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Specialized Section on Standardization
of Fresh Fruit and Vegetables

Revised Standard layout for United Nations Economic Commission for Europe standards on fresh fruit and vegetables

Submitted by the secretariat

Summary

The following document is submitted to the Working Party for adoption as the revised Standard layout for United Nations Economic Commission for Europe standards on fresh fruit and vegetables.

The document is based on the document ECE/CTCS/WP.7/2021/24 adopted by the Working Party at its seventy-sixth session in 2021. It incorporates revisions agreed by the Specialized Section on Standardization of Fresh Fruit and Vegetables (GE.1) as contained in document ECE/CTCS/WP.7/GE.1/2023/15 as well as modifications agreed during the seventy-first session of GE.1 in 2023 as reflected in ECE/CTCS/WP.7/GE.1/2023/2.



Standard layout for United Nations Economic Commission for Europe standards on fresh fruit and vegetables

In the text the following conventions are used:

{text}: For text which explains the use of the Standard layout. This text does not appear in the standards.

<text>: For optional texts or text for which several alternatives exist, depending on the products.

UNECE Standard FFV-*{code of produce}*

concerning the marketing and commercial quality control of *{name of produce}*

I. Definition of produce

This standard applies to *{name of produce}* of varieties (cultivars) grown from {Latin botanical reference *in italics* followed where necessary by the author's name} to be supplied fresh to the consumer, *{name of produce}* for industrial processing being excluded.

{According to the International Code of Botanical Nomenclature the name of taxon whose rank is lower than species (e.g. variety, subspecies, form) should be followed only by the name of author of the lowest rank. Example: *Apium graveolens* L. but *Apium graveolens* var. *dulce* (Mill.) Pers. (without letter L. after *Apium graveolens*.)}

{Additional provisions concerning the definition of the produce may be included under this heading.}

II. Provisions concerning quality

The purpose of the standard is to define the quality requirements for *{name of produce}* after preparation and packaging.

However, if applied at stages following export/dispatch, products may show in relation to the requirements of the standard:

- a slight lack of freshness and turgidity
- <for products graded in classes other than the "Extra" Class, >a slight deterioration due to their development and their tendency to perish.

The holder/seller of products may not display such products or offer them for sale, or deliver or market them in any manner other than in conformity with this standard. The holder/seller shall be responsible for observing such conformity.

A. Minimum requirements

In all classes, subject to the special provisions for each class and the tolerances allowed, the *{name of produce}* must be:

- intact {depending on the nature of the produce, a deviation from the provision is allowed}
- sound; produce affected by rotting or deterioration such as to make it unfit for consumption is excluded
- clean, practically free of any visible foreign matter {with regard to traces of soil, a deviation from this provision is allowed, depending on the nature of the produce}
- practically free from pests
- <free from damage caused by pests affecting the flesh>

- <practically free from damage caused by pests>
- free of abnormal external moisture
- free of any foreign smell and/or taste.

{Additional provisions may be made for specific standards, depending on the nature of the produce.}

<The produce must be sufficiently developed, and display satisfactory ripeness, depending on the nature of the produce.>

The development and condition of the *{name of produce}* must be such as to enable them:

- to withstand transportation and handling
- to arrive in satisfactory condition at the place of destination.

B. Maturity requirements

{To be drawn up, depending on the produce.}

{For non-climacteric fruits the text should read:} “The *{name of produce}* must be sufficiently developed and display satisfactory maturity and/or ripeness.”

{For climacteric fruits the text should read:} “The development and state of maturity of the *{name of produce}* must be such as to enable them to continue their ripening process and to reach a satisfactory degree of ripeness.”

C. Classification

{Name of produce} are classified in two or three classes, as defined below:¹

(i) “Extra” Class

{Name of produce} in this class must be of superior quality. They must be characteristic of the variety and/or commercial type.

They must be:

{Provisions, depending on the nature of the produce.}

They must be free from defects, with the exception of very slight superficial defects, provided these do not affect the general appearance of the produce, the quality, the keeping quality and presentation in the package.

(ii) Class I

{Name of produce} in this class must be of good quality. They must be characteristic of the variety and/or commercial type.

They must be:

{Provisions, depending on the nature of the produce.}

¹ {For those standards where it does not appear necessary to establish a classification, only the minimum requirements apply.}

The following slight defects, however, may be allowed, provided these do not affect the general appearance of the produce, the quality, the keeping quality and presentation in the package:

- a slight defect in shape
- slight defects in colouring
- slight skin defects.

{Add additional defects allowed, depending on the nature of the produce.}

(iii) Class II

This class includes *{name of produce}* that do not qualify for inclusion in the higher classes but satisfy the minimum requirements specified above.

They must be:

{Provisions, depending on the nature of the produce.}

The following defects may be allowed, provided the *{name of produce}* retain their essential characteristics as regards the quality, the keeping quality and presentation:

- defects in shape
- defects in colouring
- skin defects.

{Add additional defects allowed, depending on the nature of the produce.}

III. Provisions concerning sizing

Size is determined by {diameter, length, weight, circumference, depending on the nature of produce}.

The minimum size shall be

<To ensure uniformity in size, the range in size between produce in the same package² shall not exceed>

<There is no sizing requirement for *{name of produce}*, variety, commercial type or class depending on the nature of produce}>.

² {Definitions: The term “packages” covers “sales packages” and “pre-packages”.

Packages are individually packaged part of a lot, including contents. The packaging is conceived so as to facilitate handling and transport of a number of sales packages or of products loose or arranged, in order to prevent damage by physical handling and transport. The package may constitute a sales package. Road, rail, ship and air containers are not considered as packages.

Sales packages are individually packaged part of a lot, including contents. The packaging of sales packages is conceived so as to constitute a sales unit to the final user or consumer at the point of purchase.}

{Add provisions on minimum and maximum sizes and size range, depending on the nature of produce, the variety, the commercial type and possibly the individual classes.}

IV. Provisions concerning tolerances

At all marketing stages, tolerances in respect of quality and size shall be allowed in each lot for produce not satisfying the requirements of the class indicated.³

A. Quality tolerances

(i) “Extra” Class

A total tolerance of 5 per cent, by number or weight, of *{name of produce}* not satisfying the requirements of the class but meeting those of Class I is allowed. Within this tolerance not more than 0.5 per cent in total may consist of produce satisfying the requirements of Class II quality.

{Add possible tolerances for individual defects, depending on the nature of the produce.}

(ii) Class I

A total tolerance of 10 per cent, by number or weight, of *{name of produce}* not satisfying the requirements of the class but meeting those of Class II is allowed. Within this tolerance not more than 1 per cent in total may consist of produce satisfying neither the requirements of Class II quality nor the minimum requirements, or of produce affected by decay.

{Add possible tolerances for individual defects, depending on the nature of the produce.}

(iii) Class II

A total tolerance of 10 per cent, by number or weight, of *{name of produce}* satisfying neither the requirements of the class nor the minimum requirements is allowed. Within this tolerance not more than 2 per cent in total may consist of produce affected by decay.

{Add possible tolerances for individual defects, depending on the nature of the produce.}

B. Size tolerances

For all classes {for individual standards, however, different provisions according to the individual classes may be laid down}: a total tolerance of 10 per cent, by number or weight, of *{name of produce}* not satisfying the requirements as regards sizing is allowed.

{Possible provisions concerning admissible limits of deviations for sized or unsized produce.}

V. Provisions concerning presentation

A. Uniformity

The contents of each package² <(or lot for produce presented in bulk in the transport vehicle)> must be uniform and contain only *{name of produce}* of the same origin, quality and size <(if sized)>.

³ A conformity check shall be made by assessing primary or composite samples. It is based on the principle of presumption that the quality of the randomly taken samples is representative of the quality of the lot. The OECD Operating Rules for Conformity Checks are recommended for application – also by operators – at the stages of dispatch as well as in wholesale and distribution centres and storerooms of food retail. <https://www.oecd.org/agriculture/fruit-vegetables/publications/oecd-fruit-and-vegetables-rules.htm>.

{In addition, for individual standards, uniformity concerning variety and/or commercial type may be laid down, depending on the nature of the produce. }

{Other possible provisions, depending on the nature of the produce. }

<However, a mixture of *{name of produce}* of distinctly different <species> <varieties> <commercial types> <colours> may be packed together in a <package> <sales package>, provided they are uniform in quality and, for each <species> <variety> <commercial type> <colour> concerned, in origin. However, in case of those mixtures uniformity in size is not required.>

{If specific requirements, including net weight limits of sales packages, are needed, they can be added within the context of individual standards. }

The visible part of the contents of the package² <(or lot for produce presented in bulk in the transport vehicle)> must be representative of the entire contents.

B. Packaging

{Name of produce} must be packed in such a way as to protect the produce properly.

The materials used inside the package² must be clean and of a quality such as to avoid causing any external or internal damage to the produce. The use of materials, particularly of paper or stamps bearing trade specifications, is allowed, provided the printing or labelling has been done with non-toxic ink or glue.

Stickers individually affixed to the produce shall be such that, when removed, they neither leave visible traces of glue nor lead to skin defects. Information lasered on single fruit should not lead to flesh or skin defects.

Packages² <(or lots for produce presented in bulk in the transport vehicle)> must be free of all foreign matter.

VI. Provisions concerning marking

Each package⁴ must bear the following particulars, in letters grouped on the same side, legibly and indelibly marked, and visible from the outside:

<For *{name of produce}* transported in bulk (direct loading into a transport vehicle) these particulars must appear on a document accompanying the goods, and attached in a visible position inside the transport vehicle.>

A. Identification

Packer and/or dispatcher/exporter:

Name and physical address (e.g. street/city/region/postal code and, if different from the country of origin, the country) or a code mark officially recognized by the national authority⁵ if the country applying such a system is listed in the UNECE Code Mark Registry.⁶ In the

⁴ These marking provisions do not apply to sales packages presented in packages bearing these particulars. However, they do apply to sales packages (pre-packages) presented individually.

⁵ The national legislation of a number of countries requires the explicit declaration of the name and address. However, in the case where a code mark is used, the reference “packer and/or dispatcher (or equivalent abbreviations)” has to be indicated in close connection with the code mark, and the code mark should be preceded by the ISO 3166 (alpha-2) country/area code of the recognizing country, if not the country of origin.

⁶ See <http://www.unece.org/trade/agr/codemarkregistry.html>.

case where there is no street address available, the physical address can be made up of the name of the farm or facility, the nearest village, town, region, and postal code; or GPS coordinates and a PO Box address together with nearest town, region and country shall be accepted as a physical address.⁷

B. Nature of produce

- Name of the produce if the contents are not visible from the outside
- <Name of the variety>

<The name of the variety can be replaced by a synonym. A trade name⁸ can only be given in addition to the variety or the synonym.>

- <Name of the variety (optional)>
- <Name of the variety. In the case of a mixture of *{name of produce}* of distinctly different varieties <species>, names of the different varieties <species>.>
- <“Mixture of *{name of produce}*”, or equivalent denomination, in the case of a mixture of distinctly different commercial types and/or colours of *{name of produce}*. If the produce is not visible from the outside, the commercial types and/or colours and the quantity of each in the package must be indicated.>

{Add name of the commercial type, depending on the nature of the produce.}

C. Origin of produce

- Country of origin⁹ and, optionally, district where grown, or national, regional or local place name.

<In the case of a mixture of distinctly different varieties <species> of *{name of produce}* of different origins, the indication of each country of origin shall appear next to the name of the variety <species> concerned.>

<In the case of a mixture of distinctly different commercial types and/or colours of *{name of produce}* of different origins, the indication of each country of origin shall appear next to the name of the commercial type and/or colour concerned.>

D. Commercial specifications

- Class
- Size <(if sized)>.

{Add other possible particulars, depending on the nature of the produce.}

E. Official control mark (optional)

⁷ Reservation by the United States of America on the use of a PO Box address, as it may not allow facility inspections or rapid intervention in case of recalls, and is not part of its national labelling requirement related to packer and/or dispatcher/exporter.

⁸ A trade name can be a trademark for which protection has been sought or obtained or any other commercial denomination.

⁹ The full or a commonly used name should be indicated.

{Depending on the nature of the produce, a list of varieties can be included as an annex.}

Annex I

<Non-Exhaustive><Exhaustive> List of *{name of produce}* Varieties

Some of the varieties listed in the following may be marketed under names for which trademark protection has been sought or obtained in one or more countries. Names believed by the United Nations to be varietal names are listed in the first column. Other names by which the United Nations believes the variety may be known are listed in the second column. Neither of these two columns is intended to include trademarks. References to known trademarks have been included in the third column for information only. The presence of any trademarks in the third column does not constitute any licence or permission to use that trademark – such licence must come directly from the trademark owner. In addition, the absence of a trademark in the third column does not constitute any indication that there is no registered/pending trademark for such a variety. For labelling requirements please refer to section VI of the standard.¹⁰

<i>Variety</i>	<i>Synonyms</i>	<i>Trademarks</i>	<i>{Other information, depending on the produce}</i>
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¹⁰ Some of the varietal names listed in the first column may indicate varieties for which patent protection has been obtained in one or more countries. Such proprietary varieties may only be produced or traded by those authorized by the patent holder to do so under an appropriate licence. The United Nations takes no position as to the validity of any such patent or the rights of any such patent holder or its licensee regarding the production or trading of any such variety.

The United Nations endeavoured to ensure that no trademark names are listed in columns 1 and 2 of the table. However, it is the responsibility of any trademark owner to notify the United Nations promptly if a trademark name has been included in the table and to provide the United Nations (see address below) with an appropriate varietal, or generic name for the variety, as well as adequate evidence ownership of any applicable patent or trademark regarding such variety so that the list can be amended. Provided that no further information is needed from the trademark holder, the Working Party on Agricultural Quality Standards will change the list accordingly at the session following receipt of the information. The United Nations takes no position as to the validity of any such trademarks or the rights of any such trademark owners or their licensees.

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{In the case of lists of varieties where only very few trademarks appear, the list may be presented in the annex as follows (inclusion of references to trade names in footnotes).}

Annex II

<Non-Exhaustive><Exhaustive> List of *{name of produce}* Varieties

Some of the varieties listed in the following may be marketed under names for which trademark protection has been sought or obtained in one or more countries. Names believed by the United Nations to be varietal names are listed in the first column. Other names by which the United Nations believes the variety may be known are listed in the second column. Neither of these two columns is intended to include trademarks. References to known trademarks have been included in footnotes for information only. The absence of a trademark in the footnotes does not constitute any indication that there is no registered/pending trademark for such a variety.¹¹

<i>Variety</i>	<i>Synonyms</i>	<i>{Other information, depending on the produce}</i>
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Variety “xyz”

Adopted 1985

Last revised 2023

¹¹ Some of the varietal names listed in the first column may indicate varieties for which patent protection has been obtained in one or more countries. Such proprietary varieties may only be produced or traded by those authorized by the patent holder to do so under an appropriate licence. The United Nations takes no position as to the validity of any such patent or the rights of any such patent holder or its licensee regarding the production or trading of any such variety.

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