-	short
	alfalfa (forage)	-	short
	-	soyabean forage	short
	-	mustard forage	short
	fresh beans (+/- pods)	-	short – normal
	fresh peas (+/- pods)	-	short – normal
	dry harvested beans	-	normal
	dry harvested peas	-	normal
	-	dry harvested soya bean	normal
	poppy seed	-	normal
	-	mustard seed	normal
	linseed (flax)	-	normal
	summer oilseed rape	-	normal
	caraway seed	-	long
	winter oilseed rape	-	long

different growth stages, e.g. wheat harvested as wheat forage and wheat straw/grain or beans harvested as legume vegetable or as pulse straw/seed. In table 3, a subclassification for short, normal or long growing periods is given per crop.

2.5 Classification for extrapolation of residue trials

Appendix D of the Lundehn document provides guidelines on comparability, extrapolation, group tolerances and data requirements for pesticide residues in food and raw agricultural commodities. Tables 3-6 of appendix D provide guidelines on extrapolation of specific crops in four different situations:

1. Last application after the consumable part of the crop has formed.
2. Last application before the consumable part of the crop has formed.
3. Seed treatments
4. Post-harvest uses.

The numbering of crop groups in table 3-6 in appendix D of the Lundehn document up to group 7 is similar to that in table 1 (present report). Thereafter numbering is different, but names of crop group are merely the same, except that livestock feed is not included. It is proposed to modify the numbering in appendix D of the Lundehn document according to table 1.
The proposed classification in table 1 deviates on one point from the classification in appendix D of the Lundehn document. In appendix D of the Lundehn document tropical roots and tubers are listed under “potatoes”, where in table 1 they are listed under “root and tuber vegetables” as is proposed in the draft EU commission working document [5]. In the Lundehn document they are listed under “potatoes” to draw attention to the possible extrapolation from potatoes to tropical roots and tubers for post-harvest applications. In the Codex Classification potatoes are listed under “root and tuber vegetables” as well.
Potatoes are considered as a separate group in the EU classification, because of the importance of the consumption. Tropical roots and tubers do not have this widespread consumption rate in Europe and are therefore listed under root and tuber vegetables in the newly proposed classification. Consideration should be given to the classification of potatoes. Perhaps potatoes should also be listed under root and tuber vegetables for EU classification, because of the similarity of growing conditions and residue behaviour.

For the following crops the chosen classification is questionable in view of permitted extrapolations in the Lundehn document:

a) Mountain ash and black chokeberry are classified as “pome fruit” in Lundehn appendix B (very minor crops). They are not listed in the Codex Classification. Although mountain ash and black chockeberry are botanically related to pome fruit, the fruits are more like berries. Perhaps extrapolations from apples and pears to the whole group of pome fruit (table 3, appendix D of the Lundehn document) should be made more specific to large

fruits only. As an alternative, mountain ash and black chokeberry could be listed under "other small fruits and berries" as is service berry which is botanically more closely related to mountain ash. In the EU working document [5] classification of these crops is still under discussion.

b) Mulberry is classified as cane fruit in Lundehn appendix D (very minor crops) and in the Codex Classification. Although mulberry fruit looks the same as the other cane fruits, a mulberry is a large tree, whereas the other berries in this group are shrubs. Perhaps extrapolation from raspberries to the whole group of cane fruit (table 3, appendix D of the Lundehn document) should be made more specific to Rubus varieties only. The problem brought up here is more a theoretical problem, because a request for pesticide use on the whole group of cane fruit where the GAP for mulberries and the other crops of this group is the same, will probably never be made.
c) Sugar beet and fodder beet are classified as root and tuber vegetables in Lundehn appendix D (major crops) although they are not used for human consumption as such. In the newly proposed classification, sugar beet is listed in the group "roots for sugar production" and fodderbeet is listed in the group "roots and tubers for livestock feed". Due to this change in classification, problems in extrapolation could arise. In appendix D of the Lundehn document extrapolations for applications close to harvest are permitted between sugarbeet and fodderbeet and between sugarbeet and swedes or turnips or beetroot. The change in classification is in our opinion justified, because the background for these extrapolations is unknown and the extrapolations seem weird to us. The chemical composition of sugarbeet (17-20% carbohydrates as sugars) compared to the other crops (5-8% carbohydrates as sugars and starch) is quite different. The size of fodder beet and swede is comparable to sugarbeet although the shape of swede is different. For surface residues comparibility between sugarbeets and swedes or fodder beets might be correct, but for residues present inside the roots this might not be true. Beetroot and turnips are small round root vegetables and would not be comparable to sugarbeets. Perhaps consideration should be given to the correctness of these extrapolations.

An extra remark concerning extrapolation:

a) For uses close to harvest (table 3, appendix D of the Lundehn document) mandarins are considered representative for small citrus fruits and oranges are considered representative for big citrus fruits. When 8 trials are available from both mandarins and oranges, than extrapolation is possible to the whole group of citrus fruits.
b) For post harvest uses (table 6, appendix D of the Lundehn document) tropical fruits with inedible peel are divided in three groups. Avocados and/or mangos are considered representive for the whole group of "miscellaneous big fruits with inedible peel". Kiwis and/or passion fruit are considered representative for the whole group of "miscellaneous small fruits with inedible peel". Bananas are considered representive for "bananas and plantains" but not for the other fruits in the group "other miscellaneous fruits with inedible peel". Fruits with edible peel cannot be extrapolated to one another.

2.6 Classification of livestock feed

Plant protection products may be ingested or absorbed by livestock through residues in feedstuffs. If residues in crops or parts of crops fed to animals are likely, livestock feeding studies provide the data necessary to establish maximum residue levels for food of animal origin. In order to estimate the 1x dose, a theoretical feed ration must be compiled. For this purpose appendix G of the Lundehn document tabulates the maximum feed intakes for chickens, dairy cattle, beef cattle and pig. Feeds which can substitute one for another are classified in one group; a total of five different groups are formed (I – V). Some groups have been divided further, based on similar feed intakes, rather than botanical similarities. Table 4 shows which crops belong to which (sub)group. For crops within the same (sub)group, the feed intake values from the table in appendix G of the Lundehn document can be taken. Two new subgroups are introduced: cereal forage and other roots and tubers. For these subgroups, no feed intake data exist (yet), but the intake is expected to be such that they cannot be grouped in one of the existing product groups.

Table 4 Classification for livestock feed intake calculations

English	Dutch	English	Dutch
Product groups	Productgroepen	Crops	Gewassen
I: green forage (incl. hay)	I: groenvoeders en hooi		-
Ia. grasses	Ia. grassen	grass forage	gras
Ib. alfalfa/clover[a]	Ib. luzerne/klaver	- alfalfa or lucerne forage - clover or trefoil forage, - sweet lupin forage, - serradella, - spurry	- luzerne, - klaversoorten, - gele voederlupine, - serradelle, - spurrie
Ic. forage rape[b]	Ic. bladkool	leafy crops grown specially for livestock: - oilseed rape forage, - perko, - marrow-stem cabbage, - fodder radish.	alle als veevoer geteelde kool- en raapachtigen: - bladkool (jong koolzaad), - bladkool (jong raapzaad) - bladkool (mergkool) - bladramenas.
Id. kale/cabbage	Id. koolsoorten	- kale varieties - Brussels sprouts, tops/stems, - head cabbage: = red cabbage = white cabbage = Savoy cabbage = green cabbage = oxheart head cabbage - Indian mustard - Chinese cabbage	- boerenkoolsoorten - spruitkool, koppen/stengels - sluitkool: = rode kool , = witte kool , = savooienkool = groene kool, = spitskool, - amsoi, - Chinese kool.
Ie. sugar beet leaves and tops[c]	Ie. suikerbietenblad en –koppen	- sugar beet leaves and tops - turnip grown as catchcrop; turnip roots and tops or leaves	- suikerbietenblad en –koppen -stoppelknollen met loof .

English	Dutch	English	Dutch
Product groups	Productgroepen	Crops	Gewassen
If. silage (clover, grasses, vines of legumes)	If. kuilvoer	silage can be made from fresh or lightly dried material. silage from: - grass - maize forage - corn stover = maize fodder - rye forage - wheat forage - alfalfa silage/hay - clover or trefoil silage/hay - field bean forage =horse bean =pigeon bean - sunflower forage/fodder	kuilvoer kan van vers of van (licht) gedroogd materiaal gemaakt worden. kuilvoer van: - gras - snijmaïs - rest van droge korrelmaïs - snijrogge - snijtarwe - luzerne - klaversoorten - veldbonengroenvoer =paardeboon =duiveboon - zonnebloemenloof
Ig. fruit pomace (apples, citrus)	Ig. fruitpulp	- wet/dry citrus pomace - wet/dry apple pomace - wet/dry pear pomace - wet/dry grape pomace	- natte/droge citruspulp - natte/droge appelpulp - natte/droge perenpulp - natte/droge druivenpulp
Ih. hay[d]	Ih. hooi	- grass hay	- hooi van gras
Ii. cereal and bean forage[e]	Ii. snijgranen en erwten/bonenloof	- maize forage - rye forage - wheat forage - field bean forage =horse bean =pigeon bean	- snijmaïs - snijrogge - snijtarwe - veldbonengroenvoer =paardeboon =duiveboon
II: grains[f]	II: granen		-
IIa. grains except maize	IIa. granen uitgezonderd maïs	- rye grain - wheat grain - oats grain - triticale grain - barley grain - buckwheat grain - spelt grain - millet grain - sorghum grain - rice grain - canary seed	- roggekorrels, - tarwekorrels, - haverkorrels, - triticalekorrels, - gerstekorrels, - boekweitkorrels - speltkorrels - gierstkorrels - sorghumkorrels - rijstkorrels - kanariezaad
IIb. maize	IIb. maïs	- maize grain	- maïskorrels
IIc. bran (wheat and rye)	IIc. tarwe- en roggezemelen	- wheat bran - rye bran - maize bran - chaff and husks from cereals	- tarwezemelen, - roggezemelen - maïszemelen - kaf en doppen van granen
III: straws	III: stro		-
straws[g]	stro	- wheat straw - rye straw - oats hay/straw - triticale straw - barley hay/straw - grass seed hay - pea hay/pea fodder from peas (blue pea, field pea, white pea) and marrowfats (grey pea, maple pea, brown marrowfat)	- tarwestro, - roggestro, - haverstro, - triticalestro, - gerstestro, - graszaadstro - erwtenstro van erwten (ronde groene erwt, landbouwerwt, gele erwt) en kapucijners (grauwe erwt, rozijnerwt, schokker)

English	Dutch	English	Dutch
Product groups	Productgroepen	Crops	Gewassen
IV: pulses	IV: peulvruchten		-
pulses	droge peulvruchten	- dry harvested beans: = brown bean = yellow bean = speckled bean = white bean - dry field beans = horse bean = pigeon bean = small seeded broad bean - soya bean - dry harvested peas: = blue pea = field pea = white pea - marrowfats: = grey pea = maple pea = brown marrowfat - chickling vetch - lupin	- landbouwstambonen: =bruine boon, =citroen of gele boon, =kievitsboon =witte boon, - veldbonen: =paardeboon, =duiveboon, =wierboon - sojaboon - drooggeoogste erwten: =ronde groene erwt, =landbouwerwt =gele erwten, - kapucijners: =grauwe erwt, =rozijnerwt, =schokker - lathyruszaad - lupine
V: root and tubers	V: wortel- en knolgewassen		-
Va. potatoes[h]	Va. aardappels	- seed potato - starch potato - ware potato	- pootaardappels, - fabrieksaardappels, - consumptieaardappels
Vb. swede/turnip	Vb. rapen en knollen	- swede - garden turnip	- koolraap, - meiknolletjes/meirapen
Vc. sugar and fodderbeet[i]	Vc. suikerbieten en voederbieten	- sugarbeets - fodderbeets	- suikerbieten, - voederbieten
Vd other roots and tubers[j]	Vd. overige wortel- en knolgewassen	- fodder carrots - Jerusalem artichokes - roots from witloof	- voederwortelen - aardperen - afgeoogste witlofwortels
VI: oilseed	VI: oliehoudende zaden		
oil seed meal or cake[k]	perskoek	meal from: - sunflower seed - linseed (flax) - oil-seed rape or canola - rape seed - poppy seed - hemp seed - mustard seed - caraway seed - soya bean - peanut	perskoek van: - zonnebloempit - lijnzaad (vlas) - koolzaad - raapzaad - blauwmaanzaad - hennepzaad - mosterdzaad - karwijzaad - sojaboon - pinda

Remarks at table 4:

a) Alfalfa/clover. Sainfoin and vetch are listed in appendix B of the Lundehn document as fodder crops. As crop type, sainfoin, vetch and also phacelia can be grouped under

alfalfa/clover. But these crops are mainly used as green manure crops and are not or hardly used as livestock feed. These crops are therefore not listed as fodder/forage crops.

b) Forage rape. As crop type white mustard can be grouped under forage rape. But this crop is mainly used as green manure crop and is not or hardly used as livestock feed. This crop is therefore not listed as fodder/forage crops.
c) Sugarbeet leaves and tops. As crop type Swiss chard and beetroot leaves can be grouped under sugarbeet leaves and tops. But these crops are mainly used for human consumption and are not or hardly used as livestock feed. These crops are therefore not listed as fodder/forage crops. Turnips grown as catchcrop are grouped as sugarbeet leaves and tops and not as roots and tubers, because both the feed intake rate and the character of the crop fits more in green forage crops.
d) Hay. Although hay can be made from all crops mentioned under silage, hay (Ih) refers to hay of grass only. The other hay crops are grouped under silage (If).
e) Cereal forage and field bean forage. As crop type, cereal forage can be grouped under grass. As crop type, field bean forage can be grouped under alfalfa/clover. But the intake of both cereal forage and field bean forage are quite different from grass or alfalfa/clover and are more like straws. Therefore a new crop group was introduced. For feed intake calculations the following default values are proposed: percentage dry matter 20% (comparable to grass) and maximum percentages in dry weight feed 20% for dairy cattle and 50% for beef cattle (comparable to straw) and no intake for chickens and pigs.
In contrary to what is suggested in the Lundehn document, pea vines or other forage from legume vegetables are not fed to livestock.
f) Grains. Several cereal products (flour, remainders after beer production or grain milling) are used as livestock feed. These products are not listed, because intake values are not available.
g) Straws. Although botanically different, feed intake for straws from cereals, grasses and pulses is comparable. Therefore these crops are listed in the same group.
h) Potato. Although several potato remainders (peels, remainders after starch production) are used as livestock feed. These products are not listed, because intake values are not available.
i) Sugarbeet. Although several sugarbeet remains (tails, remains after sugar production) are used as livestock feed, these products are not listed, because intake values are not available. The same holds for the remains of industrial chicory roots.
j) Other roots and tubers. Jerusalem artichokes, fodder carrots and roots remaining after witloof culture are also fed to livestock. But intakes are different from the groups presented in the Lundehn document. Therefore a new group was introduced. Percentage dry matter and intake values are not available for this group.
k) Oilseed. Although several other products of oilseeds (seeds, seed trash) are used as livestock feed, these products are not listed, because intake values are not available. For the same reason, crops grown outside the EU are not listed, although remains of processing are used for livestock feed (e.g cotton seed, coconut).

In table 4, feeding of tulips, onions and products from tropical seeds and roots (e.g flour from carob and cassave) could not be grouped. Although these products are fed to livestock, no (European) intake values exist for these crops.
It is proposed to reconsider the intake values for livestock, because the list as presented in the Lundehn document is incomplete.

2.7 Classification for storage stability studies

When compiling residue data, it is essential to ensure that the residue situation of a sample remains accurately quantifiable from the time of sampling to the time of analysis. Samples should be analysed as quickly as possible after collection, before physical and chemical changes take place. In cases where it is not possible to analyse samples immediately after they have been taken, the sample material must be stored until it is analysed. In these cases the effect of the storage conditions on the stability of residues must be investigated. According to appendix H of the Lundehn document, a study should be performed on one plant or plant product from each of the following groups: predominantly water-, oil-, protein- or starch-containing materials.

The rationale behind the classification in appendix H of the Lundehn document is unknown. Storage stability is not dependent on the nutritional composition of a sample, but on enzyme activity, pH and adsorption processes in the sample. Because these conditions are different in the various crops, crops cannot be extrapolated to one another. A storage stability study should be conducted on each crop that is stored longer than one month and for which studies are evaluated in the residue assessment process. In addition, storage stability should be checked for shorter periods of time if the analyte in question is unstable.

For pesticides with wide use, classification of crops in groups for evaluation of storage stability studies can be considered. Fruits and vegetables can be classified as predominantly water containing. Classification as predominantly oil, protein or starch containing crops is connected to dry crops like tree nuts, pulses and cereals. Classification as predominantly oil, protein or starch containing is difficult if not impossible, because these nutritional components are often combined with each other [7, 8, 9]. Therefore it is proposed to use another classification for storage stability studies.

Classification will be based on the following aspects of storage stability:
a) Enzyme activity in dry crops will be lower than in water containing crops and storage stability in dry crops is expected to be better than in water containing crops.
b) Enzyme activity and analyte hydrolysis are very often pH dependent and acid containing commodities could have different storage stability than commodities with no acid.

The key words for the proposed classification are: dry, water containing, and acid containing. Because of similarity in classification for analytical method validation (see 2.8), it is proposed to use the same classification for storage stability studies as for analytical method validation. The proposed classification is discussed in 2.8.

2.8 Classification for analytical method validation

Residue analytical methods can be divided in two groups:

a) Residue analytical methods for post-registration purposes (enforcement and/or monitoring) are meant to be used by more laboratories and ideally large numbers of pesticides should be determined simultaneously in a wide range of plant and/or animal products. Guidelines for validation are presented in SANCO/825/00 [10] and SANCO/3103/2000 [11].
b) Residue analytical methods for pre-registration purposes generate residue data which are used for setting maximum residue limits (MRLs), supervised trials median residues (STMRs), highest residues (HRs), processing factors and storage stability periods. These methods are laboratory specific and only the pesticide of interest (parent and/or metabolites) is determined in a limited set of plant and/or animal products. Guidelines for validation are presented in SANCO/3029/99 [12].

In analysis, each crop has its own problems depending on the type of analyte and the applied technique. Grouping of crops is very often not possible.

For pre-registration it would be best to validate each crop of a supervised residue trial. In the pre-registration context validation data are required for “all sample matrices”, which are interpreted as all matrices that are analysed, i.e. for which supervised residue trials, processing studies, storage stability studies or feeding studies are submitted [13]. Reduced validation data for sample matrices within the same crop group (as defined for post-registration, table 5) are acceptable.

For post-registration it would be best to validate each crop which is mentioned on the pesticide product label. For pesticides with wide use, classification of crops in groups for evaluation of storage stability studies can be considered. For validation of an analytical method for post-registration (enforcement and/or monitoring), recovery data must be submitted for representative sample matrices to be analysed. For validation of methods for the determination of residues in products of plant origin, validation data are required for four crop groups, which are defined in SANCO/825/00 [10] as:

a) cereals and other dry crops (e.g. barley, wheat, rye, oats)
b) commodities with high water content (e.g. lettuce, tomatoes, cherries, strawberries)
c) commodities with high fat content (e.g. rape seed, linseed, nuts, olives, avocado)
d) fruit with high acid content (e.g. lemons, oranges, grapefruits, apples).

Specific validation data are required for commodities which are difficult to analyse (bulb vegetables, brassicas, hops, tea, herbs). Validation is only required for crop groups for which an admission is applied for.

As is indicated in chapter 2.7, the Lundehn classification for evaluation of storage stability studies does not suffice. Because of similarity in classification for analytical method validation, it is proposed to use the same classification for storage stability studies and for analytical method validation. The proposed classification for raw agricultural commodities is shown in table 5. Processed commodities have to be treated as different from the raw agricultural commodity and in many cases have to be considered as special case.

Table 5 Proposed classification for storage stability and for analytical method validation

Crop group	Code	Representatives
Dry crops with fat/oil, starch and protein	Fat	Tree nuts Oilseeds Herb seeds
Dry crops with starch and protein	Dry	Cereals Dry harvested pulses
High water content with high acid content	Acid	Citrus fruits
High water content	Water	Fruits, except citrus fruits Vegetables

For validation of analytical methods the distinction between fat or non-fat containing commodities is larger than the distinctions between the other groups.
For storage stability the distinction between dry crops and water containing crops is larger than the distinction between the other groups.

The rationale for the newly proposed classification is given below:

a) Dry crops have better storage stability than water containing crops. Because of a similar composition, cereals (group 9.1) can be extrapolated to dry harvested pulses (group 3a/b/c and 18.3). For fat or oil containing commodities, extra clean-up steps have to be conducted to remove the fat or oil, because fat or oil is a major interference in most analytical techniques. Therefore dry crops have been split up in non-fatty and fatty dry crops.
b) The distinction between non-fatty commodities with high water content or non-fatty commodities with high acid content is in many cases non-existing.
   For neutral analytes (no pK_a or pK_a between 5-9) the acidity of the sample is very often not important. Only in cases where the analyte can easily be hydrolysed and where hydrolysis depends on pH, the pH value during storage and extraction is important. There are a few examples (e.g. captan, captafol, dicofol) where acidity is needed to prevent decomposition of the analyte in question.
   For analytes with low or high pK_a values (smaller than 5 or larger than 9) or for amphoteric analytes (with more than one pK_a value), the pH value during extraction is important. For these analytes, fruits with high acid need a good buffering system.

Once the correct pH for extraction is established, the distinction between commodities with high acid or high water content is not so large any more. Citrus fruits can therefore be grouped as acid containing, but can also be considered as commodities with high water in case of neutral analytes that are not hydrolysed.

Crop groups listed in table 1 were categorised in one of these four categories; in appendix 2 a more specific categorisation is given per crop. The four categories were abbreviated as fat (for fatty dry crops), dry (for non-fatty dry crops with starch and protein), acid (for commodities with high water and high acid content), and water (for commodities with high water content). When crops cannot be classified as one of the four groups mentioned above this is indicated by "-" in table 1 and appendix 2. Crops indicated by "-" require individual tests.

For classification the following points are considered [7, 8, 9]:

a) Fruits (group 1.1 and 1.3-1.6) contain water and up to 15% carbohydrates, mostly in the form of sugars. Some fruits have higher amounts of carbohydrates: mandarins (8-25%), cherries (10-17%), grapes (16-17%), fresh dates (37%), desert dates (37%), fresh figs (17-19%), jujube, kaki (16-19%), kumquat (16%), cherimoya (24%), jackfruit (24%), mango (15-17%), pomegranate (17%), litchi (16-17%), passion fruit (19-23%), rambutan (16-17%). The presence of 15%-25% sugars in fruits could be a problem for analysis, but in practice problems are seldom encountered. Therefore fruits are classified as water. Only citrus fruits are classified as acid. In contrast to the classification in SANCO/825/00 [10], apples are not considered as crops with high acid.
   The presence of >25% sugars in fresh dates and fresh desert dates does cause problems in analysis and they are considered as special case.
b) Some fruits contain carbohydrates in the form of sugars and starch: banana (22-23%), akee apple, bread fruit, carob and plantain (31-32%). Because no analytical or storage problems are expected with starch, crops are classified as water.
c) Some fruits contain water and fat (avocado, olive, tonka bean). Avocado contains water, 9-30% fat and 6-27% carbohydrates (sugars and starch). Olives contain water and 13% fat (green) or 36% fat (black). In contrast to the classification in SANCO/825/00 [10], olives and avocados are not considered representative for fatty dry crops like oilseeds or tree nuts. Because of the presence of fat in combination with high water content, these fruits are considered as special case.
d) Cranberries are very difficult to analyse because of the large number of interfering compounds and require individual tests.
e) Tree nuts (group 1.2) contain fat (40-66%), protein (14-19%) and carbohydrates (5%-25%) and are classified as fat. The composition of coconut flesh and chestnuts is quite different. Coconut flesh contains water (47%) and fat (40%) and is classified as special case. Fresh chestnuts contain 40-60% water and 30-50% carbohydrates (sugars and starch) and only 1-3% fat and 3-7% protein. Because no analytical or storage problems are expected with starch, chestnuts are classified as water.

f) Root and tuber vegetables (group 2.1a) contain water and up to 10% carbohydrates (sugars and starch). Some root and tuber vegetables contain higher amounts of carbohydrates: Jerusalem artichoke (17%), parsnip (18%), salsify varieties (15%-19%), and skirret. Because no analytical or storage problems are expected with these crops, root and tuber vegetables are classified as water.
   Roots and tubers for livestock feed (group 18.2) contain similar amounts of carbohydrates and are classified as water.
   Horse radish and parsley root are very difficult to analyse because of the large number of interfering compounds. These crops require individual tests.
g) Potatoes (group 5) and tropical roots and tubers (group 2.1b) contain up to 20% carbohydrates (mostly starch). Some tropical roots and tubers (group 2.1b) contain higher amounts of carbohydrates: sweet potatoes (32%), taro (26%), yautia (31%). Because no analytical or storage problems are expected with starch, these crops are classified as water.
h) Roots for sugar production (group 23) contain water and 18% carbohydrates (mostly sugars) and give problems in analysis. These crops are considered as special case.
i) Dry harvested bulb vegetables contain water and carbohydrates. Bulb onions and shallots contain 90% water and 7-10% carbohydrates (fibers and sugars) and are classified as water. Garlic contains 59% water, 6% protein and 33% carbohydrates (starch, sugars, fibers). Because of analytical problems, garlic is considered as special case.
j) Some fruiting vegetables (ground cherry, okra, melon varieties, winter squash) contain water and 8-11% carbohydrates (sugars). Sweet corn contains water and 20% carbohydrates (as sugars and starch). Because no analytical or storage problems are expected with these crops, fruiting vegetables are classified as water.
   Hot peppers (red peppers, chili peppers, cayenne peppers) are very difficult to analyse because of the large number of interfering compounds and require individual tests.
k) Some brassica vegetables (kale varieties), some legume vegetables (peas without pods), some stem vegetables (globe artichokes, fennel bulb and leeks) contain water and 4-14% carbohydrates (sugar or sugar and starch). Because no analytical or storage problems are expected, these crops are classified as water.
l) Pulses (group 3a/b/c) contain water (11%), protein (20-25%) and carbohydrates (43%, starch). Dry harvested pulses for livestock feed (group 18.3) have a similar composition. Pulses are classified as dry. Straw from pulses is a dry crop, but without protein or starch. Straw behaves different in analysis and is considered as special case.
m) Oilseeds (group 4.1) contain fat (30-56%), protein (20-35%) and carbohydrates (13-23%) and are classified as fat. Soya bean (group 4.1) has a very different composition: water (8%), fat (16-18%), protein (34-35%), and carbohydrates (35-36%). Because of the high fat content, soyabean is classified as fat as well.
n) Spices (group 8a/b/c), tea (group 6), hops (group 7) are dry products without oil, protein or starch. Because these products are very difficult to analyse, they are considered as special case.

o) Herbs are in general very difficult to analyse. When fresh herb leaves or flowers are considered (group 2.5e/8b/19b/20b) they can be classified as water. Dry harvested herb seeds (group 8c, 19c, 20c) contain (etheric) oil and are classified as fat. Fresh herb fruits (group 8c, 19c, 20c) are classified as water. Fresh roots from herbs (group 8a, 19a, 20a) are very difficult to analyse because of the large number of interfering compounds. These crops require individual tests. Dry traded herbs (roots/leaves/flowers/fruits), except herb seeds are considered as special case.
p) Cereal grains (group 9.1 and 18.4) contain water (12-13%), protein (8-17%) and carbohydrates (66-78%, starch). Cereals are classified as dry. Straw from cereals is a dry crop, but without protein or starch. Straw behaves different in analysis and is considered as special case. Cereal forage is classified as water.
q) Tropical seeds (cocoa beans, coffee beans) are very difficult to analyse and need a validation on its own. Cocoa beans (group 10.1) contain fat (20%), protein (17%) and carbohydrates (16%).
r) Sugar cane (group 11b) contains sugar (amount unknown), which causes problems during analysis. Sugar cane is considered as special case.
s) Tobacco is very difficult to analyse because of the large number of interfering compounds and requires individual tests.

Further for some analytical techniques certain crops need a validation of there own:
a) The presence of sulfur compounds in Brassica and Allium species can cause problems in GC-ECD or GC-FPD (S-mode) and for dithiocarbamates with UV analysis. Problems with other analytical techniques are not expected, in contrast to what is suggested in SANCO/825/00 [10]. The problems are associated with the detection technique, where sulfur compounds cause high backgrounds and/or interfering peaks. In case of GC-ECD, GC-FPD (S-mode), or dithiocarbamates on UV, the following commodities need a validation on their own: brassica vegetables (group 2.4 a/b/c/d), turnip tops, bulb vegetables (group 2.2a/b), leeks, chives, forage rape (group 18.1d), turnips grown as catchcrop.
b) Coloured vegetables like carrots, tomatoes, sweet peppers, red cabbage, beetroot and all green vegetables can cause problems in HPLC-UV or HPLC-DAD analysis. Chlorophyll and other plant pigments can cause UV absorption or light scattering in subsequent samples. In addition, the presence of chlorophyll can cause contamination of the injection system or the column in GC-analysis. An SPE clean-up step is needed to remove these plant pigments prior to analysis. In case of HPLC-UV or HPLC-DAD without clean-up system, the following commodities need a validation on their own: carrots, beetroot, green bulb vegetables (group 2.2b), fruiting vegetables (group 2.3a/b/c), red cabbage, green brassica vegetables (group 2.4a/b/c), green leafy vegetables and fresh herbs (group 2.5a/b/c/e), legume vegetables (group 2.6a/b/c/d), green stem vegetables (group 2.7), green forage (group 18.1). For GC without clean-up system, only the green commodities need a validation.

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7028/VI/95 rev. 3	22/07/1997	Appendix A
7029/VI/95 rev. 5	22/07/1997	Appendix B
7524/VI/95 rev. 2	22/07/1997	Appendix C
7525/VI/95 rev. 7	12/06/2001	Appendix D
7035/VI/95 rev. 5	22/07/1997	Appendix E
7030/VI/95 rev. 3	22/07/1997	Appendix F
7031/VI/95 rev. 4	22/07/1997	Appendix G
7032/VI/95 rev. 5	22/07/1997	Appendix H
7039/VI/95 EN	22/07/1997	Appendix I

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Appendix 1 Mailing list

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58-62 Bureau Rapportenbeheer.
63-82 Reserve-exemplaren.

Appendix 2 Classification of crops grown in or imported into the European Union

In the following table crops grown in or imported into the EU countries are listed with their Latin, Dutch and English name. Crops were listed by order of group number and within each group by alphabetical order according to the English name. Data came from references 1, 5, 6, 8, 9, 14-26. The codes in the table are defined as follows:

Nr. and product (sub)group according to table 1.

Use: HC = human consumption, LF = livestock feed, M = medicinal herb; HT = herb tea; NF = non food, G = green manure, SP = seed production of grasses (remainders are fed to livestock).

M: classification for metabolism studies
F = fruits, L= leafy crops, R = roots and tubers, C = cereals, P/O = pulses/oilseeds, - = not applicable (non-food/feed crops)

RC: classification for rotational crop studies
F = fruits, L= leafy crops, R = roots and tubers, C = cereals, P/O = pulses/oilseeds, - = not used as rotational crop in **field** cultivation. The small capitals represent the growing period of that crop type: s = short, n = normal, l = long (see table 3).

LF: classification for livestock feed, codes I-VI correspond to table 4.
– = no plant part is used for livestock feed.

SS: classification for storage stability studies.
fat = fatty dry crops, dry = non-fatty dry crops with starch and protein, acid = commodities with high water and high acid content, water = commodities with high water content, – = classification impossible, should be considered as special case

AM: classification for analytical method validation
fat = fatty dry crops, dry = non-fatty dry crops with starch and protein, acid = commodities with high water and high acid content, water = commodities with high water content, – = classification impossible, should be considered as special case

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
1.1	a. big citrus fruit	Citrus paradisi Macf (hybrid shaddock x sweet orange)	grapefruit	grapefruit (rood = roze, geel = wit)	HC	F	-	Ig	acid	acid
1.1	a. big citrus fruit	Citrus sinensis Osbeck, syn. Citrus aurantium sinensis L.; Citrus aurantium var. bergamia; Citrus aurantium var. aurantium; Citrus aurantium var. myrtifolia	orange(sweet orange; bitter orange = sour orange; blood orange = Malta orange; navel orange; bergamot = bergamot pear; bigarade = Seville orange; chinotto = myrtle-leaf orange)	sinaasappel (zoete sinaasappel, bittersinaasappel, bloedsinaasappel, navelsinaasappel, bergamot = bergamotcitroen, pomerans, chinotto)	HC	F	-	Ig	acid	acid
1.1	a. big citrus fruit	Citrus grandis (L.) Osbeck, syn Citrus maxima (Berm.) Merr.	pomelo; shaddock; pummelo	pomelo; pompelmoes; djeroek matjan; djeroek besar	HC	F	-	Ig	acid	acid
1.1	a. big citrus fruit	Citrus grandis x	sweetie	sweetie	HC	F	-	Ig	acid	acid

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
		Citrus paradisi								
1.1	a. big citrus fruit	Citrus paradisi x Citrus reticulata (hybrid grapefruit x mandarin)	tangelo	tangelo (mineola; seminole; orlando)	HC	F	-	Ig	acid	acid
1.1	a. big citrus fruit	Citrus nobilis var. deliciosa x Citrus paradisi?; Citrus reticulata x Citrus paradisi?	ugli; ugli fruit	ugli	HC	F	-	Ig	acid	acid
1.1	a. small citrus fruit	Citrus nobilis Lour. (hybrid mandarin x sweet orange)	king mandarine; tangor	tempel	HC	F	-	Ig	acid	acid
1.1	b. small citrus fruit	Citrus limon (L.) Burm. f.; Citrus medica L.	lemon; citron	citroen = djeroek; cederappel = cedraat = sukadecitroen	HC	F	-	Ig	acid	acid
1.1	b. small citrus fruit	Citrus aurantifolia Swingle	lime; sweet lime	limoen = lemoen = lemmetje (djeroek nipis; djeroek petjel, djeroek limo, djeroek sambal); dwerglimoen = limquat 3-6 cm	HC	F	-	Ig	acid	acid
1.1	b. small citrus fruit	Citrus reticulata blanco; Citrus reticulata var. unshiu; Citrus deliciosa Ten; Citrus tangarina Hort. Ex. Tan	mandarin; clementine; satsuma; tangerine = Mediterranean mandarin = willowleaf mandarin	mandarijn; clementine; satsuma = satsumi; tangerine 4-10 cm	HC	F	-	Ig	acid	acid
1.1	b. small citrus fruit	(hybrid tangerine x orange)	topaz	topaz	HC	F	-	Ig	acid	acid
1.2	tree nuts	Prunus dulcis (mill.) D.A. Webb; syn. Prunus amygdalus Batch	almond	amandel	HC	F	-	-	fat	fat
1.2	tree nuts	Bertholletia excelsa Humb. & Bonpl.	Brazil nut; para nut	paranoot	HC	F	-	-	fat	fat
1.2	tree nuts	Anacardium occidentale L.	cashew nut	cashewnoot	HC	F	-	-	fat	fat
1.2	tree nuts	Castanea sativa Mill.	chestnut; sweet chestnut; Spanish chestnut; eating chestnut; edible chestnut	kastanje; tamme kastanje	HC	F	-	-	water	water
1.2	tree nuts	Cocos nucifera L.	coconut	kokosnoot; klapper; kalapa	HC	F	-	-	-	-
1.2	tree nuts	Corylus maxima Mill.	filbert	lambertsnoot	HC	F	-	-	fat	fat
1.2	tree nuts	Ginkgo biloba	ginkgo nut	ginkgonoot; Japanse notenboom	HC	F	-	-	fat	fat
1.2	tree nuts	Corylus avellana L.	hazelnut	hazelnoot; hazelaar	HC	F	-	-	fat	fat
1.2	tree nuts	Macadamia ternifolia F. Muell; Macadamia integrifolia	macadamia nut; Queensland nut; bush nut	macadamianoot; Queenslandnoot	HC	F	-	-	fat	fat
1.2	tree nuts	Carya illinoensis (Wangh) K. Koch	pecan; pecan nut	pecannoot; pecan	HC	F	-	-	fat	fat
1.2	tree nuts	Pinus pinea L.	pine nut; pine cone; pignolia; pignoli; pinocchi; pinon nut	pijnboompit; pijnappel	HC	F	-	-	fat	fat
1.2	tree nuts	Pistachia vera L.	pistachio; pistachio nut	pistache; pistachenoot; pistachekern; pimpernoot	HC	F	-	-	fat	fat
1.2	tree nuts	Juglans regia L.	walnut; English walnut; Persian walnut	walnoot; okkernoot	HC	F	-	-	fat	fat
1.3	pome fruit	Malus domesticus Borkhausen	apple	appel (handappel, moesappel, stoofappel = zoete appel)	HC	F	-	Ig	water	water

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1.3	pome fruit	Malus sylvestris	apple; crab apple	appel; wilde appel	HC	F	-	-	water	water
1.3	pome fruit	Aronia melanocarpa (MICHX.) EL	black chokeberry; appleberry	zwarte appelbes; aronia	HC	F	-	-	water	water
1.3	pome fruit	Eriobotrya japonica	loquat; Japanese medlar	loquat; Japanse mispel; Japanse wolmispel; neffel 3-8x2-5 cm	HC	F	-	-	water	water
1.3	pome fruit	Mespilus germanica	medlar	mispel	HC	F	-	-	water	water
1.3	pome fruit	Pyrus pyrifolia Nakai syn. Pyrus serotina Rehder	oriental pear; Nashi pear; sand pear	Japanse peer; nashipeer; nashipear; Aziatische peer	HC	F	-	-	water	water
1.3	pome fruit	Pyrus communis L.	pear (eating pear; cooking pear)	peer (handpeer; stoofpeer)	HC	F	-	Ig	water	water
1.3	pome fruit	Cydonia oblonga P. Miller	quince	kwee; kweepeer	HC	F	-	-	water	water
1.3	pome fruit	Sorbus aucuparia L. var. Edulis	mountainash	eetbare lijsterbes	HC	F	-	-	water	water
1.4	stone fruit	Prunus armenica L.	apricot	abrikoos	HC	F	-	-	water	water
1.4	stone fruit	Prunus cerasus L.; Prunus avium L.	cherry (sour cherry; sweet cherry)	kers (zure kers = morel; zoete kers = kriek)	HC	F	-	-	water	water
1.4	stone fruit	Cornus mas L.	cornel cherry	gele kornoelje	HC	F	-	-	water	water
1.4	stone fruit	Prunus persica (L.) Batsch; Prunus persica L. var. persica; Prunus persica (l.) Batsch var. nectarina	peach; nectarine	perzik; nectarine	HC	F	-	-	water	water
1.4	stone fruit	Prunus domestica L.; Prunus cerasifera (PRNCF) or Ehrh; Prunus domestica L. ssp. domestica = P. communis = P. damascena = P oekonomica =P pyramidalis; Prunus domestica ssp. Italica; Prunus triflora Roxb., syn Prunus salicina Lindley; Prunus insititia L. var. syriaca syn Prunus domestica L. ssp. syriaca	plum (cherry plum = myrobolan plum; damson plum = bullace; greengage plum; Japanese plum; mirabelle plum)	pruim (kerspruim = myrobalaan; kwets = kroosje = kroosjespruim; Reine Claude; Japanse pruim; mirabel)	HC	F	-	-	water	water
1.5	a. table and wine grapes	Vitis vinifera L.	grapes; table grapes	druif; tafeldruiven (blauw, wit)	HC	F	-	Ig	water	water
1.5	a. table and wine grapes	Vitis vinifera L.	grapes; wine grapes	druif; wijndruiven (blauw, wit)	HC	F	-	Ig	water	water
1.5	b. strawberries (other than wild)	Fragaria x ananassa (Duch) Guedes	strawberry	aardbei	HC	F	F, l	-	water	water
1.5	c. cane fruit (other than wild)	Rubus fruticosus L.	blackberry	braam	HC	F	-	-	water	water
1.5	c. cane fruit (other than wild)	Rubus loganobaccus syn. Rubus ursinus var. loganobaccus B.	boysenberry	boysenbes	HC	F	-	-	water	water
1.5	c. cane fruit (other than wild)	Rubus caesius L.	dewberry	dauwbraam	HC	F	-	-	water	water
1.5	c. cane fruit (other than wild)	Rubus loganobaccus	loganberry	loganbes	HC	F	-	-	water	water
1.5	c. cane fruit (other than wild)	Morus L. species	mulberry	moerbei	HC	F	-	-	water	water
1.5	c. cane fruit (other than wild)	Rubus idaeus L.	raspberry	framboos	HC	F	-	-	water	water
1.5	d. other small fruit and berries (other	Crataegus azarolus	azarole	azarole; Middellandse zeemispel	HC	F	-	-	water	water

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	than wild)									
1.5	d. other small fruit and berries (other than wild)	Vaccinium myrtillus L.	bilberry; whortleberry	bosbes; blauwe bosbes	HC	F	-	-	water	water
1.5	d. other small fruit and berries (other than wild)	Vaccinium corymbosum L.	blueberry; swamp blueberry; highbush blueberry	blauwe bes; trosbosbes	HC	F	-	-	water	water
1.5	d. other small fruit and berries (other than wild)	Hippophae rahmnoides L.	buckthorn; sea sallowthorn	duindoorn	HC	F	-	-	water	water
1.5	d. other small fruit and berries (other than wild)	Vaccinium macrocarpon Ait.; Vaccinium oxycoccus	cranberry	veenbes; cranberry	HC	F	-	-	-	-
1.5	d. other small fruit and berries (other than wild)	Ribes nigrum L.; Ribes rubrum L.= Ribes sativum = Ribes vulgare	currant (black currant; red currant; white currant)	aalbes; (zwarte aalbes = zwarte bes; rode aalbes = rode bes; witte aalbes = witte bes)	HC	F	-	-	water	water
1.5	d. other small fruit and berries (other than wild)	Sambucus nigra	elderberry	vlierbes; gewone vlier	HC	F	-	-	water	water
1.5	d. other small fruit and berries (other than wild)	Ribes uva-crispa L. syn. Ribes grossularia L.	gooseberry	kruisbes	HC	F	-	-	water	water
1.5	d. other small fruit and berries (other than wild)	Crataegus oxyacantha L.; Crataegus laevigata; Crataegus monogyna JACQ. Em. LINDM	hawthorn (midland hawthorn; single-seed hawthorn)	meidoorn (tweestijlige meidoorn = haagdoorn = witte doorn; eenstijlige meidoorn = witte meidoorn)	HC	F	-	-	water	water
1.5	d. other small fruit and berries (other than wild)	Ribes nigrum x uva-crispa	jochel berry	jochelbes	HC	F	-	-	water	water
1.5	d. other small fruit and berries (other than wild)	Ribes nigrum x divaricatum	josta berry	jostabes	HC	F	-	-	water	water
1.5	d. other small fruit and berries (other than wild)	Rosa canina	rose hip	rozebottel	HC	F	-	-	water	water
1.5	d. other small fruit and berries (other than wild)	Sorbus domestica	service berry	peerlijsterbes	HC	F	-	-	water	water
1.5	e. wild berries and wild fruit	Vaccinium myrtillus	wild bilberry; wild whortleberry	wilde bosbes	HC	F	-	-	water	water
1.5	e. wild berries and wild fruit	Rubus fruticosus	wild blackberry	wilde braam	HC	F	-	-	water	water
1.5	e. wild berries and wild fruit	Rubus chamaemorus L.	wild cloudberry	wild cloudberry	HC	F	-	-	water	water
1.5	e. wild berries and wild fruit	Vaccinium vitisidaea	wild cowberry; wild red bilberry; wild red wortleberry	wilde vossebes; wilde rode bosbes	HC	F	-	-	water	water
1.5	e. wild berries and wild fruit	Rubus idaeus	wild raspberry	wilde framboos	HC	F	-	-	water	water
1.5	e. wild berries and wild fruit	Fragaria vesca L.	wild strawberry	aardbei; bosaardbei	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Malpiighia punicifolia L., syn Malphiighia glabra L.; Malpiighia uniflora	acerola; barbados cherry;	acerola; azerola; West-Indische kers; barbadoskers 2x2.5 cm	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Spondias dulcis; Spondias cytherea	ambarella; golden apple; otaheite apple	ambarella; kendongong; tahiti-appel 5-9cm x 3.5-7 cm	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Arbutus unedo L.	arbutus berry; tree strawberry	boomaardbei	HC	F	-	-	water	water
1.6	a. miscellaneous	Averrhoa bilimbi L.	carambola; bilimbi;	bilimbi; blimbing;	HC	F	-	-	water	water

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
	fruit with edible peel		cucumber treefruit	zure blimbing; blimbing asem; blimbing woeloeh 10x3.5 cm						
1.6	a. miscellaneous fruit with edible peel	Averrhoa carambola L.	carambola; star fruit	carambola; stervrucht; zoete vijfhoek; blimbing manis 15x9 cm	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Carissa carandas L.	caranda; caranda plum	caranda	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Ceratonia siliqua L.	carob; St. John's bread; locust tree	carobe; Johannesbrood	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Anacardium occidentale L.	cashew apple	cashewappel 5-10 cm	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Chrysobalanus icaco L.	coco plum; icaco plum	ikakopruim	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Phoenix dactylifera L.	date	dadel -2.5x7.5 cm	HC	F	-	-	-	-
1.6	a. miscellaneous fruit with edible peel	Balanites aegyptiaca (L.)	desert date	woestijndadel	HC	F	-	-	-	-
1.6	a. miscellaneous fruit with edible peel	Ficus carica L.	fig	vijg (groen, paars, zwart)	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Spondias mombin L.	hog plum; yellow mombin	gele mombinpruim 4x3 cm	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Myrciaria cauliflora (Mart.) O	jaboticaba	jaboticaba 1.5-4 cm	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Syzygium cumini	jambolan; Java plum	jambolan; djamblang 1.5-5 cm	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Syzygium aqueum (Burm f.) Alston, syn Eugenia javanica Lam.	Java apple; water apple; rose apple; water rose; jambos	djamboe aer; djamboe ajer; pommerak -6x4.5 cm	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Ziziphus jujuba; Ziziphus mauritiana Lam.	jujube; (Chinese jujube = Chinese date; Indian jujube=Indian plum)	jujube, jujula (Chinese dadel; Indiase jujube) 4x6cm	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Diospyros kaki	kaki; kaki fruit; kaki plum; sharon fruit; Japanese persimmon; Chinese persimmon; Oriental persimmon	kaki; sharon; sharonfruit; persimoen; persimmon 8cm	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Fortunella japonica (Thunb.) Swingle; Fortunella margarita (Lour.) Swingle	kumquat (Marumi kumquat; Nagami kumquat = oval kumquat)	kumquat; (Marumi-kumquat = ronde kumquat = Japanse kumquat; Nagami kumquat = ovale kumquat) 2.5-4.5 x 2-3 cm	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Syzygium malaccensis; Syzygium malacca (L.) Merr.&Perry, syn Eugenia malaccensis L.	Malay pomarrosa; pomerac; Malay apple	Maleisische rozenappel; Maleisische wasappel; djamboe bol 5-10 x 2.5-7.5 cm	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Carissa macrocarpa (ECKL.) A.DC.; Carissa grandiflora	natal plum	natal pruim	HC	F	-	-	water	water
1.6	a. miscellaneous	Olea europaea L	olives; olives for	olijf; olijven voor	HC	F	-	-	-	-

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
	fruit with edible peel	spp europea	extraction of oil (green; black)	olie-extractie (groen, zwart)						
1.6	a. miscellaneous fruit with edible peel	Olea europaea L spp europea	olives; table olives (green; black)	olijf; tafelolijven (groen, zwart)	HC	F	-	-	-	-
1.6	a. miscellaneous fruit with edible peel	Phyllanthus acidus (L.) Skeels, syn Cicca disticha L.	otaheite gooseberry; Indian gooseberry	grosella; tjerme 2x2.7 cm	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Eugenia uniflora L. syn Eugenia michelii Lamk; Eugenia dombeyana DC.	pitanga; Surinam cherry; Brasilian cherry = grumichama	pitanga; cayennekers; Surinaamse kers 2x3 cm	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Syzygium jambos (L.) syn Eugenia jambos L.	pomarrosa; rose apple	rozenappel; djamboe aer mawar 4-5 cm	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Coccoloba uvifera (L.) Jacq.	sea grape	stranddruif; zeedruif -2 cm	HC	F	-	-	water	water
1.6	a. miscellaneous fruit with edible peel	Cyphomandra betacea (Cav.) Sendtn.	tree tomato; tamarillo	boomtomaat; tamarillo -10x5 cm	HC	F	-	-	water	water
1.6	b. miscellaneous big fruit with inedible peel	Persea americana Mill.	avocado; avocado pear	avocado (groen, zwart, Fuerte, Hass, Ettinger) -15 x -30 cm	HC	F	-	-	-	-
1.6	b. miscellaneous big fruit with inedible peel	Carica pentagona	babaco; mountain papaya	babaco; babacovrucht; babao 12x 20-30 cm	HC	F	-	-	water	water
1.6	b. miscellaneous big fruit with inedible peel	Artocarpus altilis syn. Artocarpus communis; Artocarpus incisus	breadfruit	broodvrucht -30 cm	HC	F	-	-	water	water
1.6	b. miscellaneous big fruit with inedible peel	Annona cherimola	cherimoya	cherimoya 20 cm	HC	F	-	-	water	water
1.6	b. miscellaneous big fruit with inedible peel	Annona reticulata L.	custard apple; bullock's heart	custardappel; ossenhart 8-16 x 8-13 cm	HC	F	-	-	water	water
1.6	b. miscellaneous big fruit with inedible peel	Durio zibethinus Murr.	durian; doorian	doerian 15-30 cm	HC	F	-	-	water	water
1.6	b. miscellaneous big fruit with inedible peel	Annona diversifolia SAFF.	ilama	ilama	HC	F	-	-	water	water
1.6	b. miscellaneous big fruit with inedible peel	Artocarpus heterophyllus, syn Artocarpus integrifolius	jackfruit; jak	nangka; jackfruit 30-100 x 50 cm	HC	F	-	-	water	water
1.6	b. miscellaneous big fruit with inedible peel	Mammea americana	mammey; mammee apple	mammi-appel; Amerikaanse mammi-appel 20 cm	HC	F	-	-	water	water
1.6	b. miscellaneous big fruit with inedible peel	Mangifera indica L.	mango; Indian mango	mango = mangga = manga 10-40 cm	HC	F	-	-	water	water
1.6	b. miscellaneous big fruit with inedible peel	Genipa americana L.	marmaladedos; genip; genipap	genipa - 18x8 cm	HC	F	-	-	water	water
1.6	b. miscellaneous big fruit with inedible peel	Carica papaya	papaya; papaw; paw-paw	papaja -50x30 cm	HC	F	-	-	water	water
1.6	b. miscellaneous big fruit with inedible peel	Ananas comosus (L.) Merr.	pineapple	ananas (cayenneananas, babyananas, groene ananas) - 25x15 cm	HC	F	-	-	water	water
1.6	b. miscellaneous big fruit with inedible peel	Punica granatum L.	pomegranate	granaatappel 6-12 cm	HC	F	-	-	water	water
1.6	b. miscellaneous big	Pouteria viridis	sapote; green	zapote; groene zapote	HC	F	-	-	water	water

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	fruit with inedible peel	(PITT.) CRONQ.	sapote	7-20 cm						
1.6	b. miscellaneous big fruit with inedible peel	Pouteria sapota (Jacq.); Calocarpum sapota (Jacq.) Merr.	sapote; mammey sapote	zapote; grote zapote; mamey zapote; 20x8 cm	HC	F	-	-	water	water
1.6	b. miscellaneous big fruit with inedible peel	Annona muricata	soursop; guanabana	zuurzak; doerian blanda 35x20cm	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Blighia sapida Koenig	akee; akee apple; sesso vegetal	akee; aki; akipruim -13 cm	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Diospyros virginiana	American persimmon	Noord-Amerikaanse persimoen	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Pouteria campechiana (H.B.K.) BAEHNI	canistel; yellow sapote; egg fruit	canistel 5-10 cm	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Feronia limonia (L.) Swingle, syn. Limonia acidissima, syn Feronia elephantum Correa	elephant apple; wood apple; Indian wood apple	olifantsappel; houtappel; kawista - 10 cm	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Feijoa sellowiana	feijoa; pineapple guava	feijoa	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Psidium guajava	guava	guave; goejave; goyave; djamboe kloetoek -4-12 cm	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Actinidia deliciosa; Actinidia chinensis PLANCK.	kiwi; kiwifruit; Chinese gooseberry; strawberry peach (green, gold kiwifruit)	kiwi; Chinese kruisbes (groen en goud = Zespri)	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Litchi chinensis Sonn., syn Nephelium litchi Cambes	litchi; lychee	lychee; litchi 2.5-4 cm	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Euphoria longana; Dimocarpus longan	longan	longan 3 cm	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Garcinia mangostana	mangosteen; mangostan	mangistan; mangostan; manggis 5-8 cm	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Solanum quitoense	naranjilla; Quito orange; lulo	lulo; quito-tomaat; gele terong -6.5 cm	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Passiflora edulis SIMS	passion fruit; purple granadilla	passievrucht, granadilla (geel, paars, geel-groen, maracuja=maracuya; curuba, markoesa = markisa =reuzenpassievrucht) -8x10 cm	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Opuntia ficus-indica	prickly pear; cactus fruit; Indian fig	woestijnvijg = cactusvrucht = cactusvijg = sabra; pitahaya (rood, geel) 5-10 x -6 cm	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Nephelium lappaceum; Nephelium mutabile Blume, syn. Nephelium ramboutan-ake (Labill.) Leenh.	rambutan = hairy litchi; pulasan	ramboetan; kapulasan = pulasan 7x5cm	HC	F	-	-	water	water
1.6	c. miscellaneous	Manilkara zapota	sapodilla; sapodille;	sapote; sapodilla;	HC	F	-	-	water	water

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	small fruit with inedible peel	syn. Achras zapota L.	sapota; naseberry; chiku	sapodillapruim; sawo; papappel 5-10 x 4-6 cm						
1.6	c. miscellaneous small fruit with inedible peel	Diospyros digyna JACQ.; Diospyros ebenaster	sapote; black sapote; black persimmon	zapote; zwarte zapote -10x13 cm	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Casimiroa edulis Llave ex Lex.	sapote; white sapote	zapote; witte zapote; casimiroa 12x11 cm	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Sandoricum koetjape (BURM.f.) MERR	sentul; santol; kechapi	santol; ketjapi 7x8 cm	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Melicoccus bijugatus JACQ.; Melicocca bijuga	Spanish lime	quenepas	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Chrysophyllum cainito L.	star apple	sterappel; cainito; sawo doeren -10cm	HC	F	-	-	water	water
1.6	c. miscellaneous small fruit with inedible peel	Annona squamosa	sugar apple; sweet sop	suikerappel; zoetzak; kaneelappel 5-10 cm	HC	F	-	-	water	water
1.6	d. other miscellaneous fruit with inedible peel	Musa x paradisica L.; Musa acuminata Colla; Musa balbisiana	banana; dwarf banana	banaan = pisang = fruitbanaan = dessertbanaan; dwergbanaan = rijstbanaan = pisang susu; appelbanaan; golden banana = pisang mas; rode banaan 6-35x2.5-5 cm	HC	F	-	-	water	water
1.6	d. other miscellaneous fruit with inedible peel	Hyphaena thebaica (L.) MART.	dum palm; doum; gingerbread palm	dum palm; gingerbread palm	HC	F	-	-	water	water
1.6	d. other miscellaneous fruit with inedible peel	Musa x paradisica L.; Musa acuminata Colla; Musa balbisiana	plantain; cooking banana	bakbanaan 6-35x2.5-5cm	HC	F	-	-	water	water
1.6	d. other miscellaneous fruit with inedible peel	Dipteriyx odorata (AUBL.) WILLD.	tonka bean	tonkaboon	HC	F	-	-	-	-
2.1	a. root and tuber vegetables	Beta vulgaris L. var conditiva	beetroot; garden beet; red beet	rode biet; kroot (rood, oranje)	HC	R	R, n	-	water	water
2.1	a. root and tuber vegetables	Daucus carota L.	carrot	wortel; peen (bospeen, waspeen, winterpeen; Parijse worteltjes)	HC	R	R, n	-	water	water
2.1	a. root and tuber vegetables	Apium graveolens L. var. rapaceum (Mill.) Gaudin	celeriac	knolselderij	HC	R	R, n	-	water	water
2.1	a. root and tuber vegetables	Armoracia rusticana (Geartn.) M. et Sch.	horse radish	mierikswortel; peperwortel; mierik	HC	R	-	-	-	-
2.1	a. root and tuber vegetables	Stachys sieboldii	Japanese artichoke; Chinese artichoke	crosne; Japanse andoorn; Japanse aardappel	HC	R	-	-	water	water
2.1	a. root and tuber vegetables	Helianthus tuberosus L.	Jerusalem artichoke; topinambur	aardpeer; topinamboer; Jeruzalem artisjok	HC/LF	R	-	Vd	water	water
2.1	a. root and tuber vegetables	Petroselinum crispum (Mill.) Nyman ex. A.W. Hill; Petroselinum crispum var. tuberosum	parsley root; rooted parsley	wortelpeterselie; petersiewortel	HC	R	-	-	-	-
2.1	a. root and tuber vegetables	Pastinaca sativa L.	parsnip	pastinaak; pastinaakwortel; pinksternakel	HC	R	-	-	water	water
2.1	a. root and tuber vegetables	Raphanus sativus L. subvar radicola Pers., syn.	radish (turnip shaped or long varieties)	radijs (rood, rood-wit, wit, ronde of langwerpige	HC	R	R, s	-	water	water

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
		Raphanus sativus L. var. sativus		varieteiten; ijspegel)						
2.1	a. root and tuber vegetables	Raphanus sativus L. var. niger	radish; black radish (oblong or round roots)	ramenas; zwarte ramenas; zwarte winterramenas (ronde of lange varieteiten)	HC	R	-	-	water	water
2.1	a. root and tuber vegetables	Raphanus sativus L. var. longipinnatus Bailey; Raphanus sativus L. var. acantiformis	radish; Japanese radish; daikon	daikon	HC	R	-	-	water	water
2.1	a. root and tuber vegetables	Raphanus L. sp	radish; white variety of black radish	rettich; witte ramenas; witte zomerramenas	HC	R	-	-	water	water
2.1	a. root and tuber vegetables	Tragopodon porrifolius L.	salsify	schorseneer; witte schorseneer; paarse of blauwe morgenster; haverwortel	HC	R	R, n	-	water	water
2.1	a. root and tuber vegetables	Scorzonera hispanica	salsify; black salsify; scorzonera	schorseneer; zwarte schorseneer	HC	R	R, n	-	water	water
2.1	a. root and tuber vegetables	Scolymus hispanicus L.	salsify; Spanish salsify; Spanish oysterplant	schorseneer; Spaanse schorseneer; wilde schorseneer; oesterplant	HC	R	-	-	water	water
2.1	a. root and tuber vegetables	Sium sisarum	skirret	suikerwortel	HC	R	-	-	water	water
2.1	a. root and tuber vegetables	Brassica napus L. var. napobrassica (L.) Reichenbach	swede; swedish turnip; rutabaga	koolraap	HC/LF	R	R, n	Vb	water	water
2.1	a. root and tuber vegetables	Brassica rapa L. spp. rapa	turnip; garden turnip	raap; meiknol; meiraap; consumptieraap; consumptieknol; knolraap; navetknol; vertusknol	HC/LF	R	R, s	Vb	water	water
2.1	b. tropical roots and tubers	Maranta arundinacea (L.)	arrowroot, maranta indica	arrowroot; pijlwortel	HC	R	-	-	water	water
2.1	b. tropical roots and tubers	Manihot esculenta Crantz	cassava; manioc, tapioca plant (bitter; sweet)	cassave; maniok; tapioca (bitter, zoet)	HC	R	-	-	water	water
2.1	b. tropical roots and tubers	Colocasia esculenta (L.) Schott var. esculentus; Colocasia esculenta (L.) var antiquorum	dasheen = taro; eddoe = Japanese taro	taro; eddo=eddoe	HC	R	-	-	water	water
2.1	b. tropical roots and tubers	Nelumbo nuifera	lotus root	lotuswortel	HC	R	-	-	water	water
2.1	b. tropical roots and tubers	Pachyrhizus tuberosus (Lam) Spreng.	potato bean; tuberous potato bean; tuberous yam bean	yamboon; jicama; Mexicaanse aardappel	HC	R	-	-	water	water
2.1	b. tropical roots and tubers	Ipomoea batatus (L.) poir	sweet potato	zoete aardappel; bataat	HC	R	-	-	water	water
2.1	b. tropical roots and tubers	Xanthosoma sagittifolium (L.) Schott	tannia; yautia; American taro; kongkong	malanga; yautia	HC	R	-	-	water	water
2.1	b. tropical roots and tubers	Dioscorea L.	yam	yam; yamswortel	HC	R	-	-	water	water
2.1	b. tropical roots and tubers	Pachyrizus erosus Urban (L.)	yam bean	yamboon; jicama; Mexicaanse aardappel	HC	R	-	-	water	water
2.2	a. dry harvested bulb vegetables	Allium sativum L.	garlic (white, pink)	knoflook (wit, roze, rocambole = Spaanse reuzenknoflook = Provencaalse knoflook)	HC	R	-	-	-	-
2.2	a. dry harvested bulb vegetables	Allium cepa L. var. cepa	onion; bulb onion (yellow, red, white, button onion)	ui (geel, rood, wit, picklerui = inmaakui, zoete, Spaanse) als plantui of zaaiui	HC	R	R, n	-	water	water
2.2	a. dry harvested	Allium	onion; silver skin	ui; zilverui	HC	R	R, n	-	water	water

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
	bulb vegetables	ampeloprasum L. f. holmense ASCHERS. & GRAEBN	onion							
2.2	a. dry harvested bulb vegetables	Allium ascalonicum L.; Allium cepa L. van aggregatum G. DON	shallot	sjalot (geel, bruin, grijs, cuisse de poullet, Jersey)	HC	R	R, n	-	water	water
2.2	b. green bulb vegetables	Allium cepa L. various cultivars a.o White Lisbon	spring onion	bosui; lenteui; slaui; groene ui	HC	L	-	-	water	water
2.2	b. green bulb vegetables	Allium fistulosum L.	Welsh onion	stengelui; grove bieslook; knolbieslook; pijplook	HC	L	-	-	water	water
2.3	a. solanacea	Solanum melongena L. var. melongena L.	egg plant; aubergine	aubergine (paarse, witte, gestreepte, Japanse=Aziatische; Afrikaanse = antroewa; Thaise witte of gele; Thaise erwtaubergine)	HC	F	-	-	water	water
2.3	a. solanacea	Physalis alkekengi; P. peruviana	ground cherry; Cape gooseberry; golden berry	Kaapse kruisbes; goudbes; ananaskers; physalis	HC	F	-	-	water	water
2.3	a. solanacea	Hibiscus esculentus, syn. Abelmoschus esculentes	okra; lady's fingers	okra; oker; Chinese oker	HC	F	-	-	water	water
2.3	a. solanacea	Solanum muricatum	pepino; melon pear	appelmeloen; meloenpeer; pepino	HC	F	-	-	water	water
2.3	a. solanacea	Capsicum annuum var. longum (D.C.) Sendt; Capsicum annuum var. fasculatum; Capsicum annuum var. conoides; Capsicum annuum var. cerasiforme; Capsicum frutescens	pepper; pungent pepper (chilli pepper = goat pepper = spur pepper)	peper; [chilipeper = cayennepeper (rood, rawit, lombok rawit, Serrano, tabasco); Spaanse peper = lombok (groen, rood, geel, Anaheim, Ancho, Bird's eye = vogelkoppeper = pequinpeper; Habanero; Hot Gold Spike; Jalapeno; Poblano); waspeper (Madame Jeanette)]	HC	F	-	-	-	-
2.3	a. solanacea	Capsicum annuum var. grossum	sweet pepper; non-pungent pepper; paprika; capsicum; red pepper	paprika (groen, rood, geel, oranje, paars; Hongaarse witte; rode mini; witte mini)	HC	F	-	-	water	water
2.3	a. solanacea	Lycopersicon esculentum Mill.; Solanum lycopersicum L.; Lycopersicon esculentum var. cerasiforme	tomato (cherry tomato)	tomaat (rood, geel, oranje, losse ronde, trostomaat, vleestomaat, Italiaanse tomaat = Romatomaat = pomodoritomaat; peertomaat = pruimtomaat; kerstomaat = cocktailtomaat = cherrytomaat)	HC	F	-	-	water	water
2.3	b. cucurbits; edible peel	Lagenaria siceraria (Mol.) Standl.; Lagenaria vulgaris Ser., Lagenaria leucanth (Duch.) Rusby	bottle gourd (young fruits of non-bitter varieties)	fleskalebas; Italiaanse courgette; laboe poetie; poe gwa (jonge vruchten van niet bittere soorten)	HC	F	-	-	water	water
2.3	b. cucurbits; edible peel	Cucumis sativus L.	cucumber	komkommer (Europese komkommer = Hollandse komkommer;	HC	F	-	-	water	water

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
				Amerikaanse komkommer; geribde komkommer; Kirby komkommer)						
2.3	b. cucurbits; edible peel	Cucumis sativus L.	gherkin; pickle	augurk	HC	F	F, s	-	water	water
2.3	b. cucurbits; edible peel	Cucurbita pepo L. var. melopepo Alef.	summer squash (courgette; zucchini = zuchetti)	zomerpompoen (courgette (groen, geel); zucchini = zuchetti = mergpompoen)	HC	F	-	-	water	water
2.3	b. cucurbits; edible peel	Cucurbita pepo L. var. patissonina; Cucurbita pepo f. clypeiformis	summer squash (patisson marrow =crown gourd =custard marrow; pattypan)	zomerpompoen (patisson; pattypan)	HC	F	-	-	water	water
2.3	b. cucurbits; edible peel	Cucurbita pepo L.	summer squash; vegetable spaghetti	zomerpompoen; spaghettipompoen; spaghettikalebas	HC	F	-	-	water	water
2.3	c. cucurbits; inedible peel	Luffa acutangula	angled loofah; ridged gourd	geribde luffa; teroi; vleugelkomkommer; oyong; sze gwa; soekwa	HC	F	-	-	water	water
2.3	c. cucurbits; inedible peel	Momordica charantia	balsam pear; bitter gourd; bitter cucumber; bitter melon	Chinese bitterkomkommer; bittere augurk; bittere meloen; balsampeer; sopropo; pare; foe gwa	HC	F	-	-	water	water
2.3	c. cucurbits; inedible peel	Secchium edule (Jacq.) Schwartz syn Chayota edulis Jacq.	choco; Christophina; shu-shu; choyote	chayote;christophine; choko, shushu, chinchayote, groentepeer; labae siem; waloeh djepan	HC	F	-	-	water	water
2.3	c. cucurbits; inedible peel	Cucumis metuliferus	kiwano; horned cucumber	kiwano; stekelmeloen; Afrikaanse stekelaugurk; gehoornde meloen	HC	F	-	-	water	water
2.3	c. cucurbits; inedible peel	Cucumis melo L.; Cucumis melo var. reticulatus; Cucumis melo var. cantalupensis	melon (musk melon; sweet melon (honeydew melon), cantaloupe, casaba; netted melon (Persian melon)	meloen (gladde meloen = honingmeloen= suikermeloen (honeydewmeloen); kanteloepmeloen (Charentasmeloen= Charentaismeloen), ogenmeloen, Casabameloen, netmeloen (Galiameloen; Perzische meloen)	HC	F	-	-	water	water
2.3	c. cucurbits; inedible peel	Cucurbita moschata (Lam.) Duch ex. Poir	pumpkin musk melon	muskuskalebas; muskuspompoen; laboe; naam gwa	HC	F	-	-	water	water
2.3	c. cucurbits; inedible peel	Cucurbita maxima Duch Ex Lam.; Cucurbita maxima var. turbaniformis	squash; winter squash; marrow; pumpkin	pompoen; winterpompoen (Delicata, Engelse pompoen, Hubbard, Kabocha, Turkse muts, Sweet dumpling, Amerikaanse pompoen, uipompoen, walnootpompoen, eikelpompoen = eikelkalebas; groene pompoen=kastanje-pompoen)	HC	F	-	-	water	water
2.3	c. cucurbits; inedible peel	Citrullus lanatus (Thunb.) Mansf.	water melon	watermeloen	HC	F	-	-	water	water
2.3	c. cucurbits; inedible peel	Benincasa hispida (Thunb.) Cogniaux,	wax gourd	waskalebas; waspompoen; tsiet	HC	F	-	-	water	water

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
		syn Benincasa cerifera Savi		gwa; bligoe idjo						
2.3	d. sweet corn	Zea mays L. var. sacharata Sturt	sweet corn	suikermaïs; babymaïs	HC	C	C, n	-	water	water
2.4	a. flowering brassicas	Brassica oleracea L. convar. capita L.; Brassica oleracea convar. botrytis, var. italica	broccoli; calabrese = Italian green	broccoli (groen, paars)	HC	L	-	-	water	water
2.4	a. flowering brassicas	Brassica oleracea L. convar. botrytis L, var. botrytis L.	cauliflower	bloemkool (wit, groen, paars, Romanesco)	HC	L	L, n	-	water	water
2.4	a. flowering brassicas	Brassica oleracea L. var. alboglabra (Bailey) Sun; Brassica rapa var. alboglabra	Chinese broccoli; Thai broccoli; Chinese kale; gai lon; kaai laan	Chinese broccoli	HC	L	-	-	water	water
2.4	b. head brassicas	Brassica oleracea L. convar oleracea L. var. gemmifera	Brussels sprouts	spruitkool; spruitjes	HC/LF	L	L, n	Id	water	water
2.4	b. head brassicas	Brassica oleracea L. convar capitata L.; B. oleracea convar. capita var. alba, forma, conica; B. oleracea convar capitata var. rubra; B. oleracea convar capitata var. bles sabauda; B. oleracea convar capitata var. bles alba	head cabbage (green cabbage; pointed head cabbage = oxheart cabbage = conical cabbage; red cabbage; yellow Savoy cabbage; green Savoy cabbage; white cabbage)	sluitkool (groene kool; spitskool, rode kool, gele savooienkool, groene savooienkool; witte kool)	HC/LF	L	L, n	Id	water	water
2.4	c. leafy brassicas	Brassica rapa var. rosularis	Chinese cabbage (flat); tai goo choi	tah tsai; tatsoi	HC	L	-	-	water	water
2.4	c. leafy brassicas	Brassica pekinensis (Lour.) Ruprecht; Brassica campestris L. ssp pekinensis (Lour.) Olson; Brassica rapa var. pekinensis?	Chinese cabbage (headed); Peking cabbage; pe-tsai; pai tsai	Chinese kool; pe-tsai; pe-tsaikool	HC/LF	L	L, s	Id	water	water
2.4	c. leafy brassicas	Brassica chinensis L. syn. Brassica campestris L. ssp. Chinensis (L.) MAKINO; Brassica rapa var. chinensis	Chinese cabbage (non-headed); pak choi; ching tsai	paksoi; pak-tsoi	HC	L	-	-	water	water
2.4	c. leafy brassicas	Brassica juncea (L.) Czern.; syn Sinapsis juncea	Chinese mustard; Indian mustard; leaf mustard; chieh tsai; kaai choi	amsoi; Chinese mosterd	HC/LF	L	-	Id	water	water
2.4	c. leafy brassicas	Brassica oleracea L. convar acephalea (D.C.) Alef. var. acephala; Brassica oleracea convar acephala, var. sabellica; Brassica oleracea convar. acephala; Brassica oleracea var. viridis	kale (curly kale = borecole = curled greens; collards = collard greens; kale forage)	boerenkool (struikboerenkool; maaiboerenkool = dwergboerenkool = collards)	HC/LF	L	L, n	Id	water	water
2.4	d. kohlrabi	Brassica oleracea L. convar acephala var. gongylodes	kohlrabi; turnip cabbage	koolrabi (groen, paars)	HC	L	-	-	water	water
2.5	a. lettuce and similar	Lepidium sativum L.	cress varieties (garden cress)	kerssoorten (tuinkers=sterkers=sterrekers=bitterkers; bio-cress, shiso-rood; shiso-groen; daikonkers; mosterdkers)	HC	L	-	-	water	water

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
2.5	a. lettuce and similar	Taraxacum officinale	dandelion leaves	molsla; paardebloem	HC	L	-	-	water	water
2.5	a. lettuce and similar	Cichorium endiva L. var. latifolia; Cichorium endiva L. var. crispum	endive; scarole (broad leaf endive; curled endive = curled-leaved endive)	andijvie (gewone andijvie; krulandijvie = frisee = gekruldbladige andijvie)	HC	L	L, s	-	water	water
2.5	a. lettuce and similar	Valerianella locusta L. laterrade; Valerinella olitoria	lamb's lettuce; corn salad; field salad	veldsla (ezelsoren; broeivet = Amsterdams vet; Italiaanse veldsla)	HC	L	L, s	-	water	water
2.5	a. lettuce and similar	Barbarea verna	land cress; wintercress; American cress	barbarakruid; winterkers	HC	L	-	-	water	water
2.5	a. lettuce and similar	Lactuca sativa var. longifolia; Lactuca sativa var. crispa; Lactuca sativa var. foliosa; Lactuca sativa var. capitata	lettuce (Cos lettuce = Romaine lettuce, cutting lettuce = crinkly lettuce, head lettuce = cabbage lettuce, iceberg lettuce)	sla (bindsla (Gemsla, Cossla = Romaine = Romaanse sla); snijsla = pluksla; krulsla (eikenbladsla; lollo rosso; lollo biondo); kropsla (Bataviasla); ijssla = ijsbergsla)	HC	L	L, s	-	water	water
2.5	a. lettuce and similar	Cichorium intybus L. var. folium; Cichorium intybus L. var. foliosum	red leaved chicory	radicchio rosso; rode sla	HC	L	-	-	water	water
2.5	a. lettuce and similar	Cichorium intybus L. var. foliosum	Sugar loaf; chicory "Sugar Loaf"	groenlof	HC	L	-	-	water	water
2.5	a. lettuce and similar	Cichorium intybus L. var. sativus	wild chicory	wilde cichorei	HC	L	-	-	water	water
2.5	b. spinach and similar	Beta vulgaris L. var. vulgaris; Beta vulgaris var. cicla	chard; Swiss chard; beet leaves; seakale beet; beet spinach; red = Rhubarb chard	snijbiet; snijbietenblad (groen, rood)	HC	L	L, s	-	water	water
2.5	b. spinach and similar	Beta vulgaris L. ssp vulgaris var. conditiva	leaves of beetroot	rode bietenblad; blad van rode bietjes	HC	L	-	-	water	water
2.5	b. spinach and similar	Tetragonia tertragonioides (Pallas) O. Kuntze; Tetragonia expansa?	New Zealand spinach	Nieuwzeelandse spinazie	HC	L	-	-	water	water
2.5	b. spinach and similar	Atriplex hortensis	orache	melde; tuinmelde; ganzevoet; bergspinazie; aardbeispinazie (groen, rood)	HC	L	-	-	water	water
2.5	b. spinach and similar	Portulaca oleracea L.; Portulaca oleracea L.spp sativa (HAW.) CELAK	purslane (common purslane; garden purslane)	postelein; zomerpostelein	HC	L	-	-	water	water
2.5	b. spinach and similar	Claytonia perfoliata DONN ex WILDD.; Montia perfoliata (DONN ex WILDD.) HOWELL.	purslane; winter purslane; miner's lettuce	postelein; winterpostelein	HC	L	-	-	water	water
2.5	b. spinach and similar	Raphanus sativus	radish leaves	radijsblad	HC	L	L, s	-	water	water
2.5	b. spinach and similar	Aster maritime	sea aster leaves	lamsoor; zulte lamsoren; blad van zeeaster	HC	L	-	-	water	water
2.5	b. spinach and similar	Spinacia oleracea L.	spinach	spinazie	HC	L	L, s	-	water	water
2.5	b. spinach and similar	Brassica campestris spp. syn. Brassica rapa	turnip tops; turnip greens	raapsteel; raapstelen	HC	L	-	-	water	water
2.5	c. watercress	Nasturtium	watercress	waterkers = cresson	HC	L	-	-	water	water

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
		officinale R. and BR.								
2.5	d. witloof	Cichorium intybus L. var. folium	red leaved chicory (root culture followed by leaf culture)	roodlof (pennenteelt gevolgd door trekteelt)	HC	L/R	-	-	water	water
2.5	d. witloof	Cichorium intybus L. var. foliosum Hegi	witloof; witloof chicory (root culture followed by leaf culture)	witlof; Brussels lof; lof (pennenteelt gevolgd door trekteelt)	HC	L/R	R, n	Vd	water	water
2.5	e. fresh herbs	Angelica archangelica	angelica; wild angelica	engelwortel (groen)	HC/M	L	-	-	water	water
2.5	e. fresh herbs	Agastache foeniculum (PURSH) KUNTZE	anise hyssop	anijsplant; dropplant	HC/HT/M	L	-	-	water	water
2.5	e. fresh herbs	Melissa officinalis	balm leaves; lemon balm; meliss balm;	citroenmelisse	HC	L	-	-	water	water
2.5	e. fresh herbs	Ocimum basilicum	basil	basilicum; basiliekruid; koningskruid (groen, paars)	HC/M	L	-	-	water	water
2.5	e. fresh herbs	Laurus nobilis	bay leaves; laurel	laurier; laurierblad	HC	L	-	-	water	water
2.5	e. fresh herbs	Borago officinalis	borage leaves	bernagieblad; komkommerkruid	HC	L	-	-	water	water
2.5	e. fresh herbs	Sanguisorba officinalis L.; Sanguisorba minor SCOP. ssp. minor	burnet (great burnet; sald burnet)	pimpernel (grote pimpernel; kleine pimpernel)	HC	L	-	-	water	water
2.5	e. fresh herbs	Carum carvi	caraway leaves	karwijblad	HC	L	-	-	water	water
2.5	e. fresh herbs	Apium graveolens var. secalinum Alef	celery leaves	selderijblad; bladselderij; snijselderij	HC/M	L	-	-	water	water
2.5	e. fresh herbs	Anthriscus cerefolium (L.) Hoffmann	chervil; common chervil	kervel; gewone kervel; echte kervel	HC/M	L	-	-	water	water
2.5	e. fresh herbs	Allium tuberosum	Chinese chives	Chinese bieslook; knoflookbieslook	HC	L	-	-	water	water
2.5	e. fresh herbs	Allium schoenoprasum L.	chives	bieslook	HC	L	-	-	water	water
2.5	e. fresh herbs	Coriandrum sativum	coriander leaves	korianderblad	HC/M	L	-	-	water	water
2.5	e. fresh herbs	Anethum graveolens	dill leaves	dille; dilleblad	HC/M	L	-	-	water	water
2.5	e. fresh herbs	Foeniculum vulgare	fennel leaves	venkelblad; venkelgroen	HC	L	-	-	water	water
2.5	e. fresh herbs	Trigonella foenum-graecum	fenugreek leaves	fenegriekblad	HC	L	-	-	water	water
2.5	e. fresh herbs	Tropaeolum majus	garden nasturtium leaves and flowers	Oost-Indische kers	HC	L	-	-	water	water
2.5	e. fresh herbs	Vitis vinifera	grape leaves; vine leaves	druivenblad; wijnblad	HC	L	-	-	water	water
2.5	e. fresh herbs	Hyssopus officinalis	hyssop	hysop	HC/M	L	-	-	water	water
2.5	e. fresh herbs	Levisticum officinale	lovage	lavas; maggieplant	HC/M	L	-	-	water	water
2.5	e. fresh herbs	Majorana hortensis; Origanum majorana	marjoram; sweet marjoram	majoraan; marjolein	HC/M	L	-	-	water	water
2.5	e. fresh herbs	Mentha spp.; Mentha x villosa f. alopecuroides; Mentha spicata; Mentha pulegium; Mentha x gracilis "Variegata"; Mentha x piperita	mint (peppermint)	munt (Bowles, groene, polei, gember-, pepermunt)	HC/M	L	-	-	water	water
2.5	e. fresh herbs	Origanum vulgare	oregano; wild marjoram	oregano; wilde marjolein	HC/M	L	-	-	water	water
2.5	e. fresh herbs	Petroselinum crispum (Mill.) Nyman ex	parsley	peterselie; bladpeterselie; krulpeterselie	HC/M	L	-	-	water	water

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
		A.W.Hill								
2.5	e. fresh herbs	Eruca sativa; Eruca vesicaria subsp. sativa	rocket	rucola; mosterdkruid; roquette; raketsla; zwaardherik	HC	L	-	-	water	water
2.5	e. fresh herbs	Rosmarinus officinalis	rosemary	rozemarijn; rosmarijn	HC/M	L	-	-	water	water
2.5	e. fresh herbs	Salvia officinalis	sage	salie; echte salie	HC/M	L	-	-	water	water
2.5	e. fresh herbs	Satureja hortensis	savory; summer savory	bonenkruid; eenjarig bonenkruid	HC/M	L	-	-	water	water
2.5	e. fresh herbs	Satureja montana	savory; winter savory	bonenkruid; overblijvend bonenkruid	HC/M	L	-	-	water	water
2.5	e. fresh herbs	Rumex acetosa	sorrel; garden sorrel; dock	zuring; veldzuring	HC	L	-	-	water	water
2.5	e. fresh herbs	Myrrhis odorata	sweet cicely	Roomse kervel; zoete kervel	HC	L	-	-	water	water
2.5	e. fresh herbs	Colocasia esculenta	taro leaves	callaloo; blad van de taroplant	HC	L	-	-	water	water
2.5	e. fresh herbs	Artemisia dracunculus	tarragon	dragon	HC	L	-	-	water	water
2.5	e. fresh herbs	Thymus spp. (varous species)	thyme	tijm	HC/M	L	-	-	water	water
2.5	e. fresh herbs	Diplotaxis DC. spp.; Diplotaxis tenuifolia (L.) DC.	wallrocket; perennial wallrocket	zandkool; gewone zandkool	HC	L	-	-	water	water
2.6	a. beans with pods	Phaseolus vulgaris L.	green bean (as climbing bean or dwarf bean; French bean); snap bean	sperzieboon = prinsessenboon = slaboon (als stokboon of stamboon; Franse sperzieboon = haricots verts); spekboon	HC	P/O	P/O, s-n	-	water	water
2.6	a. beans with pods	Phaseolus coccineus L. syn. Phaseolus multiflorus Willd.	runner bean; scarlet runner bean; Windsor bean	pronkboon; pronker	HC	P/O	P/O, s-n	-	water	water
2.6	a. beans with pods	Phaseolus vulgaris L.	slicing bean (as dwarf slicing bean or string bean)	snijboon (als stamsnijboon of stoksnijboon)	HC	P/O	P/O, s-n	-	water	water
2.6	a. beans with pods	Vigna sinensis subsp. Sesquipedalis	yard long bean; asparagus bean	kousenband	HC	P/O	-	-	water	water
2.6	b. beans without pods	Vicia faba subsp eu-faba var. major	broad bean; fresh broad bean	tuinboon	HC	P/O	P/O, s-n	-	water	water
2.6	b. beans without pods	Phaseolus vulgaris	flageolet	flageolet	HC	P/O	-	-	water	water
2.6	b. beans without pods	Phaseolus lunatus L.; Phaseolus lunatus macrocarpus	lima bean; butter bean; sieva bean	Limaboon, Madagascarboon; boterboon	HC	P/O	-	-	water	water
2.6	c. peas with pods	Pisum sativum L. var. axiphium	mangetout pea; sugar pea; podded pea	peultjes; peul; suikererwt; mangetouts (rijspeul, stampeul)	HC	P/O	P/O, s-n	-	water	water
2.6	d. peas without pods	Pisum sativum var. sativum	green pea; garden pea	doperwt (rijserwt, gekreukt groene stamerwt; rond groene stamerwt)	HC	P/O	P/O, s-n	-	water	water
2.6	d. peas without pods	Pisum sativum	marrowfat; fresh marrowfat	kapucijnererwt; verse kapucijner; blauwschokker rijserwt	HC	P/O	P/O, s-n	-	water	water
2.7	stem vegetables	Cynara scolymus L.; Cynara cardunculus var. scolymus	artichoke; globe artichoke	artisjok	HC/M	L	-	-	water	water
2.7	stem vegetables	Asparagus officinalis L.	asparagus	asperge (wit of groen)	HC/M	L	-	-	water	water
2.7	stem vegetables	Bambusa vulgaris; Phyllostachus spp.	bamboo shoots	bamboescheuten; bamboespruiten	HC	L	-	-	water	water
2.7	stem vegetables	Cynara cardunculus L.	cardoon	kardoen	HC	L	-	-	water	water

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2.7	stem vegetables	Apium graveolens L. var. rapaceum (MILL) GAUD	celeriac harvested at an early stage (where root is very small)	knolselderij; jonge knolselderij en jonge groenselderij	HC	L	-	-	water	water
2.7	stem vegetables	Apium graveolens var. dulce	celery; bleach celery	bleekselderij (groen of gebleekt); groenselderij	HC	L	-	-	water	water
2.7	stem vegetables	Foeniculum vulgare Mill.; Foeniculum officinalis All.	fennel; bulb fennel	venkel; knolvenkel; venkelknol; Florentijnse venkel; zoete venkel; Italiaanse venkel	HC	L	-	-	water	water
2.7	stem vegetables	Salicornia dolichostachya; Salicornia brachystachya; Salicornia europea	glasswort; marsh samphire	zeekraal; rotskraal; zeeasperge; moerasvenkel	HC	L	-	-	water	water
2.7	stem vegetables	Allium porrum L.	leeks	prei	HC	L	L, n	-	water	water
2.7	stem vegetables	Palmae	palm heart	palmhart	HC	L	-	-	water	water
2.7	stem vegetables	Rheum rhaponticum L.	rhubarb	rabarber	HC	L	-	-	water	water
2.7	stem vegetables	Crambe maritima	seakale	zeekool	HC	L	-	-	water	water
2.8	a. cultivated mushrooms	Agaricus bisporus	mushroom	champignon (witte champignon, grotchampignon = champignon de Paris, kastanjechampignon, witte reuzenchampignon, portobello, platte champignon)	HC	F	-	-	water	water
2.8	a. cultivated mushrooms	Pleurotus ostreatus	oyster mushroom	oesterzwam (bruin-grijze oesterzwam =kalfsoesterzwam; gele oesterzwam; lichtpaars-roze = tongetjeszwam)	HC	F	-	-	water	water
2.8	a. cultivated mushrooms	Lentinus edodes	shiitake	shii-take	HC	F	-	-	water	water
2.8	a. cultivated mushrooms	Stropharia rugosoannulata	stropharia; ring mushroom	blauwplaatstropharia; elfenbrood	HC	F	-	-	water	water
2.8	a. cultivated mushrooms	Flammulina velutipes	winter fungus	fluweelpootje; enoki-take	HC	F	-	-	water	water
2.8	b. wild mushrooms	Cantharellus cibarius	cantharelle	cantharel; hanekam; dooierzwam	HC	F	-	-	water	water
2.8	b. wild mushrooms	Boletus edulis	edible boletus; cepe	boleet; eekhoorntjesbrood	HC	F	-	-	water	water
2.8	b. wild mushrooms	Marasmius Oreades	fairy ring mushroom	weidekringzwam	HC	F	-	-	water	water
2.8	b. wild mushrooms	Hydnum repandum; Hydnum umbilicatum	hedge hog; sweet tooth	gele stekelzwam; schapepootje	HC	F	-	-	water	water
2.8	b. wild mushrooms	Craterellus cornucopioides	horn of plenty	hoorn van overvloed	HC	F	-	-	water	water
2.8	b. wild mushrooms	Auricularia auricularia (LINNAEUS ex FRIES) UNDERWOOD; Auricularia auricula-judae	Jew's ear; Judas ear	judasoor; Mu Ehr, muizenoor, Chinese zwarte paddestoel	HC	F	-	-	water	water
2.8	b. wild mushrooms	Morchella esculenta; Morchella crassipes; Morchella hortensis	morel	morielje	HC	F	-	-	water	water
2.8	b. wild mushrooms	Tuber aestivum; Tuber melanosporum; Tuber magnatum	truffle (summer truffle = cook's truffle; black truffle = Perigord truffle)	truffel (zomertruffel; perigordtruffel = zwarte truffel, witte truffel = Piedmont truffel)	HC	F	-	-	water	water

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
3	a. dry harvested beans	Phaseolus angularis syn. Vigna angularis	aduki bean; azuki bean	adukiboon; azukiboon; adzukiboon	HC	P/O	-	-	dry	dry
3	a. dry harvested beans	Vigna unguiculata; Vigna sinensis	black-eyed pea; cowpea	zwartogenboon; vignaboon; blackeyepesie; splitpesie	HC	P/O	-	-	dry	dry
3	a. dry harvested beans	Phaseolus vulgaris L.	haricot bean (yellow bean; brown bean; common bean = navy bean = white bean; speckled bean)	landbouwstamboon; (gele boon = citroenboon; bruine boon; witte boon; kievitsboon)	HC/LF	P/O	P/O, n	IV	dry	dry
3	a. dry harvested beans	Dolichos lablab L. syn. Lablab purpureus (L.) Sweet	hyacinth bean; lablab bean	lablabboon; helmboon; sim; katjang bado	HC	P/O	-	-	dry	dry
3	a. dry harvested beans	Phaseolus vulgaris L.	kidney bean; red kidney bean	nierboon; rode kidneyboon	HC	P/O	-	-	dry	dry
3	a. dry harvested beans	Phaseolus lunatus macrocarpus	lima bean; butter bean	Limaboon, Madagascarboon; boterboon	HC	P/O	-	-	dry	dry
3	a. dry harvested beans	Phaseolus aureus; Phaseolus mungo; Vigna mungo; Vigna radiata	mung bean; green gram	mungboon; katjang idjo; katjang hidjan	HC	P/O	-	-	dry	dry
3	b. dry harvested peas	Cicer arietinum L.; Cecer culinaris?	chickpea; bengal gram	kekererwt; kikkererwt	HC	P/O	-	-	dry	dry
3	b. dry harvested peas	Pisum sativum L. var. arvense	marrowfat; brown marrowfat; grey pea; maple pea	kapucijner; schokker; grauwe erwt; rozijnerwt	HC/LF	P/O	P/O, n	III, IV	dry	dry
3	b. dry harvested peas	Pisum sativum L.	pea; blue pea	erwt; groene erwt; ronde groene erwt; spliterwt	HC/LF	P/O	P/O, n	III, IV	dry	dry
3	c. other dry harvested pulses	Lens esculenta; Lens culinaris ssp. macrosperma (Baumb) Barulina; Lens culinaris ssp. microsperma Barulina	lentil (large-seeded lentil; small-seeded lentil)	linze (groen, bruin, rood)	HC	P/O	-	-	dry	dry
3	c. other dry harvested pulses	Lupinus spp.	lupin	lupine	HC/LF	P/O	-	IV	dry	dry
3	d. sprouting vegetables	Medicago sativa	alfalfa sprouts	alfalfa; luzernespruiten	HC	P/O	-	-	water	water
3	d. sprouting vegetables	Phaseolus angularis = Vigna angularis; Phaseolus aureus = Phaseolus mungo = Vigna mungo	bean sprouts (azuki bean sprouts = aduki bean sprouts; mung bean sprouts)	tauge (azukiboonkiemen = adukiboonkiemen; mungboonkiemen = katjang-idjoe-kiemen)	HC	P/O	-	-	water	water
3	d. sprouting vegetables	Glycine max (L.) Merr. syn. Glycine hispida	bean sprouts; soya bean sprouts	sojaboonkiemen; sojaboonspruiten	HC	P/O	-	-	water	water
3	d. sprouting vegetables	Trigonella foenum-vulgare	fenugreek sprouts	fenegriekspruiten	HC	P/O	-	-	water	water
3	d. sprouting vegetables	Lens esculenta; Lens culinaris	lentil sprouts	linzenkiemen	HC	P/O	-	-	water	water
4.1	oil seeds	Gosypium spp.	cotton seed	katoenzaad	HC	P/O	-	-	fat	fat
4.1	oil seeds	Camelina sativa	gold of pleasure	huttentut; dederzaad	HC	P/O	-	-	fat	fat
4.1	oil seeds	Cannabis sativa	hemp seed	hennepzaad	HC/M/LF/ NF	P/O	-	VI	fat	fat
4.1	oil seeds	Ceiba pentandra	kapok seed	kapokzaad	HC/M	P/O	-	-	fat	fat
4.1	oil seeds	Linum usitatissimum L.	linseed; flax; flax seed	lijnzaad; vlas; olievlas	HC/M/LF/ NF	P/O	P/O, n	VI	fat	fat
4.1	oil seeds	Brassica nigra (L.) Koch, syn Sinapsis nigra; Brassica alba syn. Sinapsis alba	mustard seed (black mustard = brown mustard ; white mustard = table mustard)	mosterdzaad; (zwarte mosterd = bruine mosterd; gele mosterd = witte mosterd)	HC/M/LF	P/O	P/O, n	VI	fat	fat

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4.1	oil seeds	Brassica napus L.; Brassica napus L. ssp oleifera (Metzg.) Sinsk.; Brassica napus var. biennis?	oilseed rape; cole seed; canola; swede rape (winter oilseed rape; summer oilseed rape)	koolzaad (winterkoolzaad; zomerkoolzaad)	HC/LF	P/O	P/O, n-l	Ic; VI	fat	fat
4.1	oil seeds	Elaeis guineensis	palm kernel (fleshy covering)	palmpitvlies	HC/LF?	P/O	-	-	fat	fat
4.1	oil seeds	Elaeis guineensis	palm nut; palm kernel; palm oil kernel; palm seed; oil palm	palmpit	HC/LF?	P/O	-	-	fat	fat
4.1	oil seeds	Arachis hypogaea L.	peanut; groundnut	pinda; aardnoot	HC/LF?	P/O	-	VI	fat	fat
4.1	oil seeds	Papaver somniferum L.	poppy seed; oilseed poppy; mawseed	blauwmaanzaad; papaverzaad	HC/M/LF	P/O	P/O, n	VI	fat	fat
4.1	oil seeds	Cucurbita pepo var. oleifera pietsch; Cucurbita pepo var. malakasperma?	pumpkin seed	pompoenzaad; pompoenpitten	HC/LF?	P/O	-	-	fat	fat
4.1	oil seeds	Brassica rapa oleifera?	rape seed	raapzaad; zomerraapzaad	HC/LF	P/O	-	Ic; VI	fat	fat
4.1	oil seeds	Carthamus tinctorius	safflower	saffloer	HC/M	P/O	-	-	fat	fat
4.1	oil seeds	Sesanum indicum L.; Sesamum orientale L.	sesame seed	sesamzaad	HC	P/O	-	-	fat	fat
4.1	oil seeds	Glycine max (L.) Merr. syn. Glycine hispida	soya bean; soybean	sojaboon	HC/LF	P/O	P/O, n	IV; VI	fat	fat
4.1	oil seeds	Helianthus annuus L.	sunflower seed	zonnebloempitten	HC/M/LF	P/O	-	If; VI	fat	fat
5	potatoes	Solanum tuberosum L.	potato; starch potato	aardappel; fabrieksaardappel; zetmeelaardappel	HC/LF/NF	R	R, n	Va	water	water
5	potatoes	Solanum tuberosum L.	potato; ware potato (early potato; store potato)	aardappel; consumptieaardappel (vroege aardappels; bewaaraardappels); roseval-aardappel; pomme de truffe	HC/LF	R	R, n	Va	water	water
6	tea	Camellia sinensis	tea; black tea	thee; zwarte thee (gefermenteerd)	HC	L	-	-	-	-
6	tea	Camellia sinensis	tea; green tea	thee; groene thee (ongefermenteerd)	HC	L	-	-	-	-
6	tea	Camellia sinensis	tea; oolong tea	thee; oolong thee (half gefermenteerd)	HC	L	-	-	-	-
7	hops	Humulus lupulus L.	hop	hop	HC	L	-	-	-	-
8	a. spices and herbs for culinary use; roots	Zingiber officinale ROSCOE	ginger root	gember; gemberwortel	HC/M/NF	R	-	-	-	-
8	a. spices and herbs for culinary use; roots	Glycyrrhiza glabra	liquorice roots	zoethout; zoethoutwortel	HC/M/NF	R	-	-	-	-
8	a. spices and herbs for culinary use; roots	Curcuma longa syn. domestica	turmeric; curcuma	geelwortel; kurkuma; koenjit	HC/M/NF	R	-	-	-	-
8	b. spices and herbs for culinary use; leaves/flowers, other than 2.5e	Cymbopogon citratus	lemon grass	citroengras; sereh	HC/M/NF	L	-	-	-	-
8	b. spices and herbs for culinary use; leaves/flowers, other than 2.5e	Capparis spinosa	caper buds; capers	kappertjes	HC	L	-	-	water	water
8	b. spices and herbs for culinary use; leaves/flowers, other than 2.5e	Syzygium aromaticum (L.) MERR. & L.M.PERRY	clove	kruidnagel	HC/M/NF	L	-	-	-	-
8	b. spices and herbs for culinary use;	Crocus sativus	saffron	saffraan; saffraankrokus	HC/M	L	-	-	-	-

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
	leaves/flowers, other than 2.5e									
8	c. spices and herbs for culinary use; fruit/seeds	Pimenta dioica (L.) MERR.; Pimenta officinalis?	allspice; pimento; Jamaica pepper	piment	HC	F	-	-	-	-
8	c. spices and herbs for culinary use; fruit/seeds	Pimpinella anisum	anise seed	anijszaad	HC	P/O	-	-	fat	fat
8	c. spices and herbs for culinary use; fruit/seeds	Carum carvi L.	caraway seed	karwijzaad; kummel; (winterkarwij, zomerkarwij)	HC/M/LF/NF	P/O	P/O, l	VI	fat	fat
8	c. spices and herbs for culinary use; fruit/seeds	Elettaria cardamomum (L.) MATON; Amomum kravanh?	cardamom; cardamom seed	kardemomzaad; kardemompitten; kardamom; kardemom	HC/M/NF	P/O	-	-	fat	fat
8	c. spices and herbs for culinary use; fruit/seeds	Apium graveolens L.	celery seeds	selderijzaad	HC/M	P/O	-	-	fat	fat
8	c. spices and herbs for culinary use; fruit/seeds	Coriandrum sativum	coriander seeds	korianderzaad; ketoembar	HC/M/NF	P/O	-	-	fat	fat
8	c. spices and herbs for culinary use; fruit/seeds	Cuminum cyminum L.	cuminseed	komijnzaad; djinten; djintan	HC	P/O	-	-	fat	fat
8	c. spices and herbs for culinary use; fruit/seeds	Anethum graveolens	dill seeds	dillezaad	HC/M	P/O	-	-	fat	fat
8	c. spices and herbs for culinary use; fruit/seeds	Foeniculum vulgare	fennel seeds	venkelzaad	HC	P/O	-	-	fat	fat
8	c. spices and herbs for culinary use; fruit/seeds	Trigonella foenum-graecum	fenugreek seeds	fenegriekzaad	HC/M	P/O	-	-	fat	fat
8	c. spices and herbs for culinary use; fruit/seeds	Tropaeolum majus L.	garden nasturtium pods and seeds	Oostindische kers (zaad met peul)	HC/M	P/O	-	-	-	-
8	c. spices and herbs for culinary use; fruit/seeds	Juniperus communis L.	juniper berry	jeneverbes	HC/M	F	-	-	-	-
8	c. spices and herbs for culinary use; fruit/seeds	Levisticum officinale	lovage seed	lavaszaad	HC/M	P/O	-	-	fat	fat
8	c. spices and herbs for culinary use; fruit/seeds	Myristica fragrans HOUTT.	mace	foelie	HC/M	F	-	-	-	-
8	c. spices and herbs for culinary use; fruit/seeds	Myristica fragrans HOUTT.	nutmeg	nootmuskaat; muskaatnoot; pala	HC/M	F	-	-	-	-
8	c. spices and herbs for culinary use; fruit/seeds	Piper nigrum L.	pepper (black, white)	peper; peperkorrels (zwarte, witte); maritja	HC/M	F	-	-	-	-
8	c. spices and herbs for culinary use; fruit/seeds	Piper nigrum L.	pepper; green pepper	peper; peperkorrels (groene); groene pepertjes	HC	F	-	-	-	-
8	c. spices and herbs for culinary use; fruit/seeds	Illicium verum	star anise; Chinese anise	steranijs	HC	P/O	-	-	fat	fat
8	c. spices and herbs for culinary use; fruit/seeds	Tamarindus indica	tamarind	tamarinde; asem	HC	F	-	-	water	water
8	c. spices and herbs for culinary use; fruit/seeds	Vanilla mexicana Mill.; Vanilla planifolia JACKSON in ANDR.; Vanilla fragrans?	vanilla beans; vanilla pods	vanille; vanillestokjes; vanillepeulen	HC	F	-	-	-	-
8	d. other spices and herbs for culinary use	Cinnamomum zeylanicum BLUME/NEES	cinnamon	kaneel; kaneelstokje	HC/M/NF	-	-	-	-	-
9.1	cereals	Hordeum vulgare L. sensu lato;	barley (winter barley; spring	gerst (wintergerst; zomergerst;	HC/LF	C	C, n-l	IIa, IIc, III	dry	dry

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
		Hordeum distichum L.; Hordeum polystichum L.	barley)	brouwgerst)						
9.1	cereals	Fagopyrum esculentum Moench; syn. Fagopyrum sagigtatum	buckwheat; common buckwheat; kasha	boekweit; kasha	HC/LF/G	C	-	IIa	dry	dry
9.1	cereals	Zea mays L.	maize; corn	maïs; droge korrelmaïs	HC/LF	C	C, n	If, IIb, IIc	dry	dry
9.1	cereals	Panicum miliaceum; Setaria italica	millet (proso millet; foxtail millet)	gierst; pluimgierst	HC/LF	C	-	IIa	dry	dry
9.1	cereals	Avena sativa L.	oats	haver	HC/LF	C	C, n	IIa, IIc, III	dry	dry
9.1	cereals	Chenopodium quinoa	quinoa	quinoa	HC/LF?	C	-	-	dry	dry
9.1	cereals	Oryza sativa L.	rice	rijst	HC/LF	C	-	IIa	dry	dry
9.1	cereals	Zizania aquatica L.	rice; wild rice	rijst; wilde rijst	HC/LF?	C	-	-	dry	dry
9.1	cereals	Secale cereale L.	rye (winter rye; spring rye)	rogge (winterrogge, zomerrogge)	HC/LF/G	C	C, n-l	IIa, IIc, III	dry	dry
9.1	cereals	Sorghum bicolor (L.) Moench; Sorghum vulgare; Andropogon sorghum?	sorghum; sorgho	sorghum	HC/LF	C	C, n	IIa	dry	dry
9.1	cereals	Triticum spelta L.	spelt; German wheat	spelt	HC/LF	C	-	IIa	dry	dry
9.1	cereals	Eragrostis abyssinica; Eragrostis tef	teff	teff	HC/LF?	C	-	-	dry	dry
9.1	cereals	X triticosecale Wittm.; triticum x secale; hybrid of wheat and rye	triticale	triticale	HC/LF	C	-	IIa, IIc, III	dry	dry
9.1	cereals	Triticum aestivum L.	wheat; bread wheat (winter wheat; spring wheat)	tarwe; (wintertarwe; zomertarwe)	HC/LF	C	C, n-l	IIa, IIc, III	dry	dry
9.1	cereals	Triticum durum Desf.	wheat; durum wheat; hard wheat; flint wheat; macaroni wheat	tarwe; harde tarwe	HC/LF	C	-	IIa, IIc, III	dry	dry
10.1	tropical seeds	Theobroma cacao L.	cocoa bean	cacao; cacaoboon	HC	F	-	-	-	-
10.1	tropical seeds	Coffea arabica; Coffea robusta; Coffea liberica	coffee bean; green coffee	koffieboon	HC	F	-	-	-	-
11	a. roots for sugar production	Cichorium intybus L. var. sativus; Cichorium intybus L. partim	industrial chicory root	cichorei; wortelcichorei	HC/LF	R	-	-	-	-
11	a. roots for sugar production	Beta vulgaris L.	sugar beet	biet; suikerbiet	HC/LF	R	R, n	Ie/Vc	-	-
11	b. sugar cane	Saccharum L.	sugar cane	suikerriet	HC	C	-	-	-	-
18.1	a. grasses	Dactylis glomerata L.	grass; cocksfoot	gras; kropaar	LF/SP	C	C, s	Ia; If; Ih; III	water	water
18.1	a. grasses	Festuca pratensis Huds.	grass; fescue grass; meadow fescue	gras; beemdlangbloem	LF/SP	C	C, s	Ia; If; Ih; III	water	water
18.1	a. grasses	Lolium x Bouchenanum Kunth; Lolium x hybridum Hausskn.	grass; hybrid ryegrass	gras; gekruist raaigras	LF/G	C	C, s	Ia; If; Ih; III	water	water
18.1	a. grasses	Lolium multiflorum Lam.	grass; Italian ryegrass	gras; Italiaans raaigras	LF/G/SP	C	C, s	Ia; If; Ih; III	water	water
18.1	a. grasses	Lolium perenne L.	grass; perennial ryegrass	gras; Engels raaigras	LF/NF/G/ SP	C	C, s	Ia; If; Ih; III	water	water
18.1	a. grasses	Poa trivalis L.	grass; rough-stalked meadowgrass; Danish bluegrass	gras; ruwbeemdgras	LF/SP	C	C, s	Ia; If; Ih; III	water	water
18.1	a. grasses	Poa pratensis L.	grass; smooth-	gras; veldbeemdgras	LF/SP	C	C, s	Ia; If; Ih;	water	water

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
			stalked meadowgrass					III		
18.1	a. grasses	Festuca arundinacea Schreb.	grass; tall fescue	gras; rietzwenkgras	LF/G/NF/ SP	C	C, s	Ia; If; Ih; III	water	water
18.1	a. grasses	Phleum pratense L.	grass; timothy; catstail, herdgrass	gras; timothee	LF/SP	C	C, s	Ia; If; Ih; III	water	water
18.1	a. grasses	Lolium multiflorum Lam.	grass; Westerwold ryegrass	gras; Westerwolds raaigras	LF/G/SP	C	C, s	Ia; If; Ih; III	water	water
18.1	b. cereal forage	Zea mays L.	maize forage; forage maize; corn forage	snijmaïs	LF	C	C, s	If; Ii	water	water
18.1	b. cereal forage	Secale cereale L.	rye forage; green rye; rye for green fodder	snijrogge	LF/G	C	C, s	If; Ii	water	water
18.1	b. cereal forage	Triticum aestivum L.	wheat forage	snijtarwe	LF	C	C, s	If; Ii	water	water
18.1	c. papilionacea for livestock feed	Medicago sativa L.	alfalfa; lucerne forage	luzerne	LF	P/O	P/O, s	Ib; If	water	water
18.1	c. papilionacea for livestock feed	Trifolium resupinatum L.	clover	klaver; Perzische klaver	LF/G	P/O	-	Ib; If	water	water
18.1	c. papilionacea for livestock feed	Trifolium spp.	clover	klaver	LF	P/O	-	Ib; If	water	water
18.1	c. papilionacea for livestock feed	Trifolium hybridium L.	clover; alsike clover; Swedish clover	klaver; bastaardklaver	LF/G	P/O	-	Ib; If	water	water
18.1	c. papilionacea for livestock feed	Trifolium alexandrinum L.	clover; berseem; bersim; Egyptian clover	klaver; Alexandrijnse klaver	LF/G	P/O	-	Ib; If	water	water
18.1	c. papilionacea for livestock feed	Trifolium incarnatum	clover; crimson clover; Italian clover; scarlet clover	klaver; incarnaatklaver	LF	P/O	-	Ib; If	water	water
18.1	c. papilionacea for livestock feed	Trifolium pratense L.	clover; red clover	klaver; rode klaver	LF/M/G	P/O	-	Ib; If	water	water
18.1	c. papilionacea for livestock feed	Trifolium repens L.	clover; white clover; Dutch clover	klaver; witte klaver	LF/G	P/O	-	Ib; If	water	water
18.1	c. papilionacea for livestock feed	Vicia faba var. minor	field bean forage; (fresh horse bean; fresh tick bean = pigeon bean)	veldboon groenvoer (paardeboon; duiveboon)	LF	P/O	-	If; Ii	water	water
18.1	c. papilionacea for livestock feed	Medicago lupulina	hop trefoil; black medic; yellow trefoil;	hopperupsklaver; hopklaver	LF/G	P/O	-	Ib; If	water	water
18.1	c. papilionacea for livestock feed	Ornithopus sativus	serradella	serradelle; serradella	LF/G	P/O	-	Ib	water	water
18.1	c. papilionacea for livestock feed	Spergula arvensis L.	spurry	spurrie	LF/G	P/O	-	Ib	water	water
18.1	c. papilionacea for livestock feed	Lupinus luteus L.	sweet lupin forage; fodder lupin	gele lupine; gele voederlupine	LF/G	P/O	-	Ib	water	water
18.1	d. forage rape	Raphanus sativus subsp. oleiferus (DC.) Metzg.	fodder radish; Chinese radish	bladramenas	LF/G	L	-	Ic	water	water
18.1	d. forage rape	Brassica napus subsp. oleifera (Metzg.) Sinsk.	forage rape (winter oilseed rape ; summer oilseed rape)	bladkool; jonge vorm van koolzaad (winterkoolzaad; zomerkoolzaad)	LF/G	P/O	P/O, s	Ic	water	water
18.1	d. forage rape	Brassica oleracea convar. acephale DC; Brassica oleracea L. var. acephala subvar medullosa THELL.	marrow-stem cabbage; marrow-stem kale	bladkool; mergkool	LF/G	L	L, n	Ic	water	water
18.1	d. forage rape	Brassica rapa	perko	bladkool, jonge vorm van raapzaad; perko	LF/G	P/O	-	Ic	water	water
18.2	roots and tubers for livestock feed	Daucus carota	carrot; fodder carrot	wortel; peen; voederwortel	LF	R	R, n	Vd	water	water
18.2	roots and tubers for livestock feed	Beta vulgaris L.	fodder beet	biet; voederbiet	LF	R	-	Vc	water	water
18.2	roots and tubers for	Solanum tuberosum	potato; seed potato	aardappel;	LF	R	R, n	Va	water	water

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
	livestock feed	L.		pootaardappel						
18.2	roots and tubers for livestock feed	Brassica campestris var. rapa L. Hartm.; Brassica rapa L. var. rapa	turnip (grown as catchcrop)	stoppelknol	LF/G	R	-	Ie	water	water
18.3	dry harvested pulses for livestock feed	Lathyrus sativus L.	chickling vetch; Khesari dhal	lathyrus	LF	P/O	-	IV	dry	dry
18.3	dry harvested pulses for livestock feed	Vicia faba var. minor; Vicia faba var. major	field bean (horse bean; pigeon bean; small seeded broad bean)	veldboon (paardeboon; duiveboon; wierboon)	LF	P/O	P/O, n	IV	dry	dry
18.3	dry harvested pulses for livestock feed	Pisum sativum L. partim	field pea; dry pea	landbouwerwt; voedererwt	LF	P/O	P/O, n	III, IV	dry	dry
18.3	dry harvested pulses for livestock feed	Pisum sativum L.	white pea	gele erwt	LF	P/O	P/O, n	III, IV	dry	dry
18.4	cereals for livestock feed	Hordeum vulgare L. sensu lato; Hordeum distichum L.; Hordeum polystichum L.	barley; spring barley	gerst (voergerst; zomergerst)	LF	C	C, n	IIa, IIc, III	dry	dry
18.4	cereals for livestock feed	Phalaris canariensis L.	canaryseed; canary grass	Kanariezaad	LF/G/NF	C	-	IIa	dry	dry
18.4	cereals for livestock feed	Zea mays L.	maize	maïs; maïskolvensilage, MKS-maïs	LF	C	C, n	IIb?	dry	dry
18.4	cereals for livestock feed	Zea mays L.	maize; CCM maize	maïs; corn cob mix, CCM-maïs; natte korrelmaïs; vochtige korrelmaïs	LF	C	C, n	IIb?	dry	dry
18.4	cereals for livestock feed	Triticum aestivum L.	wheat	tarwe (voertarwe; zomertarwe; wintertarwe)	LF	C	C, n-l	IIa, IIc, III	dry	dry
19	a. tealike products; roots	Glycyrrhiza glabra	liquorice roots	Zoethout; zoethoutwortel	HT/M	R	-	-	-	-
19	a. tealike products; roots	Valeriana officinalis	valerian (root)	Valeriaan; echte valeriaan (wortel)	HT/M	R	-	-	-	-
19	b. tealike products; leaves/flowers	Melissa officinalis	balm leaves; lemon balm; meliss balm;	Citroenmelisse (blad)	HT/M	L	-	-	water	water
19	b. tealike products; leaves/flowers	Matricaria recutita	chamomille (flowers)	Kamille; echte kamille; kamelle; karmillen; kwadeogenbloem; megdeblommen (bloem)	M/HT	L	-	-	water	water
19	b. tealike products; leaves/flowers	Tilia cordata	lime blossom; linden	Lindebloesem; winterlinde	HT/M	L	-	-	water	water
19	b. tealike products; leaves/flowers	Mentha x piperita	mint; peppermint (leaves)	munt; pepermunt (blad)	HT/M	L	-	-	water	water
19	b. tealike products; leaves/flowers	Uritica dioica; Urtica urens	nettle (leaves/stems)	netel; brandnetel; (grote brandnetel; kleine brandnetel) (blad/stengel)	HC/HT/M	L	-	-	water	water
19	b. tealike products; leaves/flowers	Aspalathus linearis	rooibos (leaves; shoots)	Rooibos (blad, scheuten)	HT/M	L	-	-	water	water
19	b. tealike products; leaves/flowers	Salvia officinalis	sage (leaves)	salie; echte salie (blad)	HT/M	L	-	-	water	water
19	b. tealike products; leaves/flowers	Hypericum perforatum	St. Johnwort (flowers)	Sint Janskruid (bloem)	HT/M	L	-	-	water	water
19	b. tealike products; leaves/flowers	Thymus vulgaris	thyme (flowering)	tijm (bloeiend)	HT/M	L	-	-	water	water
19	c. tealike products; fruit/seeds	Pimpinella anisum	anise seed	Anijszaad	HT/M	P/O	-	-	fat	fat
19	c. tealike products; fruit/seeds	Malus domestica; Malus pumila	apple	Appel	HT/M	F	-	-	water	water
19	c. tealike products; fruit/seeds	Foeniculum vulgare	fennel seeds	Venkelzaad	HT/M	P/O	-	-	fat	fat
19	c. tealike products; fruit/seeds	Rosa canina	rose hip	Rozebottel	HT/M	F	-	-	water	water
20	a. medicinal herbs; roots	Hydrastis canadensis	Goldenseal	Canadese anemoon	M	R	-	-	-	-
20	a. medicinal herbs;	Podophyllum	common may-apple	Voetblad (wortel)	M	R	-	-	-	-

Nr.	Product (sub)group (EU)	Latin	English	Dutch	Use	M	RC	LF	SS	AM
	roots	peltatum	(roots)							
20	a. medicinal herbs; roots	Panax ginseng	ginseng (roots)	Ginseng (wortel)	M	R	-	-	-	-
20	a. medicinal herbs; roots	Rheum palmatum var. tanguticum	rhubarb; Chinese rhubarb (roots)	Rabarber; Chinese rabarber (wortel)	M	R	-	-	-	-
20	a. medicinal herbs; roots	Valeriana officinalis	valerian (root)	Valeriaan; echte valeriaan (wortel)	HT/M	R	-	-	-	-
20	a. medicinal herbs; roots	Gentiana lutea	yellow gentian (roots)	gele gentiaan (wortel)	M/NF	R	-	-	-	-
20	b. medicinal herbs; leaves/flowers	Arnica montana	arnica (flowers)	Bergvalkruid; wolverlei; arnika (bloem)	M	L	-	-	water	water
20	b. medicinal herbs; leaves/flowers	Hyoscyamus niger	black henbane (leaves, flowers)	Bilzenkruid; dolkruid (blad, bloem)	M	L	-	-	water	water
20	b. medicinal herbs; leaves/flowers	Peumus boldus	boldo (leaves, bark)	boldo (blad, bast)	M	L	-	-	water	water
20	b. medicinal herbs; leaves/flowers	Arctostaphylos uva-ursi	common bearberry (leaves)	Beredruif (blad)	(HT)/M/NF	L	-	-	water	water
20	b. medicinal herbs; leaves/flowers	Perilla frutescens	common perilla (leaves)	Zwarte netel (blad)	HC/M	L	-	-	water	water
20	b. medicinal herbs; leaves/flowers	Taxus baccata	common yew (leaves, bark)	Taxusboom; venijnboom (naalden, bast)	M	L	-	-	water	water
20	b. medicinal herbs; leaves/flowers	Atropa belladonna	deadly nightshade (leaves, flowers)	Wolfskers, nachtschade (blad, bloem)	M	L	-	-	water	water
20	b. medicinal herbs; leaves/flowers	Digitalis lanata	foxglove (leaves)	Vingerhoedskruid; wollig vingerhoedskruid (blad)	M	L	-	-	water	water
20	b. medicinal herbs; leaves/flowers	Viola tricolor	heartsease; wild pansy (leaves, flowers)	Viooltje; driekleurig viooltje (blad, bloem)	HC/M/NF	L	-	-	water	water
20	b. medicinal herbs; leaves/flowers	Lobelia inflata	lobelia (leaves, flowers)	Lobelia; opgeblazen lobelia; Indiaanse tabak (blad, bloem)	M	L	-	-	water	water
20	b. medicinal herbs; leaves/flowers	Vinca major	periwinkle; bigleaf (leaves, flowers)	grote maagdenpalm (blad, bloem)	M	L	-	-	water	water
20	b. medicinal herbs; leaves/flowers	Hypericum perforatum	St. Johnswort (flowers)	Sint Janskruid (bloem)	M	L	-	-	water	water
20	b. medicinal herbs; leaves/flowers	Melaleuca viridiflora	tea tree (leaves)	Australische theeboom (blad)	M	L	-	-	water	water
20	c. medicinal herbs; fruit/seeds	Borago officinalis	borage seeds	Bernagiezaad	M	P/O	-	-	fat	fat
20	c. medicinal herbs; fruit/seeds	Oenothera biennis L.	evening primrose; common evening primrose (seeds)	Teunisbloem; gewone teunisbloem (zaad)	M/NF	P/O	-	-	fat	fat
20	c. medicinal herbs; fruit/seeds	Aesculus hippocastanum	horse chestnut	Kastanje; paardekastanje	M	F	-	-	water	water
21	tobacco	Nicotiana tabacum	tobacco	tabak; boerentabak	HC	L	-	-	-	-
22	industrial non-food crops	Linum usitatissimum L.	fibre flax	Vezelvlas	NF	-	-	-	-	-
22	industrial non-food crops	Cannabis sativa	hemp	Vezelhennep	NF	-	-	-	-	-
22	industrial non-food crops	Hibiscus cannabinus L.	kenaf; kanaf; bastard jute; deccan hemp	kenaf; deccajute	NF	-	-	-	-	-
22	industrial non-food crops	Rubia tinctorum	madder	Meekrap	NF	-	-	-	-	-

Appendix 3 Index according to English crop names

This appendix provides the English name index to appendix 2.

English name	Group	Listed under:
acerola	1.6a	acerola
aduki bean	3a	aduki bean
aduki bean sprouts	3d	bean sprouts
akee	1.6c	akee
akee apple	1.6c	akee
alfalfa	18.1c	alfalfa
alfalfa sprouts	3d	alfalfa sprouts
allspice	8c	allspice
almond	1.2	almond
alsike clover	18.1c	clover
ambarella	1.6a	ambarella
American cress	2.5a	land cress
American persimmon	1.6c	American persimmon
American taro	2.1b	tannia
angelica	2.5e	angelica
angled loofah	2.3c	angled loofah
anise hyssop	2.5e	anise hyssop
anise seed	19c	anise seed
anise seed	8c	anise seed
apple	1.3	apple
apple	19c	apple
appleberry	1.3	black chokeberry
apricot	1.4	apricot
arbutus berry	1.6a	arbutus berry
arnica	20b	arnica
arrowroot	2.1b	arrowroot
artichoke	2.7	artichoke
asparagus	2.7	asparagus
asparagus bean	2.6a	yard long bean
aubergine	2.3a	egg plant
avocado	1.6b	avocado
avocado pear	1.6b	avocado
azarole	1.5d	azarole
azuki bean	3a	aduki bean
azuki bean sprouts	3d	bean sprouts
babaco	1.6b	babaco
balm leaves	19b	balm leaves
balm leaves	2.5e	balm leaves
balsam pear	2.3c	balsam pear
bamboo shoots	2.7	bamboo shoots
banana	1.6d	banana
barbados cherry	1.6a	acerola
barley	9.1	barley
barley	18.4	barley
basil	2.5e	basil
bastard jute	22	kenaf
bay leaves	2.5e	bay leaves
bean sprouts	3d	bean sprouts
beet leaves	2.5b	chard
beet spinach	2.5b	chard
beetroot	2.1a	beetroot

English name	Group	Listed under:
bengal gram	3b	chickpea
bergamot	1.1a	orange
bergamot pear	1.1a	orange
berseem	18.1c	clover
bersim	18.1c	clover
bigarade	1.1a	orange
bilberry	1.5d	bilberry
bilimbi	1.6a	carambola
bitter cucumber	2.3c	balsam pear
bitter gourd	2.3c	balsam pear
bitter melon	2.3c	balsam pear
bitter orange	1.1a	orange
black chokeberry	1.3	black chokeberry
black currant	1.5d	currant
black henbane	20b	black henbane
black medic	18.1c	hop trefoil
black mustard	4.1	mustard seed
black persimmon	1.6c	sapote
black radish	2.1a	radish
black salsify	2.1a	salsify
black sapote	1.6c	sapote
black tea	6	tea
black truffle	2.8b	truffle
blackberry	1.5c	blackberry
black-eyed pea	3a	black-eyed pea
bleach celery	2.7	celery
blood orange	1.1a	orange
blue pea	3b	pea
blueberry	1.5d	blueberry
boldo	20b	boldo
borage leaves	2.5e	borage leaves
borage seeds	20c	borage seeds
borecole	2.4c	kale
bottle gourd	2.3b	bottle gourd
boysenberry	1.5c	boysenberry
Brasilian cherry	1.6a	pitanga
Brazil nut	1.2	Brazil nut
bread wheat	9.1	wheat
breadfruit	1.6b	breadfruit
broad bean	2.6b	broad bean
broad leaf endive	2.5a	endive
broccoli	2.4a	broccoli
brown bean	3a	haricot bean
brown marrowfat	3b	marrowfat
brown mustard	4.1	mustard seed
Brussels sprouts	2.4b	Brussels sprouts
buckthorn	1.5d	buckthorn
buckwheat	9.1	buckwheat
bulb fennel	2.7	fennel
bulb onion	2.2a	onion
bullace	1.4	plum

English name	Group	Listed under:
bullock's heart	1.6b	custard apple
burnet	2.5e	burnet
bush nut	1.2	macadamia nut
butter bean	2.6b	lima bean
butter bean	3a	lima bean
button onion	2.2a	onion
cabbage lettuce	2.5a	lettuce
cactus fruit	1.6c	prickly pear
calabrese	2.4a	broccoli
canary grass	18.4	canaryseed
canaryseed	18.4	canaryseed
canistel	1.6c	canistel
canola	4.1	oilseed rape
cantaloupe	2.3c	melon
cantharelle	2.8b	cantharelle
Cape gooseberry	2.3a	ground cherry
caper buds	8b	caper buds
capers	8b	caper buds
capsicum	2.3a	sweet pepper
carambola	1.6a	carambola
caranda	1.6a	caranda
caranda plum	1.6a	caranda
caraway leaves	2.5e	caraway leaves
caraway seed	8c	caraway seed
cardamom	8c	cardamom
cardamom seed	8c	cardamom
cardoon	2.7	cardoon
carob	1.6a	carob
carrot	18.2	carrot
carrot	2.1a	carrot
casaba	2.3c	melon
cashew apple	1.6a	cashew apple
cashew nut	1.2	cashew nut
cassava	2.1b	cassava
catstail	18.1a	grass
cauliflower	2.4a	cauliflower
CCM maize	18.4	maize
celeriac	2.7	celeriac
celeriac	2.1a	celeriac
celery	2.7	celery
celery leaves	2.5e	celery leaves
celery seeds	8c	celery seeds
cepe	2.8b	edible boletus
chamomille	19b	chamomille
chard	2.5b	chard
cherimoya	1.6b	cherimoya
cherry	1.4	cherry
cherry plum	1.4	plum
cherry tomato	2.3a	tomato
chervil	2.5e	chervil
chestnut	1.2	chestnut
chickling vetch	18.3	chickling vetch
chickpea	3b	chickpea
chicory "Sugar Loaf"	2.5a	Sugar loaf
chieh tsai	2.4c	Chinese mustard
chiku	1.6c	sapodilla
chilli pepper	2.3a	pepper

English name	Group	Listed under:
Chinese anise	8c	star anise
Chinese artichoke	2.1a	Japanese artichoke
Chinese broccoli	2.4a	Chinese broccoli
Chinese cabbage	2.4c	Chinese cabbage
Chinese chives	2.5e	Chinese chives
Chinese date	1.6a	jujube
Chinese gooseberry	1.6c	kiwi
Chinese jujube	1.6a	jujube
Chinese kale	2.4a	Chinese broccoli
Chinese mustard	2.4c	Chinese mustard
Chinese persimmon	1.6a	kaki
Chinese radish	18.1d	fodder radish
Chinese rhubarb	20a	Chinese rhubarb
ching tsai	2.4c	Chinese cabbage
chinotto	1.1a	orange
chives	2.5e	chives
choco	2.3c	choco
choyote	2.3c	choco
Christophina	2.3c	choco
cinnamon	8c	cinnamon
citron	1.1b	lemon
clementine	1.1b	mandarin
climbing bean	2.6a	green bean
clove	8b	clove
clover	18.1c	clover
cocksfoot	18.1a	grass
coco plum	1.6a	coco plum
cocoa bean	10.1	cocoa bean
coconut	1.2	coconut
coffee bean	10.1	coffee bean
cole seed	4.1	oilseed rape
collard greens	2.4c	kale
collards	2.4c	kale
common bean	3a	haricot bean
common bearberry	20b	common bearberry
common buckwheat	9.1	buckwheat
common chervil	2.5e	chervil
common evening primrose	20c	evening primrose
common may-apple (roots)	20a	common may-apple
common perilla	20b	common perilla
common purslane	2.5b	purslane
common yew	20b	common yew
conical cabbage	2.4b	head cabbage
cooking banana	1.6d	plantain
cooking pear	1.3	pear
cook's truffle	2.8b	truffle
coriander leaves	2.5e	coriander leaves
coriander seeds	8c	coriander seeds
corn	9.1	maize
corn forage	18.1b	maize forage
corn salad	2.5a	lamb's lettuce
cornel cherry	1.4	cornel cherry
Cos lettuce	2.5a	lettuce
cotton seed	4.1	cotton seed
courgette	2.3b	summer squash
cowpea	3a	black-eyed pea
crab apple	1.3	apple

English name	Group	Listed under:
cranberry	1.5d	cranberry
cress	2.5a	cress
crimson clover	18.1c	clover
crinkly lettuce	2.5a	lettuce
crown gourd	2.3b	summer squash
cucumber	2.3b	cucumber
cucumber treefruit	1.6a	carambola
cuminseed	8c	cuminseed
curcuma	8a	turmeric
curled endive	2.5a	endive
curled greens	2.4c	kale
curled-leaved endive	2.5a	endive
curly kale	2.4c	kale
currant	1.5d	currant
custard apple	1.6b	custard apple
custard marrow	2.3b	summer squash
cutting lettuce	2.5a	lettuce
daikon	2.1a	radish
damson plum	1.4	plum
dandelion leaves	2.5a	dandelion leaves
Danish bluegrass	18.1a	grass
dasheen	2.1b	dasheen
date	1.6a	date
deadly nightshade	20b	deadly nightshade
deccan hemp	22	kenaf
desert date	1.6a	desert date
dewberry	1.5c	dewberry
dill leaves	2.5e	dill leaves
dill seeds	8c	dill seeds
dock	2.5e	sorrel
doorian	1.6b	durian
doum	1.6d	dum palm
dry pea	18.3	field pea
dum palm	1.6d	dum palm
durian	1.6b	durian
durum wheat	9.1	wheat
Dutch clover	18.1c	clover
dwarf banana	1.6d	banana
dwarf bean	2.6a	green bean
dwarf slicing bean	2.6a	slicing bean
early potato	5	potato
eating chestnut	1.2	chestnut
eating pear	1.3	pear
eddoe	2.1b	dasheen
edible boletus	2.8b	edible boletus
edible chestnut	1.2	chestnut
egg fruit	1.6c	canistel
egg plant	2.3a	egg plant
Egyptian clover	18.1c	clover
elderberry	1.5d	elderberry
elephant apple	1.6c	elephant apple
endive	2.5a	endive
English walnut	1.2	walnut
evening primrose	20c	evening primrose
fairy ring mushroom	2.8b	fairy ring mushroom
feijoa	1.6c	feijoa
fennel	2.7	fennel

English name	Group	Listed under:
fennel leaves	2.5e	fennel leaves
fennel seeds	19c	fennel seeds
fennel seeds	8c	fennel seeds
fenugreek leaves	2.5e	fenugreek leaves
fenugreek seeds	8c	fenugreek seeds
fenugreek sprouts	3d	fenugreek sprouts
fescue grass	18.1a	grass
fibre flax	22	fibre flax
field bean	18.3	field bean
field bean forage	18.1c	field bean forage
field pea	18.3	field pea
field salad	2.5a	lamb's lettuce
fig	1.6a	fig
filbert	1.2	filbert
flageolet	2.6b	flageolet
flax	4.1	linseed
flax seed	4.1	linseed
flint wheat	9.1	wheat
fodder beet	18.2	fodder beet
fodder carrot	18.2	carrot
fodder lupin	18.1c	sweet lupin forage
fodder radish	18.1d	fodder radish
forage maize	18.1b	maize forage
forage rape	18.1d	forage rape
foxglove	20b	foxglove
foxtail millet	9.1	millet
French bean	2.6a	green bean
fresh broad bean	2.6b	broad bean
fresh horse bean	18.1c	field bean forage
fresh marrowfat	2.6d	marrowfat
fresh tick bean	18.1c	field bean forage
gai lon	2.4a	Chinese broccoli
garden beet	2.1a	beetroot
garden cress	2.5a	cress
garden nasturtium	2.5e	garden nasturtium
garden nasturtium	8c	garden nasturtium
garden pea	2.6d	green pea
garden purslane	2.5b	purslane
garden sorrel	2.5e	sorrel
garden turnip	2.1a	turnip
garlic	2.2a	garlic
genip	1.6b	marmaladedos
genipap	1.6b	marmaladedos
German wheat	9.1	spelt
gherkin	2.3b	gherkin
ginger root	8a	ginger root
gingerbread palm	1.6d	dum palm
ginkgo nut	1.2	ginkgo nut
ginseng (roots)	20a	ginseng
glasswort	2.7	glasswort
globe artichoke	2.7	artichoke
goat pepper	2.3a	pepper
gold of pleasure	4.1	gold of pleasure
golden apple	1.6a	ambarella
golden berry	2.3a	ground cherry
Goldenseal	20a	Goldenseal
gooseberry	1.5d	gooseberry

English name	Group	Listed under:
grape leaves	2.5e	grape leaves
grapefruit	1.1a	grapefruit
grapes	1.5a	grapes
grass	18.1a	grass
great burnet	2.5e	burnet
green bean	2.6a	green bean
green cabbage	2.4b	head cabbage
green coffee	10.1	coffee bean
green gram	3a	mung bean
green pea	2.6d	green pea
green pepper	8c	pepper
green rye	18.1b	rye forage
green sapote	1.6b	sapote
green tea	6	tea
greengage plum	1.4	plum
grey pea	3b	marrowfat
ground cherry	2.3a	ground cherry
groundnut	4.1	peanut
grumichama	1.6a	pitanga
guanabana	1.6b	soursop
guava	1.6c	guava
hairy litchi	1.6c	rambutan
hard wheat	9.1	wheat
haricot bean	3a	haricot bean
hawthorn	1.5d	hawthorn
hazelnut	1.2	hazelnut
head cabbage	2.4b	head cabbage
head lettuce	2.5a	lettuce
heartsease	20b	heartsease
hedge hog	2.8b	hedge hog
hemp	22	hemp
hemp seed	4.1	hemp seed
herdgrass	18.1a	grass
highbush blueberry	1.5d	blueberry
hog plum	1.6a	hog plum
honeydew melon	2.3c	melon
hop	7	hop
hop trefoil	18.1c	hop trefoil
horn of plenty	2.8b	horn of plenty
horned cucumber	2.3c	kiwano
horse bean	18.3	field bean
horse chestnut	20c	horse chestnut
horse radish	2.1a	horse radish
hyacinth bean	3a	hyacinth bean
hybrid ryegrass	18.1a	grass
hyssop	2.5e	hyssop
icaco plum	1.6a	coco plum
iceberg lettuce	2.5a	lettuce
ilama	1.6b	ilama
Indian fig	1.6c	prickly pear
Indian gooseberry	1.6a	otaheite gooseberry
Indian jujube	1.6a	jujube
Indian mango	1.6b	mango
Indian mustard	2.4c	Chinese mustard
Indian plum	1.6a	jujube
Indian wood apple	1.6c	elephant apple
industrial chicory root	11a	industrial chicory root

English name	Group	Listed under:
Italian clover	18.1c	clover
Italian green	2.4a	broccoli
Italian ryegrass	18.1a	grass
jaboticaba	1.6a	jaboticaba
jackfruit	1.6b	jackfruit
jak	1.6b	jackfruit
Jamaica pepper	8c	allspice
jambolan	1.6a	jambolan
jambos	1.6a	Java apple
Japanese artichoke	2.1a	Japanese artichoke
Japanese medlar	1.3	loquat
Japanese persimmon	1.6a	kaki
Japanese plum	1.4	plum
Japanese radish	2.1a	radish
Japanese taro	2.1b	dasheen
Java apple	1.6a	Java apple
Java plum	1.6a	jambolan
Jerusalem artichoke	2.1a	Jerusalem artichoke
Jew's ear	2.8b	Jew's ear
jochel berry	1.5d	jochel berry
josta berry	1.5d	josta berry
Judas ear	2.8b	Jew's ear
jujube	1.6a	jujube
juniper berry	8c	juniper berry
kaai choi	2.4c	Chinese mustard
kaai laan	2.4a	Chinese broccoli
kaki	1.6a	kaki
kaki fruit	1.6a	kaki
kaki plum	1.6a	kaki
kale	2.4c	kale
kale forage	2.4c	kale
kanaf	22	kenaf
kapok seed	4.1	kapok seed
kasha	9.1	buckwheat
kechapi	1.6c	sentul
kenaf	22	kenaf
Khesari dhal	18.3	chickling vetch
kidney bean	3a	kidney bean
king mandarin	1.1b	king mandarin
kiwano	2.3c	kiwano
kiwi	1.6c	kiwi
kiwifruit	1.6c	kiwi
kohlrabi	2.4d	kohlrabi
kongkong	2.1b	tannia
kumquat	1.6a	kumquat
lablab bean	3a	hyacinth bean
lady's fingers	2.3a	okra
lamb's lettuce	2.5a	lamb's lettuce
land cress	2.5a	land cress
large-seeded lentil	3c	lentil
laurel	2.5e	bay leaves
leaf mustard	2.4c	Chinese mustard
leaves of beetroot	2.5b	leaves of beetroot
leeks	2.7	leeks
lemon	1.1b	lemon
lemon balm	19b	balm leaves
lemon balm	2.5e	balm leaves

English name	Group	Listed under:
lemon grass	8b	lemon grass
lentil	3c	lentil
lentil sprouts	3d	lentil sprouts
lettuce	2.5a	lettuce
lima bean	2.6b	lima bean
lima bean	3a	lima bean
lime	1.1b	lime
lime blossom	19b	lime blossom
linden	19b	lime blossom
linseed	4.1	linseed
liquorice roots	19a	liquorice roots
liquorice roots	8a	liquorice roots
litchi	1.6c	litchi
lobelia	20b	lobelia
locust tree	1.6a	carob
loganberry	1.5c	loganberry
longan	1.6c	longan
loquat	1.3	loquat
lotus root	2.1b	lotus root
lovage	2.5e	lovage
lovage seed	8c	lovage seed
lucerne forage	18.1c	alfalfa
lulo	1.6c	naranjilla
lupin	3c	lupin
lychee	1.6c	litchi
macadamia nut	1.2	macadamia nut
macaroni wheat	9.1	wheat
mace	8c	mace
madder	22	madder
maize	9.1	maize
maize	18.4	maize
maize forage	18.1b	maize forage
Malay apple	1.6a	Malay pomarrosa
Malay pomarrosa	1.6a	Malay pomarrosa
Malta orange	1.1a	orange
mammee apple	1.6b	mammey
mammey	1.6b	mammey
mammey sapote	1.6b	sapote
mandarin	1.1b	mandarin
mangetout pea	2.6c	mangetout pea
mango	1.6b	mango
mangostan	1.6c	mangosteen
mangosteen	1.6c	mangosteen
manioc	2.1b	cassava
maple pea	3b	marrowfat
maranta indica	2.1b	arrowroot
marjoram	2.5e	marjoram
marmaladedos	1.6b	marmaladedos
marrow	2.3c	squash
marrowfat	2.6d	marrowfat
marrowfat	3b	marrowfat
marrow-stem cabbage	18.1d	marrow-stem cabbage
marrow-stem kale	18.1d	marrow-stem cabbage
marsh samphire	2.7	glasswort
Marumi kumquat	1.6a	kumquat
mawseed	4.1	poppy seed
meadow fescue	18.1a	grass

English name	Group	Listed under:
Mediterranean mandarin	1.1b	mandarin
medlar	1.3	medlar
meliss balm	19b	balm leaves
meliss balm	2.5e	balm leaves
melon	2.3c	melon
melon pear	2.3a	pepino
midland hawthorn	1.5d	hawthorn
millet	9.1	millet
miner's lettuce	2.5b	purslane
mint	19b	mint
mint	2.5e	mint
mirabelle plum	1.4	plum
morel	2.8b	morel
mountain papaya	1.6b	babaco
mountainash	1.3	mountainash
mulberry	1.5c	mulberry
mung bean	3a	mung bean
mung bean sprouts	3d	bean sprouts
mushroom	2.8a	mushroom
musk melon	2.3c	melon
mustard seed	4.1	mustard seed
myrobolan plum	1.4	plum
myrtle-leaf orange	1.1a	orange
Nagami kumquat	1.6a	kumquat
naranjilla	1.6c	naranjilla
naseberry	1.6c	sapodilla
Nashi pear	1.3	oriental pear
natal plum	1.6a	natal plum
navel orange	1.1a	orange
navy bean	3a	haricot bean
nectarine	1.4	peach
netted melon	2.3c	melon
nettle	19b	nettle
New Zealand spinach	2.5b	New Zealand spinach
non-pungent pepper	2.3a	sweet pepper
nutmeg	8c	nutmeg
oats	9.1	oats
oil palm	4.1	palm nut
oilseed poppy	4.1	poppy seed
oilseed rape	4.1	oilseed rape
okra	2.3a	okra
olives	1.6a	olives
olives for extraction of oil	1.6a	olives
onion	2.2a	onion
oolong tea	6	tea
orache	2.5b	orache
orange	1.1a	orange
oregano	2.5e	oregano
oriental pear	1.3	oriental pear
Oriental persimmon	1.6a	kaki
otaheite apple	1.6a	ambarella
otaheite gooseberry	1.6a	otaheite gooseberry
oval kumquat	1.6a	kumquat
oxheart cabbage	2.4b	head cabbage
oyster mushroom	2.8a	oyster mushroom
pai tsai	2.4c	Chinese cabbage
pak choi	2.4c	Chinese cabbage

English name	Group	Listed under:
palm heart	2.7	palm heart
palm kernel	4.1	palm kernels
palm kernel	4.1	palm nut
palm nut	4.1	palm nut
palm oil kernel	4.1	palm nut
palm seed	4.1	palm nut
papaw	1.6b	papaya
papaya	1.6b	papaya
paprika	2.3a	sweet pepper
para nut	1.2	Brazil nut
parsley	2.5e	parsley
parsley root	2.1a	parsley root
parsnip	2.1a	parsnip
passion fruit	1.6c	passion fruit
patisson marrow	2.3b	summer squash
pattypan	2.3b	summer squash
paw-paw	1.6b	papaya
pea	3b	pea
peach	1.4	peach
peanut	4.1	peanut
pear	1.3	pear
pecan	1.2	pecan
pecan nut	1.2	pecan
Peking cabbage	2.4c	Chinese cabbage
pepino	2.3a	pepino
pepper	2.3a	pepper
pepper	8c	pepper
peppermint	19b	mint
peppermint	2.5e	mint
perennial ryegrass	18.1a	grass
perennial wallrocket	2.5e	wallrocket
Perigord truffle	2.8b	truffle
periwinkle	20b	periwinkle
perko	18.1d	perko
Persian melon	2.3c	melon
Persian walnut	1.2	walnut
pe-tsai	2.4c	Chinese cabbage
pickle	2.3b	gherkin
pigeon bean	18.3	field bean
pigeon bean	18.1c	field bean forage
pignoli	1.2	pine nut
pignolia	1.2	pine nut
pimento	8c	allspice
pine cone	1.2	pine nut
pine nut	1.2	pine nut
pineapple	1.6b	pineapple
pineapple guava	1.6c	feijoa
pinocchi	1.2	pine nut
pinon nut	1.2	pine nut
pistachio	1.2	pistachio
pistachio nut	1.2	pistachio
pitanga	1.6a	pitanga
plantain	1.6d	plantain
plum	1.4	plum
podded pea	2.6c	mangetout pea
pointed head cabbage	2.4b	head cabbage
pomarrosa	1.6a	pomarrosa

English name	Group	Listed under:
pomegranate	1.6b	pomegranate
pomelo	1.1a	pomelo
pomerac	1.6a	Malay pomarrosa
poppy seed	4.1	poppy seed
potato	5	potato
potato	18.2	potato
potato bean	2.1b	potato bean
prickly pear	1.6c	prickly pear
proso millet	9.1	millet
pulasan	1.6c	rambutan
pummelo	1.1a	pomelo
pumpkin	2.3c	squash
pumpkin musk melon	2.3c	pumpkin musk melon
pumpkin seed	4.1	pumpkin seed
pungent pepper	2.3a	pepper
purple granadilla	1.6c	passion fruit
purslane	2.5b	purslane
Queensland nut	1.2	macadamia nut
quince	1.3	quince
quinoa	9.1	quinoa
Quito orange	1.6c	naranjilla
radish	2.1a	radish
radish leaves	2.5b	radish leaves
rambutan	1.6c	rambutan
rape seed	4.1	rape seed
raspberry	1.5c	raspberry
red beet	2.1a	beetroot
red cabbage	2.4b	head cabbage
red clover	18.1c	clover
red currant	1.5d	currant
red kidney bean	3a	kidney bean
red leaved chicory	2.5a	red leaved chicory
red leaved chicory	2.5d	red leaved chicory
red pepper	2.3a	sweet pepper
rhubarb	2.7	rhubarb
rhubarb	20a	rhubarb
Rhubarb chard	2.5b	chard
rice	9.1	rice
ridged gourd	2.3c	angled loofah
rocket	2.5e	rocket
Romaine lettuce	2.5a	lettuce
rooibos	19b	rooibos
rooted parsley	2.1a	parsley root
rose apple	1.6a	Java apple
rose apple	1.6a	pomarrosa
rose hip	1.5d	rose hip
rose hip	19c	rose hip
rosemary	2.5e	rosemary
rough-stalked meadowgrass	18.1a	grass
runner bean	2.6a	runner bean
rutabaga	2.1a	swede
rye	9.1	rye
rye for green fodder	18.1b	rye forage
rye forage	18.1b	rye forage
safflower	4.1	safflower
saffron	8b	saffron
sage	19b	sage (leaves)

English name	Group	Listed under:
sage	2.5e	sage
sald burnet	2.5e	burnet
salsify	2.1a	salsify
sand pear	1.3	oriental pear
santol	1.6c	sentul
sapodilla	1.6c	sapodilla
sapodille	1.6c	sapodilla
sapota	1.6c	sapodilla
sapote	1.6b	sapote
sapote	1.6c	sapote
satsuma	1.1b	mandarin
savory	2.5e	savory
Savoy cabbage	2.4b	head cabbage
scarlet clover	18.1c	clover
scarlet runner bean	2.6a	runner bean
scarole	2.5a	endive
scorzonera	2.1a	salsify
sea aster leaves	2.5b	sea aster leaves
sea grape	1.6a	sea grape
sea sallowthorn	1.5d	buckthorn
seakale	2.7	seakale
seakale beet	2.5b	chard
seed potato	18.2	potato
sentul	1.6c	sentul
serradella	18.1c	serradella
service berry	1.5d	service berry
sesame seed	4.1	sesame seed
sesso vegetal	1.6c	akee
Seville orange	1.1a	orange
shaddock	1.1a	pomelo
shallot	2.2a	shallot
sharon fruit	1.6a	kaki
shiitake	2.8a	shiitake
shu-shu	2.3c	choco
sieva bean	2.6b	lima bean
silver skin onion	2.2a	onion
single-seed hawthorn	1.5d	hawthorn
skirret	2.1a	skirret
slicing bean	2.6a	slicing bean
small seeded broad bean	18.3	field bean
small-seeded lentil	3c	lentil
smooth-stalked meadowgrass	18.1a	grass
snap bean	2.6a	green bean
sorgho	9.1	sorghum
sorghum	9.1	sorghum
sorrel	2.5e	sorrel
sour cherry	1.4	cherry
sour orange	1.1a	orange
soursop	1.6b	soursop
soya bean sprouts	3d	bean sprouts
soya bean; soybean	4.1	soya bean
soybean	4.1	soya bean
Spanish chestnut	1.2	chestnut
Spanish lime	1.6c	Spanish lime
Spanish oysterplant	2.1a	salsify
Spanish salsify	2.1a	salsify
speckled bean	3a	haricot bean

English name	Group	Listed under:
spelt	9.1	spelt
spinach	2.5b	spinach
spring barley	9.1	barley
spring barley	18.4	barley
spring onion	2.2b	spring onion
spring rye	9.1	rye
spring wheat	9.1	wheat
spur pepper	2.3a	pepper
spurry	18.1c	spurry
squash	2.3c	squash
St. John's bread	1.6a	carob
St. Johnswort	20b	St. Johnswort
St. Johnwort	19b	St. Johnwort
star anise	8c	star anise
star apple	1.6c	star apple
star fruit	1.6a	carambola
starch potato	5	potato
store potato	5	potato
strawberry	1.5b	strawberry
strawberry peach	1.6c	kiwi
string bean	2.6a	slicing bean
stropharia; ring mushroom	2.8a	stropharia; ring mushroom
sugar apple	1.6c	sugar apple
sugar beet	11a	sugar beet
sugar cane	11b	sugar cane
Sugar loaf	2.5a	Sugar loaf
sugar pea	2.6c	mangetout pea
summer oilseed rape	4.1	oilseed rape
summer oilseed rape	18.1d	forage rape
summer savory	2.5e	savory
summer squash	2.3b	summer squash
summer truffle	2.8b	truffle
sunflower seed	4.1	sunflower seed
Surinam cherry	1.6a	pitanga
swamp blueberry	1.5d	blueberry
swede	2.1a	swede
swede rape	4.1	oilseed rape
Swedish clover	18.1c	clover
swedish turnip	2.1a	swede
sweet cherry	1.4	cherry
sweet chestnut	1.2	chestnut
sweet cicely	2.5e	sweet cicely
sweet corn	2.3d	sweet corn
sweet lime	1.1b	lime
sweet lupin forage	18.1c	sweet lupin forage
sweet marjoram	2.5e	marjoram
sweet orange	1.1a	orange
sweet pepper	2.3a	sweet pepper
sweet potato	2.1b	sweet potato
sweet sop	1.6c	sugar apple
sweet tooth	2.8b	hedge hog
sweetie	1.1a	sweetie
Swiss chard	2.5b	chard
table grapes	1.5a	grapes
table mustard	4.1	mustard seed
table olives	1.6a	olives
tai goo choi	2.4c	Chinese cabbage

English name	Group	Listed under:
tall fescue	18.1a	grass
tamarillo	1.6a	tree tomato
tamarind	8c	tamarind
tangelo	1.1a	tangelo
tangerine	1.1b	mandarin
tangor	1.1b	king mandarine
tannia	2.1b	tannia
tapioca plant	2.1b	cassava
taro	2.1b	dasheen
taro leaves	2.5e	taro leaves
tarragon	2.5e	tarragon
tea	6	tea
tea tree	20b	tea tree
teff	9.1	teff
Thai broccoli	2.4a	Chinese broccoli
thyme	19b	thyme
thyme	2.5e	thyme
timothy	18.1a	grass
tobacco	21	tobacco
tomato	2.3a	tomato
tonka bean	1.6d	tonka bean
topaz	1.1b	topaz
topinambur	2.1a	Jerusalem artichoke
tree strawberry	1.6a	arbutus berry
tree tomato	1.6a	tree tomato
triticale	9.1	triticale
truffle	2.8b	truffle
tuberous potato bean	2.1b	potato bean
tuberous yam bean	2.1b	potato bean
turmeric	8a	turmeric
turnip	18.2	turnip
turnip	2.1a	turnip
turnip cabbage	2.4d	kohlrabi
turnip greens	2.5b	turnip tops
turnip tops	2.5b	turnip tops
ugli	1.1a	ugli
ugli fruit	1.1a	ugli
valerian	19a	valerian
valerian	20a	valerian
vanilla beans	8c	vanilla beans
vanilla pods	8c	vanilla beans
vegetable spaghetti	2.3b	summer squash
vine leaves	2.5e	grape leaves
wallrocket	2.5e	wallrocket
walnut	1.2	walnut
ware potato	5	potato
water apple	1.6a	Java apple
water melon	2.3c	water melon
water rose	1.6a	Java apple
watercress	2.5c	watercress
wax gourd	2.3c	wax gourd
Welsh onion	2.2b	Welsh onion
Westerwold ryegrass	18.1a	grass
wheat	9.1	wheat
wheat	18.4	wheat
wheat forage	18.1b	wheat forage
white bean	3a	haricot bean
white cabbage	2.4b	head cabbage
white clover	18.1c	clover
white currant	1.5d	currant
white mustard	4.1	mustard seed
white pea	18.3	white pea
white sapote	1.6c	sapote
white variety of black radish	2.1a	radish
whortleberry	1.5d	bilberry
wild angelica	2.5e	angelica
wild bilberry	1.5e	wild bilberry
wild blackberry	1.5e	wild blackberry
wild chicory	2.5a	wild chicory
wild cloudberry	1.5e	wild cloudberry
wild cowberry	1.5e	wild cowberry
wild marjoram	2.5e	oregano
wild pansy	20b	heartsease
wild raspberry	1.5e	wild raspberry
wild red bilberry	1.5e	wild cowberry
wild red wortleberry	1.5e	wild cowberry
wild rice	9.1	rice
wild strawberry	1.5e	wild strawberry
wild whortleberry	1.5e	wild bilberry
willowleaf mandarin	1.1b	mandarin
Windsor bean	2.6a	runner bean
wine grapes	1.5a	grapes
winter barley	9.1	barley
winter fungus	2.8a	winter fungus
winter oilseed rape	4.1	oilseed rape
winter oilseed rape	18.1d	forage rape
winter purslane	2.5b	purslane
winter rye	9.1	rye
winter savory	2.5e	savory
winter squash	2.3c	squash
winter wheat	9.1	wheat
wintercress	2.5a	land cress
witloof	2.5d	witloof
witloof chicory	2.5d	witloof
wood apple	1.6c	elephant apple
yam	2.1b	yam
yam bean	2.1b	yam bean
yard long bean	2.6a	yard long bean
yautia	2.1b	tannia
yellow bean	3a	haricot bean
yellow gentian	20a	yellow gentian
yellow mombin	1.6a	hog plum
yellow sapote	1.6c	canistel
yellow trefoil	18.1c	hop trefoil
zucchini	2.3b	summer squash
zuchetti	2.3b	summer squash

Appendix 4 Index according to Dutch crop names

This appendix provides the Dutch name index to appendix 2.

Dutch name	Group	Listed under:
aalbes	1.5d	currant
aardappel	5	potato
aardappel	18.2	potato
aardbei	1.5b	strawberry
aardbei	1.5e	wild strawberry
aardbeispinazie	2.5b	orache
aardnoot	4.1	peanut
aardpeer	2.1a	Jerusalem artichoke
abrikoos	1.4	apricot
acerola	1.6a	acerola
adukiboon	3a	aduki bean
adukiboonkiemen	3d	bean sprouts
adzukiboon	3a	aduki bean
Afrikaanse aubergine	2.2b	egg plant
Afrikaanse stekelaugurk	2.3c	kiwano
akee	1.6c	akee
aki	1.6c	akee
akipruim	1.6c	akee
Alexandrijnse klaver	18.1c	clover
alfalfa	3d	alfalfa sprouts
amandel	1.2	almond
ambarella	1.6a	ambarella
Amerikaanse komkommer	2.3b	cucumber
Amerikaanse mammi-appel	1.6b	mammey
Amerikaanse pompoen	2.3c	squash
amsoi	2.4c	Chinese mustard
Amsterdams vet	2.5a	lamb's lettuce
Anaheim peper	2.3a	pepper
ananas	1.6b	pineapple
ananaskers	2.3a	ground cherry
Ancho peper	2.3a	pepper
andijvie	2.5a	endive
anijsplant	2.5e	anise hyssop
anijszaad	8c	anise seed
anijszaad	19c	anise seed
antroewa	2.2b	egg plant
appel	1.3	apple
appel	19c	apple
appelbanaan	1.6d	banana
appelmeloen	2.3a	pepino
arnika	20b	arnica
aronia	1.3	black chokeberry
arrowroot	2.1b	arrowroot
artisjok	2.7	artichoke
asem	8c	tamarind
asperge	2.7	asparagus
aubergine	2.2b	egg plant
augurk	2.3b	gherkin
Australische theeboom	20b	tea tree
avocado	1.6b	avocado
azarole	1.5d	azarole

Dutch name	Group	Listed under:
azerola	1.6a	acerola
Aziatische aubergine	2.2b	egg plant
Aziatische peer	1.3	oriental pear
azukiboon	3a	aduki bean
azukiboonkiemen	3d	bean sprouts
babaco	1.6b	babaco
babyananas	1.6b	pineapple
babymaïs	2.4d	sweet corn
bakbanaan	1.6d	plantain
balsampeer	2.3c	balsam pear
bamboescheuten	2.7	bamboo shoots
bamboespruiten	2.7	bamboo shoots
banaan	1.6d	banana
barbadoskers	1.6a	acerola
barbarakruid	2.5a	land cress
basilicum	2.5e	basil
basiliekruid	2.5e	basil
bastaardklaver	18.1c	clover
bataat	2.1b	sweet potato
Bataviasla	2.5a	lettuce
beemdlangbloem	18.1a	grass
beredruif	20b	common bearberry
bergamot	1.1a	orange
bergamotcitroen	1.1a	orange
bergspinazie	2.5b	orache
bergvalkruid	20b	arnica
bernagieblad	2.5e	borage leaves
bernagiezaad	20c	borage seeds
bewaaraardappel	5	potato
bieslook	2.5e	chives
biet	11a	sugar beet
biet	18.2	fodder beet
bilimbi	1.6a	carambola
bilzenkruid	20b	black henbane
bindsla	2.5a	lettuce
bio-cress	2.5a	cress
Bird's eye	2.3a	pepper
bittere augurk	2.3c	balsam pear
bittere meloen	2.3c	balsam pear
bitterkers	2.5a	cress
bittersinaasappel	1.1a	orange
blackeyepesie	3a	black-eyed pea
blad van de taroplant	2.5e	taro leaves
blad van rode bietjes	2.5b	leaves of beetroot
blad van zeeaster	2.5b	sea aster leaves
bladkool	18.1d	forage rape
bladkool	18.1d	marrow-stem cabbage
bladkool	18.1d	perko
bladpeterselie	2.5e	parsley
bladramenas	18.1d	fodder radish
bladselderij	2.5e	celery leaves

Dutch name	Group	Listed under:
blauwe bes	1.5d	blueberry
blauwe bosbes	1.5d	bilberry
blauwe morgenster	2.1a	salsify
blauwmaanzaad	4.1	poppy seed
blauwplaatstropharia	2.8a	stropharia
blauwschokker rijserwt	2.6b	marrowfat
bleekselderij	2.7	celery
bligoe idjo	2.3c	wax gourd
blimbing	1.6a	carambola
blimbing asem	1.6a	carambola
blimbing manis	1.6a	carambola
blimbing woeloeh	1.6a	carambola
bloedsinaasappel	1.1a	orange
bloemkool	2.4a	cauliflower
boekweit	9.1	buckwheat
boerenkool	2.4c	kale
boerentabak	21	tobacco
boldo	20b	boldo
boleet	2.8b	edible boletus
bonenkruid	2.5e	savory
boomaardbei	1.6a	arbutus berry
boomtomaat	1.6a	tree tomato
bosaardbei	1.5e	wild strawberry
bosbes	1.5d	bilberry
bospeen	2.1a	carrot
bosui	2.2b	spring onion
boterboon	2.6b	lima bean
boterboon	3a	lima bean
Bowles munt	2.5e	mint
boysenbes	1.5c	boysenberry
braam	1.5c	blackberry
brandnetel	19b	nettle
broccoli	2.4a	broccoli
broeivet	2.5a	lamb's lettuce
broodvrucht	1.6b	breadfruit
brouwgerst	9.1	barley
bruine boon	3a	haricot bean
bruine mosterd	4.1	mustard seed
bruin-grijze oesterzwam	2.8a	oyster mushroom
Brussels lof	2.5d	witloof
cacao	10.1	cocoa bean
cacaoboon	10.1	cocoa bean
cactusvijg	1.6c	prickly pear
cactusvrucht	1.6c	prickly pear
cainito	1.6c	star apple
callaloo	2.5e	taro leaves
Canadese anemoon	20a	Goldenseal
canistel	1.6c	canistel
cantharel	2.8b	cantharelle
carambola	1.6a	carambola
caranda	1.6a	caranda
carobe	1.6a	carob
Casabameloen	2.3c	melon
cashewappel	1.6a	cashew apple
cashewnoot	1.2	cashew nut
casimiroa	1.6c	sapote
cassave	2.1b	cassava

Dutch name	Group	Listed under:
cayenneananas	1.6b	pineapple
cayennekers	1.6a	pitanga
cayennepeper	2.3a	pepper
CCM-maïs	18.4	maize
cederappel	1.1b	lemon
cedraat	1.1b	lemon
champignon	2.8a	mushroom
champignon de Paris	2.8a	mushroom
Charentaismeloen	2.3c	melon
Charentasmeloen	2.3c	melon
chayote	2.3c	choco
cherimoya	1.6b	cherimoya
cherrytomaat	2.3a	tomato
chilipeper	2.3a	pepper
chinchayote	2.3c	choco
Chinese bieslook	2.5e	Chinese chives
Chinese bitterkomkommer	2.3c	balsam pear
Chinese broccoli	2.4a	Chinese broccoli
Chinese dadel	1.6a	jujube
Chinese kool	2.4c	Chinese cabbage
Chinese kruisbes	1.6c	kiwi
Chinese mosterd	2.4c	Chinese mustard
Chinese oker	2.3a	okra
Chinese rabarber	20a	rhubarb
Chinese zwarte paddestoel	2.8b	Jew's ear
chinotto	1.1a	orange
choko	2.3c	choco
christophine	2.3c	choco
cichorei	11a	industrial chicory root
citroen	1.1b	lemon
citroenboon	3a	haricot bean
citroengras	8b	lemon grass
citroenmelisse	2.5e	balm leaves
citroenmelisse	19b	balm leaves
clementine	1.1b	mandarin
cocktailtomaat	2.3a	tomato
collards	2.4c	kale
consumptieaardappel	5	potato
consumptieknol	2.1a	turnip
consumptieraap	2.1a	turnip
corn cob mix	18.4	maize
Cossla	2.5a	lettuce
courgette	2.3b	summersquash
cranberry	1.5d	cranberry
cresson	2.5c	watercress
crosne	2.1a	Japanese artichoke
cuisse de poullet	2.2a	shallot
curuba	1.6c	passion fruit
custardappel	1.6b	custard apple
dadel	1.6a	date
daikon	2.1a	radish
daikonkers	2.5a	cress
dauwbraam	1.5c	dewberry
deccajute	22	kenaf
dederzaad	4.1	gold of pleasure
Delicata pompoen	2.3c	squash
dessertbanaan	1.6d	banana

Dutch name	Group	Listed under:
dille	2.5e	dill leaves
dilleblad	2.5e	dill leaves
dillezaad	8c	dill seeds
djamblang	1.6a	jambolan
djamboe aer	1.6a	Java apple
djamboe aer mawar	1.6a	pomarrosa
djamboe ajer	1.6a	Java apple
djamboe bol	1.6a	Malay pomarrosa
djamboe kloetoek	1.6c	guava
djeroek	1.1b	lemon
djeroek besar	1.1a	pomelo
djeroek limo	1.1b	lime
djeroek matjan	1.1a	pomelo
djeroek nipis	1.1b	lime
djeroek petjel	1.1b	lime
djeroek sambal	1.1b	lime
djintan	8c	cuminseed
djinten	8c	cuminseed
doerian	1.6b	durian
doerian blanda	1.6b	soursop
dolkruid	20b	black henbane
dooierzwam	2.8b	cantharelle
doperwt	2.6b	green pea
dragon	2.5e	tarragon
driekleurig viooltje	20b	heartsease
droge korrelmaïs	9.1	maize
dropplant	2.5e	anise hyssop
druif	1.5a	grapes
druivenblad	2.5e	grape leaves
duindoorn	1.5d	buckthorn
duiveboon	18.1c	field bean forage
duiveboon	18.3	field bean
dum palm	1.6d	dum palm
dwergbanaan	1.6d	banana
dwergboerenkool	2.4c	kale
dwerglimoen	1.1b	lime
echte kamille	19b	chamomille
echte kervel	2.5e	chervil
echte salie	2.5e	sage
echte salie	19b	sage
echte valeriaan	19a	valerian
echte valeriaan	20a	valerian
eddo	2.1b	dasheen
eddoe	2.1b	dasheen
eekhoorntjesbrood	2.8b	edible boletus
eenjarig bonenkruid	2.5e	savory
eenstijlige meidoorn	1.5d	hawthorn
eetbare lijsterbes	1.4	mountainash
eikelkalebas	2.3c	squash
eikelpompoen	2.3c	squash
eikenbladsla	2.5a	lettuce
elfenbrood	2.8a	stropharia
Engels raaigras	18.1a	grass
Engelse pompoen	2.3c	squash
engelwortel	2.5e	angelica
enoki-take	2.8a	winter fungus
erwt	3b	pea

Dutch name	Group	Listed under:
Europese komkommer	2.3b	cucumber
ezelsoren	2.5a	lamb's lettuce
fabrieksaardappel	5	potato
feijoa	1.6c	feijoa
fenegriekblad	2.5e	fenugreek leaves
fenegriekspruiten	3d	fenugreek sprouts
fenegriekzaad	8c	fenugreek seeds
flageolet	2.6b	flageolet
fleskalebas	2.3b	bottle gourd
Florentijnse venkel	2.7	fennel
fluweelpootje	2.8a	winter fungus
foe gwa	2.3c	balsam pear
foelie	8c	mace
framboos	1.5c	raspberry
Franse sperzieboon	2.6a	green bean
frisee	2.5a	endive
fruitbanaan	1.6d	banana
Galiameloen	2.3c	melon
ganzevoet	2.5b	orache
geelwortel	8a	turmeric
gehoornde meloen	2.3c	kiwano
gekreukt groene stamerwt	2.6b	green pea
gekruist raaigras	18.1a	grass
gekruldbladige andijvie	2.5a	endive
gele boon	3a	haricot bean
gele erwt	18.3	white pea
gele gentiaan	20a	yellow gentian
gele kornoelje	1.4	cornel cherry
gele lupine	18.1c	sweet lupin forage
gele mombinpruim	1.6a	hog plum
gele mosterd	4.1	mustard seed
gele oesterzwam	2.8a	oyster mushroom
gele stekelzwam	2.8b	hedge hog
gele terong	1.6c	naranjilla
gele voederlupine	18.1c	sweet lupin forage
gember	8a	ginger root
gembermunt	2.5e	mint
gemberwortel	8a	ginger root
Gemsla	2.5a	lettuce
genipa	1.6b	marmaladedos
geribde komkommer	2.3b	cucumber
geribde luffa	2.3c	angled loofah
gerst	9.1	barley
gerst	18.4	barley
gewone kervel	2.5e	chervil
gewone teunisbloem (zaad)	20c	evening primrose
gewone vlier	1.5d	elderberry
gewone zandkool	2.5e	wallrocket
gierst	9.1	millet
gingerbread palm	1.6d	dum palm
ginkgonoot	1.2	ginkgo nut
ginseng	20a	ginseng
gladde meloen	2.3c	melon
goejave	1.6c	guava
golden banana	1.6d	banana
goudbes	2.3a	ground cherry
goyave	1.6c	guava

Dutch name	Group	Listed under:
granaatappel	1.6b	pomegranate
granadilla	1.6c	passion fruit
grapefruit	1.1a	grapefruit
gras	18.1a	grass
grauwe erwt	3b	marrowfat
groene ananas	1.6b	pineapple
groene erwt	3b	pea
groene kool	2.4b	head cabbage
groene munt	2.5e	mint
groene pepertjes	8c	pepper
groene pompoen	2.3c	squash
groene thee	6	tea
groene ui	2.2b	spring onion
groene zapote	1.6b	sapote
groenlof	2.5a	Sugar loaf
groenselderij	2.7	celery
groentepeer	2.3c	choco
grosella	1.6a	otaheite gooseberry
grotchampignon	2.8a	mushroom
grote brandnetel	19b	nettle
grote maagdenpalm	20b	periwinkle
grote pimpernel	2.5e	burnet
grote zapote	1.6b	sapote
grove bieslook	2.2b	Welsh onion
guave	1.6c	guava
haagdoorn	1.5d	hawthorn
Habanero peper	2.3a	pepper
handappel	1.3	apple
handpeer	1.3	pear
hanekam	2.8b	cantharelle
harde tarwe	9.1	wheat
haricots verts	2.6a	green bean
haver	9.1	oats
haverwortel	2.1a	salsify
hazelaar	1.2	hazelnut
hazelnoot	1.2	hazelnut
helmboon	3a	hyacinth bean
hennepzaad	4.1	hemp seed
Hollandse komkommer	2.3b	cucumber
honeydewmeloen	2.3c	melon
Hongaarse paprika	2.3a	sweet pepper
honingmeloen	2.3c	melon
hoorn van overvloed	2.8b	horn of plenty
hop	7	hop
hopklaver	18.1c	hop trefoil
hopperupsklaver	18.1c	hop trefoil
Hot Gold Spike	2.3a	pepper
houtappel	1.6c	elephant apple
Hubbard pompoen	2.3c	squash
huttentut	4.1	gold of pleasure
hysop	2.5e	hyssop
ijsbergsla	2.5a	lettuce
ijspegel	2.1a	radish
ijssla	2.5a	lettuce
ikakopruim	1.6a	coco plum
ilama	1.6b	ilama
incarnaatklaver	18.1c	clover

Dutch name	Group	Listed under:
Indiaanse tabak	20b	lobelia
Indiase jujube	1.6a	jujube
inmaakui	2.2a	onion
Italiaans raaigras	18.1a	grass
Italiaanse courgette	2.3b	bottle gourd
Italiaanse tomaat	2.3a	tomato
Italiaanse veldsla	2.5a	lamb's lettuce
Italiaanse venkel	2.7	fennel
jaboticaba	1.6a	jaboticaba
jackfruit	1.6b	jackfruit
Jalapeno peper	2.3a	pepper
jambolan	1.6a	jambolan
Japanse aardappel	2.1a	Japanese artichoke
Japanse andoorn	2.1a	Japanese artichoke
Japanse aubergine	2.2b	egg plant
Japanse kumquat	1.6a	kumquat
Japanse mispel	1.3	loquat
Japanse notenboom	1.2	ginkgo nut
Japanse peer	1.3	oriental pear
Japanse pruim	1.4	plum
Japanse wolmispel	1.3	loquat
jeneverbes	8c	juniper berry
Jersey sjalot	2.2a	shallot
Jeruzalem artisjok	2.1a	Jerusalem artichoke
jicama	2.1b	potato bean
jicama	2.1b	yam bean
jochelbes	1.5d	jochel berry
Johannesbrood	1.6a	carob
jonge groenselderij	2.7	celeriac
jonge knolselderij	2.7	celeriac
jostabes	1.5d	josta berry
judasoor	2.8b	Jew's ear
jujube	1.6a	jujube
jujula	1.6a	jujube
Kaapse kruisbes	2.3a	ground cherry
Kabocha pompoen	2.3c	squash
kaki	1.6a	kaki
kalapa	1.2	coconut
kalfsoesterzwam	2.8a	oyster mushroom
kamelle	19b	chamomille
kamille	19b	chamomille
kanariezaad	18.4	canaryseed
kaneel	8d	cinnamon
kaneelappel	1.6c	sugar apple
kaneelstokje	8d	cinnamon
kanteloepmeloen	2.3c	melon
kapokzaad	4.1	kapok seed
kappertjes	8b	caper buds
kapucijner	3b	marrowfat
kapucijnererwt	2.6b	marrowfat
kapulasan	1.6c	rambutan
kardamom	8c	cardamom
kardemom	8c	cardamom
kardemompitten	8c	cardamom
kardemomzaad	8c	cardamom
kardoen	2.7	cardoon
karmillen	19b	chamomille

Dutch name	Group	Listed under:
karwijblad	2.5e	caraway leaves
karwijzaad	8c	caraway seed
kasha	9.1	buckwheat
kastanje	1.2	chestnut
kastanje	20c	horse chestnut
kastanjechampignon	2.8a	mushroom
kastanjepompoen	2.3c	squash
katjang bado	3a	hyacinth bean
katjang hidjan	3a	mung bean
katjang idjo	3a	mung bean
katjang-idjoe-kiemen	3d	bean sprouts
katoenzaad	4.1	cotton seed
kawista	1.6c	elephant apple
kekererwt	3b	chickpea
kenaf	22	kenaf
kendongong	1.6a	ambarella
kers	1.4	cherry
kers	2.5a	cress
kerspruim	1.4	plum
kerstomaat	2.3a	tomato
kervel	2.5e	chervil
ketjapi	1.6c	sentul
ketoembar	8c	coriander seeds
kievitsboon	3a	haricot bean
kikkererwt	3b	chickpea
Kirby komkommer	2.3b	cucumber
kiwano	2.3c	kiwano
kiwi	1.6c	kiwi
klapper	1.2	coconut
klaver	18.1c	clover
kleine brandnetel	19b	nettle
kleine pimpernel	2.5e	burnet
knoflook	2.2a	garlic
knoflookbieslook	2.5e	Chinese chives
knolbieslook	2.2b	Welsh onion
knolraap	2.1a	turnip
knolselderij	2.1a	celeriac
knolselderij	2.7	celeriac
knolvenkel	2.7	fennel
koenjit	8a	turmeric
koffieboon	10.1	coffee bean
kokosnoot	1.2	coconut
komijnzaad	8c	cuminseed
komkommer	2.3b	cucumber
komkommerkruid	2.5e	borage leaves
koningskruid	2.5e	basil
koolraap	2.1a	swede
koolrabi	2.4d	kohlrabi
koolzaad	4.1	oilseed rape
koolzaad	18.1d	forage rape
korianderblad	2.5e	coriander leaves
korianderzaad	8c	coriander seeds
kousenband	2.6a	yard long bean
kriek	1.4	cherry
kroosje	1.4	plum
kroosjespruim	1.4	plum
kroot	2.1a	beetroot

Dutch name	Group	Listed under:
kropaar	18.1a	grass
kropsla	2.5a	lettuce
kruidnagel	8b	clove
kruisbes	1.5d	gooseberry
krulandijvie	2.5a	endive
krulpeterselie	2.5e	parsley
krulsla	2.5a	lettuce
kummel	8c	caraway seed
kumquat	1.6a	kumquat
kurkuma	8a	turmeric
kwadeogenbloem	19b	chamomille
kwee	1.4	quince
kweepeer	1.4	quince
kwets	1.4	plum
labae siem	2.3c	choco
lablabboon	3a	hyacinth bean
laboe	2.3c	pumpkin musk melon
laboe poetie	2.3b	bottle gourd
lambertsnoot	1.2	filbert
lamsoor	2.5b	sea aster leaves
landbouwerwt	18.3	field pea
landbouwstamboon	3a	haricot bean
lathyrus	18.3	chickling vetch
laurier	2.5e	bay leaves
laurierblad	2.5e	bay leaves
lavas	2.5e	lovage
lavaszaad	8c	lovage seed
lemmetje	1.1b	lime
lemoen	1.1b	lime
lenteui	2.2b	spring onion
lichtpaars-roze oesterzwam	2.8a	oyster mushroom
lijnzaad	4.1	linseed
Limaboon	2.6b	lima bean
Limaboon	3a	lima bean
limoen	1.1b	lime
limquat	1.1b	lime
lindebloesem	19b	lime blossom
linze	3c	lentil
linzenkiemen	3d	lentil sprouts
litchi	1.6c	litchi
lobelia	20b	lobelia
lof	2.5d	witloof
loganbes	1.5c	loganberry
lollo biondo	2.5a	lettuce
lollo rosso	2.5a	lettuce
lombok	2.3a	pepper
lombok rawit	2.3a	pepper
longan	1.6c	longan
loquat	1.3	loquat
lotuswortel	2.1b	lotus root
lulo	1.6c	naranjilla
lupine	3c	lupin
luzerne	18.1c	alfalfa
luzernespruiten	3d	alfalfa sprouts
lychee	1.6c	litchi
maaiboerenkool	2.4c	kale
macadamianoot	1.2	macadamia nut

Dutch name	Group	Listed under:
Madagascarboon	2.6b	lima bean
Madagascarboon	3a	lima bean
Madame Jeanette	2.3a	pepper
maggieplant	2.5e	lovage
maïs	9.1	maize
maïs	18.4	maize
maïskolvensilage	18.4	maize
majoraan	2.5e	marjoram
malanga	2.1b	tannia
Maleisische rozenappel	1.6a	Malay pomarrosa
Maleisische wasappel	1.6a	Malay pomarrosa
mamey zapote	1.6b	sapote
mammi-appel	1.6b	mammey
mandarijn	1.1b	mandarin
manga	1.6b	mango
mangetouts	2.6b	mangetout pea
mangga	1.6b	mango
manggis	1.6c	mangosteen
mangistan	1.6c	mangosteen
mango	1.6b	mango
mangostan	1.6c	mangosteen
maniok	2.1b	cassava
maracuja	1.6c	passion fruit
maracuya	1.6c	passion fruit
maritja	8c	pepper
marjolein	2.5e	marjoram
markisa	1.6c	passion fruit
markoesa	1.6c	passion fruit
Marumi-kumquat	1.6a	kumquat
meekrap	22	madder
megdeblommen	19b	chamomille
meidoorn	1.5d	hawthorn
meiknol	2.1a	turnip
meiraap	2.1a	turnip
melde	2.5b	orache
meloen	2.3c	melon
meloenpeer	2.3a	pepino
mergkool	18.1d	marrow-stem cabbage
mergpompoen	2.3b	summersquash
Mexicaanse aardappel	2.1b	potato bean
Mexicaanse aardappel	2.1b	yam bean
Middellandse zeemispel	1.5d	azarole
mierik	2.1a	horse radish
mierikswortel	2.1a	horse radish
mineola	1.1a	tangelo
minipaprika	2.3a	sweet pepper
mirabel	1.4	plum
mispel	1.3	medlar
MKS-maïs	18.4	maize
moerasvenkel	2.7	glasswort
moerbei	1.5c	mulberry
moesappel	1.3	apple
molsla	2.5a	dandelion leaves
morel	1.4	cherry
morielje	2.8b	morel
mosterdkers	2.5a	cress
mosterdkruid	2.5e	rocket

Dutch name	Group	Listed under:
mosterdzaad	4.1	mustard seed
Mu Ehr	2.8b	Jew's ear
muizenoor	2.8b	Jew's ear
mungboon	3a	mung bean
mungboonkiemen	3d	bean sprouts
munt	2.5e	mint
munt	19b	mint
muskaatnoot	8c	nutmeg
muskuskalebas	2.3c	pumpkin musk melon
muskuspompoen	2.3c	pumpkin musk melon
myrobalaan	1.4	plum
naam gwa	2.3c	pumpkin musk melon
nachtschade	20b	deadly nightshade
Nagami kumquat	1.6a	kumquat
nangka	1.6b	jackfruit
nashipear	1.3	oriental pear
nashipeer	1.3	oriental pear
natal pruim	1.6a	natal plum
natte korrelmaïs	18.4	maize
navelsinaasappel	1.1a	orange
navetknol	2.1a	turnip
nectarine	1.4	peach
neffel	1.3	loquat
netel	19b	nettle
netmeloen	2.3c	melon
nierboon	3a	kidney bean
Nieuwzeelandse spinazie	2.5b	New Zealand spinach
Noord-Amerikaanse persimoen	1.6c	American persimmon
nootmuskaat	8c	nutmeg
oesterplant	2.1a	salsify
oesterzwam	2.8a	oyster mushroom
ogenmeloen	2.3c	melon
oker	2.3a	okra
okkernoot	1.2	walnut
okra	2.3a	okra
olievlas	4.1	linseed
olifantsappel	1.6c	elephant apple
olijf	1.6a	olives
olijven voor olie-extractie	1.6a	olives
oolong thee	6	tea
Oostindische kers	8c	garden nasturtium
Oost-Indische kers	2.5e	garden nasturtium
opgeblazen lobelia	20b	lobelia
oregano	2.5e	oregano
orlando	1.1a	tangelo
ossenhart	1.6b	custard apple
ovale kumquat	1.6a	kumquat
overblijvend bonenkruid	2.5e	savory
oyong	2.3c	angled loofah
paardebloem	2.5a	dandelion leaves
paardeboon	18.1c	field bean forage
paardeboon	18.3	field bean
paardekastanje	20c	horse chestnut
paarse morgenster	2.1a	salsify
paksoi	2.4c	Chinese cabbage
pak-tsoi	2.4c	Chinese cabbage
pala	8c	nutmeg

Dutch name	Group	Listed under:
palmhart	2.7	palm heart
palmpit	4.1	palm nut
palmpitvlies	4.1	palm kernel
papaja	1.6b	papaya
papappel	1.6c	sapodilla
papaverzaad	4.1	poppy seed
paprika	2.3a	sweet pepper
paranoot	1.2	Brazil nut
pare	2.3c	balsam pear
Parijse worteltjes	2.1a	carrot
passievrucht	1.6c	passion fruit
pastinaak	2.1a	parsnip
pastinaakwortel	2.1a	parsnip
patisson	2.3b	summersquash
pattypan	2.3b	summersquash
pecan	1.2	pecan
pecannoot	1.2	pecan
peen	2.1a	carrot
peen	18.2	carrot
peer	1.3	pear
peerlijsterbes	1.5d	service berry
peertomaat	2.3a	tomato
peper	2.3a	pepper
peper	8c	pepper
peperkorrels	8c	pepper
pepermunt	2.5e	mint
pepermunt	19b	mint
peperwortel	2.1a	horse radish
pepino	2.3a	pepino
pequinpeper	2.3a	pepper
perigordtruffel	2.8b	truffle
perko	18.1d	perko
persimmon	1.6a	kaki
persimoen	1.6a	kaki
perzik	1.4	peach
Perzische klaver	18.1c	clover
Perzische meloen	2.3c	melon
peterselie	2.5e	parsley
petersiewortel	2.1a	parsley root
pe-tsai	2.4c	Chinese cabbage
pe-tsaikool	2.4c	Chinese cabbage
peul	2.6b	mangetout pea
peultjes	2.6b	mangetout pea
physalis	2.3a	ground cherry
picklerui	2.2a	onion
Piedmont truffel	2.8b	truffle
pijlwortel	2.1b	arrowroot
pijnappel	1.2	pine nut
pijnboompit	1.2	pine nut
pijplook	2.2b	Welsh onion
piment	8c	allspice
pimpernel	2.5e	burnet
pimpernoot	1.2	pistachio
pinda	4.1	peanut
pinksternakel	2.1a	parsnip
pisang	1.6d	banana
pisang mas	1.6d	banana

Dutch name	Group	Listed under:
pisang susu	1.6d	banana
pistache	1.2	pistachio
pistachekern	1.2	pistachio
pistachenoot	1.2	pistachio
pitahaya	1.6c	prickly pear
pitanga	1.6a	pitanga
plantui	2.2a	onion
platte champignon	2.8a	mushroom
pluimgierst	9.1	millet
pluksla	2.5a	lettuce
Poblano peper	2.3a	pepper
poe gwa	2.3b	bottle gourd
polei	2.5e	mint
pomelo	1.1a	pomelo
pomerans	1.1a	orange
pomme de truffe	5	potato
pommerak	1.6a	Java apple
pomodoritomaat	2.3a	tomato
pompelmoes	1.1a	pomelo
pompoen	2.3c	squash
pompoenpitten	4.1	pumpkin seed
pompoenzaad	4.1	pumpkin seed
pootaardappel	18.2	potato
portobello	2.8a	mushroom
postelein	2.5b	purslane
prei	2.7	leeks
prinsessenboon	2.6a	green bean
pronkboon	2.6a	runner bean
pronker	2.6a	runner bean
Provencaalse knoflook	2.2a	garlic
pruim	1.4	plum
pruimtomaat	2.3a	tomato
pulasan	1.6c	rambutan
Queenslandnoot	1.2	macadamia nut
quenepas	1.6c	Spanish lime
quinoa	9.1	quinoa
quito-tomaat	1.6c	naranjilla
raap	2.1a	turnip
raapsteel	2.5b	turnip tops
raapstelen	2.5b	turnip tops
raapzaad	4.1	rape seed
raapzaad	18.1d	perko
rabarber	2.7	rhubarb
rabarber	20a	rhubarb
radicchio rosso	2.5a	red leaved chicory
radijs	2.1a	radish
radijsblad	2.5b	radish leaves
raketsla	2.5e	rocket
ramboetan	1.6c	rambutan
ramenas	2.1a	radish
rawit	2.3a	pepper
Reine Claude	1.4	plum
rettich	2.1a	radish
reuzenpassievrucht	1.6c	passion fruit
rietzwenkgras	18.1a	grass
rijserwt	2.6b	green pea
rijspeul	2.6b	mangetout pea

Dutch name	Group	Listed under:
rijst	9.1	rice
rijstbanaan	1.6d	banana
rocambole	2.2a	garlic
rode aalbes	1.5d	currant
rode banaan	1.6d	banana
rode bes	1.5d	currant
rode biet	2.1a	beetroot
rode bietenblad	2.5b	leaves of beetroot
rode kidneyboon	3a	kidney bean
rode klaver	18.1c	clover
rode kool	2.4b	head cabbage
rode sla	2.5a	red leaved chicory
rogge	9.1	rye
Romaanse sla	2.5a	lettuce
Romaine	2.5a	lettuce
Romanesco	2.4a	cauliflower
Romatomaat	2.3a	tomato
rond groene stamerwt	2.6b	green pea
ronde groene erwt	3b	pea
ronde kumquat	1.6a	kumquat
roodlof	2.5d	red leaved chicory
rooibos	19b	rooibos
Roomse kervel	2.5e	sweet cicely
roquette	2.5e	rocket
roseval-aardappel	5	potato
rosmarijn	2.5e	rosemary
rotskraal	2.7	glasswort
rozebottel	1.5d	rose hip
rozebottel	19c	rose hip
rozemarijn	2.5e	rosemary
rozenappel	1.6a	pomarrosa
rozijnerwt	3b	marrowfat
rucola	2.5e	rocket
ruwbeemdgras	18.1a	grass
sabra	1.6c	prickly pear
saffloer	4.1	safflower
saffraan	8b	saffron
saffraankrokus	8b	saffron
salie	2.5e	sage
salie	19b	sage
santol	1.6c	sentul
sapodilla	1.6c	sapodilla
sapodillapruim	1.6c	sapodilla
sapote	1.6c	sapodilla
satsuma	1.1b	mandarin
satsumi	1.1b	mandarin
savooienkool	2.4b	head cabbage
sawo	1.6c	sapodilla
sawo doeren	1.6c	star apple
schapepootje	2.8b	hedge hog
schokker	3b	marrowfat
schorseneer	2.1a	salsify
selderijblad	2.5e	celery leaves
selderijzaad	8c	celery seeds
seminole	1.1a	tangelo
sereh	8b	lemon grass
serradella	18.1c	serradella

Dutch name	Group	Listed under:
serradelle	18.1c	serradella
Serrano peper	2.3a	pepper
sesamzaad	4.1	sesame seed
sharon	1.6a	kaki
sharonfruit	1.6a	kaki
shii-take	2.8a	shiitake
shiso-groen	2.5a	cress
shiso-rood	2.5a	cress
shushu	2.3c	choco
sim	3a	hyacinth bean
sinaasappel	1.1a	orange
Sint Janskruid	19b	St. Johnwort
Sint Janskruid	20b	St. Johnswort
sjalot	2.2a	shallot
sla	2.5a	lettuce
slaboon	2.6a	green bean
slaui	2.2b	spring onion
sluitkool	2.4b	head cabbage
snijbiet	2.5b	chard
snijbietenblad	2.5b	chard
snijboon	2.6a	slicing bean
snijmaïs	18.1b	maize forage
snijrogge	18.1b	rye forage
snijselderij	2.5e	celery leaves
snijsla	2.5a	lettuce
snijtarwe	18.1b	wheat forage
soekwa	2.3c	angled loofah
sojaboon	4.1	soya bean
sojaboonkiemen	3d	bean sprouts
sojaboonspruiten	3d	bean sprouts
sopropo	2.3c	balsam pear
sorghum	9.1	sorghum
Spaanse peper	2.3a	pepper
Spaanse reuzenknoflook	2.2a	garlic
Spaanse schorseneer	2.1a	salsify
Spaanse ui	2.2a	onion
spaghettikalebas	2.3b	summersquash
spaghettipompoen	2.3b	summersquash
spekboon	2.6a	green bean
spelt	9.1	spelt
sperzieboon	2.6a	green bean
spinazie	2.5b	spinach
spitskool	2.4b	head cabbage
spliterwt	3b	pea
splitpesie	3a	black-eyed pea
spruitjes	2.4b	Brussels sprouts
spruitkool	2.4b	Brussels sprouts
spurrie	18.1c	spurry
stamboon	2.6a	green bean
stampeul	2.6b	mangetout pea
stamsnijboon	2.6a	slicing bean
stekelmeloen	2.3c	kiwano
stengelui	2.2b	Welsh onion
steranijs	8c	star anise
sterappel	1.6c	star apple
sterkers	2.5a	cress
sterrekers	2.5a	cress

Dutch name	Group	Listed under:
stervrucht	1.6a	carambola
stokboon	2.6a	green bean
stoksnijboon	2.6a	slicing bean
stoofappel	1.3	apple
stoofpeer	1.3	pear
stoppelknol	18.2	turnip
stranddruif	1.6a	sea grape
struikboerenkool	2.4c	kale
suikerappel	1.6c	sugar apple
suikerbiet	11a	sugar beet
suikererwt	2.6b	mangetout pea
suikermaïs	2.4d	sweet corn
suikermeloen	2.3c	melon
suikerriet	11b	sugar cane
suikerwortel	2.1a	skirret
sukadecitroen	1.1b	lemon
Surinaamse kers	1.6a	pitanga
Sweet dumpling	2.3c	squash
sweetie	1.1a	sweetie
sze gwa	2.3c	angled loofah
tabak	21	tobacco
tabasco	2.3a	pepper
tafeldruiven	1.5a	grapes
tafelolijven	1.6a	olives
tah tsai	2.4c	Chinese cabbage
tahiti-appel	1.6a	ambarella
tamarillo	1.6a	tree tomato
tamarinde	8c	tamarind
tamme kastanje	1.2	chestnut
tangelo	1.1a	tangelo
tangerine	1.1b	mandarin
tapioca	2.1b	cassava
taro	2.1b	dasheen
tarwe	9.1	wheat
tarwe	18.4	wheat
tatsoi	2.4c	Chinese cabbage
tauge	3d	bean sprouts
taxusboom	20b	common yew
taxusboom	20b	common yew
teff	9.1	teff
tempel	1.1b	king mandarin
teroi	2.3c	angled loofah
teunisbloem	20c	evening primrose
Thaise aubergine	2.2b	egg plant
Thaise erwtaubergine	2.2b	egg plant
thee	6	tea
tijm	2.5e	thyme
tijm	19b	thyme
timothee	18.1a	grass
tjerme	1.6a	otaheite gooseberry
tomaat	2.3a	tomato
tongetjeszwam	2.8a	oyster mushroom
tonkaboon	1.6d	tonka bean
topaz	1.1b	topaz
topinamboer	2.1a	Jerusalem artichoke
triticale	9.1	triticale
trosbosbes	1.5d	blueberry

Dutch name	Group	Listed under:
trostomaat	2.3a	tomato
truffel	2.8b	truffle
tsiet gwa	2.3c	wax gourd
tuinboon	2.6b	broad bean
tuinkers	2.5a	cress
tuinmelde	2.5b	orache
Turkse muts	2.3c	squash
tweestijlige meidoorn	1.5d	hawthorn
ugli	1.1a	ugli
ui	2.2a	onion
uipompoen	2.3c	squash
valeriaan	19a	valerian
valeriaan	20a	valerian
vanille	8c	vanilla beans
vanillepeulen	8c	vanilla beans
vanillestokjes	8c	vanilla beans
veenbes	1.5d	cranberry
veldbeemdgras	18.1a	grass
veldboon	18.3	field bean
veldboon groenvoer	18.1c	field bean forage
veldsla	2.5a	lamb's lettuce
veldzuring	2.5e	sorrel
venkel	2.7	fennel
venkelblad	2.5e	fennel leaves
venkelgroen	2.5e	fennel leaves
venkelknol	2.7	fennel
venkelzaad	8c	fennel seeds
venkelzaad	19c	fennel seeds
verse kapucijner	2.6b	marrowfat
vertusknol	2.1a	turnip
vezelhennep	22	hemp
vezelvlas	22	fibre flax
vignaboon	3a	black-eyed pea
vijg	1.6a	fig
vingerhoedskruid	20b	foxglove
viooltje	20b	heartsease
vlas	4.1	linseed
vleestomaat	2.3a	tomato
vleugelkomkommer	2.3c	angled loofah
vlierbes	1.5d	elderberry
vochtige korrelmaïs	18.4	maize
voederbiet	18.2	fodder beet
voedererwt	19.3	field pea
voederwortel	18.2	carrot
voergerst	18.4	barley
voertarwe	18.4	wheat
voetblad	20a	common may-apple
vogelkoppeper	2.3a	pepper
vroege aardappel	5	potato
walnoot	1.2	walnut
walnootpompoen	2.3c	squash
waloeh djepan	2.3c	choco
waskalebas	2.3c	wax gourd
waspeen	2.1a	carrot
waspeper	2.3a	pepper
waspompoen	2.3c	wax gourd
waterkers	2.5c	watercress

Dutch name	Group	Listed under:
watermeloen	2.3c	water melon
weidekringzwam	2.8b	fairy ring mushroom
Westerwolds raaigras	18.1a	grass
West-Indische kers	1.6a	acerola
wierboon	18.3	field bean
wijnblad	2.5e	grape leaves
wijndruiven	1.5a	grapes
wild cloudberry	1.5e	wild cloudberry
wilde appel	1.3	apple
wilde bosbes	1.5e	wild bilberry
wilde braam	1.5e	wild blackberry
wilde cichorei	2.5a	wild chicory
wilde framboos	1.5e	wild raspberry
wilde marjolein	2.5e	oregano
wilde rijst	9.1	rice
wilde rode bosbes	1.5e	wild cowberry
wilde schorseneer	2.1a	salsify
wilde vossebes	1.5e	wild cowberry
wintergerst	9.1	barley
winterkarwij	8c	caraway seed
winterkers	2.5a	land cress
winterkoolzaad	4.1	oilseed rape
winterkoolzaad	18.1d	forage rape
winterlinde	19b	lime blossom
winterpeen	2.1a	carrot
winterpompoen	2.3c	squash
winterpostelein	2.5b	purslane
winterrogge	9.1	rye
wintertarwe	9.1	wheat
wintertarwe	18.4	wheat
witlof	2.5d	witloof
witte aalbes	1.5d	currant
witte bes	1.5d	currant
witte boon	3a	haricot bean
witte champignon	2.8a	mushroom
witte doorn	1.5d	hawthorn
witte klaver	18.1c	clover
witte kool	2.4b	head cabbage
witte meidoorn	1.5d	hawthorn
witte mosterd	4.1	mustard seed
witte ramenas	2.1a	radish
witte reuzenchampignon	2.8a	mushroom
witte schorseneer	2.1a	salsify
witte truffel	2.8b	truffle
witte zapote	1.6c	sapote
witte zomerramenas	2.1a	radish
woestijndadel	1.6a	desert date
woestijnvijg	1.6c	prickly pear
wolfskers	20b	deadly nightshade
wollig vingerhoedskruid	20b	foxglove
wolverlei	20b	arnica
wortel	2.1a	carrot
wortel	18.2	carrot
wortelcichorei	11a	industrial chicory root
wortelpeterselie	2.1a	parsley root
yam	2.1b	yam
yamboon	2.1b	potato bean

Dutch name	Group	Listed under:
yamboon	2.1b	yam bean
yamswortel	2.1b	yam
yautia	2.1b	tannia
zaaiui	2.2a	onion
zandkool	2.5e	wallrocket
zapote	1.6b	sapote
zapote	1.6c	sapote
zeeasperge	2.7	glasswort
zeedruif	1.6a	sea grape
zeekool	2.7	seakale
zeekraal	2.7	glasswort
Zespri	1.6c	kiwi
zetmeelaardappel	5	potato
zilverui	2.2a	onion
zoete aardappel	2.1b	sweet potato
zoete appel	1.3	apple
zoete kers	1.4	cherry
zoete kervel	2.5e	sweet cicely
zoete sinaasappel	1.1a	orange
zoete venkel	2.7	fennel
zoete vijfhoek	1.6a	carambola
zoethout	8a	liquorice roots
zoethout	19a	liquorice roots
zoethoutwortel	8a	liquorice roots
zoethoutwortel	19a	liquorice roots
zoetzak	1.6c	sugar apple
zomergerst	9.1	barley
zomergerst	18.4	barley
zomerkarwij	8c	caraway seed
zomerkoolzaad	4.1	oilseed rape
zomerkoolzaad	18.1d	forage rape
zomerpompoen	2.3b	summersquash
zomerpostelein	2.5b	purslane
zomerraapzaad	4.1	rape seed
zomerrogge	9.1	rye
zomertarwe	9.1	wheat
zomertarwe	18.4	wheat
zomertruffel	2.8b	truffle
zonnebloempitten	4.1	sunflower seed
zucchini	2.3b	summersquash
zuchetti	2.3b	summersquash
zulte lamsoren	2.5b	sea aster leaves
zure blimbing	1.6a	carambola
zure kers	1.4	cherry
zuring	2.5e	sorrel
zuurzak	1.6b	soursop
zwaardherik	2.5e	rocket
zwarte aalbes	1.5d	currant
zwarte appelbes	1.3	black chokeberry
zwarte bes	1.5d	currant
zwarte mosterd	4.1	mustard seed
zwarte netel	20b	common perilla
zwarte ramenas	2.1a	radish
zwarte schorseneer	2.1a	salsify
zwarte thee	6	tea
zwarte truffel	2.8b	truffle
zwarte winterramenas	2.1a	radish

Dutch name	Group	Listed under:
zwarte zapote	1.6c	sapote
zwartogenboon	3a	black-eyed pea