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Specialized Section on Standardization of Fresh Fruit and Vegetables

Plums

Submitted by the secretariat

The following document is submitted to the Working Party for adoption as the revised UNECE Standard for Plums (FFV-29). It is prepared according to ECE/CTCS/2015/7 (part II, section A, subsection c).

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Please recycle A small graphic of a recycling symbol, consisting of three chasing arrows forming a triangle.



I. Definition of produce

This standard applies to plums of varieties (cultivars) grown from:

- *Prunus domestica* L. subsp. *domestica*
- *Prunus domestica* subsp. *insititia* (L.) C. K. Schneid.
- *Prunus domestica* subsp. *italica* (Borkh.) Gams
- *Prunus domestica* subsp. *syriaca* (Borkh.) Janch.
- *Prunus salicina* Lindl
- inter-specific hybrids derived from plums (*Prunus domestica* or *Prunus salicina*) and apricot (*Prunus armeniaca*) showing plum characteristics.

to be supplied fresh to the consumer, plums for industrial processing being excluded.

II. Provisions concerning quality

The purpose of the standard is to define the quality requirements for plums at the export-control stage after preparation and packaging.

However, if applied at stages following export, 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 plums must be:

- intact
- 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
- practically free from pests
- free from damage caused by pests affecting the flesh
- free of abnormal external moisture
- free of any foreign smell and/or taste.

The plums must be sufficiently developed and display satisfactory ripeness.

The development and condition of the plums must be such as to enable them:

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

B. Classification

Plums are classified in three classes, as defined below:

(i) "Extra" Class

Plums in this class must be of superior quality. They must be characteristic of the variety.

They must be:

- practically covered by their bloom, according to variety
- of firm flesh.

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

Plums in this class must be of good quality. They must be characteristic of the variety.

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
- a slight defect in development
- slight defects in colouring
- slight skin defects of elongated shape must not exceed in length one-third of the maximum diameter of the fruit. In particular, healed cracks may be allowed for "Golden gage" varieties¹
- other slight skin defects of which the total area affected must not exceed one-sixteenth of the whole surface.

(iii) Class II

This class includes plums that do not qualify for inclusion in the higher classes but satisfy the minimum requirements specified above.

The following defects may be allowed, provided the plums retain their essential characteristics as regards the quality, the keeping quality and presentation:

- defects in shape
- defects in development
- defects in colouring
- skin defects of which the total area affected must not exceed one-quarter of the whole surface.

¹ Definition: Gages (Green Apricots, Dauphines, Greengages) having a green skin with a yellowish sheen.

III. Provisions concerning sizing

Size is determined by the maximum diameter of the equatorial section.

The minimum sizes shall be as follows:

	Classes "Extra" and I	Class II
Large-fruited varieties ²	35 mm	30 mm
Other varieties	28 mm	25 mm
Mirabelles and Damsons	20 mm	17 mm

To ensure uniformity in size in the "Extra" Class, the range in size between produce in the same package shall not exceed 10 mm.

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.

A. Quality tolerances

(i) "Extra" Class

A total tolerance of 5 per cent, by number or weight, of plums 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.

(ii) Class I

A total tolerance of 10 per cent, by number or weight, of plums 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.

Within this tolerance of 10 per cent, not more than 2 per cent in total may consist of split and/or worm eaten fruit.

(iii) Class II

A total tolerance of 10 per cent, by number or weight, of plums 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.

Within this tolerance of 10 per cent, not more than 4 per cent in total may consist of split and/or worm-eaten fruit.

² See list annexed to this standard.

B. Size tolerances

For all classes (if sized): a total tolerance of 10 per cent, by number or weight, of plums not satisfying the requirements as regards sizing is allowed.

V. Provisions concerning presentation

A. Uniformity

The contents of each package must be uniform and contain only plums of the same origin, variety, quality and size (if sized), and for the "Extra" Class, the contents must also be uniform in colour.

However, a mixture of plums of distinctly different varieties may be packed together in a sales package, provided they are uniform in quality and, for each variety, in origin.

The visible part of the contents of the package must be representative of the entire contents.

B. Packaging

Plums must be packed in such a way as to protect the produce properly.

The materials used inside the package 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 and 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.

Packages must be free of all foreign matter.

VI. Provisions concerning marking

Each package³ must bear the following particulars, in letters grouped on the same side, legibly and indelibly marked, and visible from the outside:

A. Identification

Packer and/or dispatcher/shipper:

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 authority⁴.

³ These marking provisions do not apply to sales packages presented in packages.

⁴ 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) country/area code of the recognizing country, if not the country of origin.

B. Nature of produce

- "Plums" or, where appropriate, "plum-apricot hybrids" or an equivalent denomination 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 name⁵ can only be given in addition to the variety or the synonym.

"Mixture of plums", or equivalent denomination, in the case of a mixture of distinctly different varieties of plums. If the produce is not visible from the outside, the varieties and the quantity of each in the package must be indicated."

C. Origin of produce

- Country of origin⁶ and, optionally, district where grown, or national, regional or local place name.

In the case of a mixture of distinctly different varieties of plums of different origins, the indication of each country of origin shall appear next to the name of the variety concerned.

D. Commercial specifications

- Class
- Size (if sized) expressed in minimum and maximum diameter.

E. Official control mark (optional)

⁵ A trade name can be a trade mark for which protection has been sought or obtained or any other commercial denomination.

⁶ The full or a commonly used name should be indicated.

Annex

Lists of 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 lists is intended to include trademarks in the first two columns. 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.⁷

Non-exhaustive list of large-fruited varieties of *Prunus domestica*

<i>Variety</i>	<i>Synonyms</i>	<i>Trademarks</i>
Aleksona		
Apple		
Ariel		
Belle de Louvain	Bella di Lovanio	
Bernardina		
Bluefre	Blue Fré	

⁷ 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 license. 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. 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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<i>Variety</i>	<i>Synonyms</i>	<i>Trademarks</i>
Cacanska lepotica	Belle de Cacak, Cacaks Beauty, Cacaks Schöne	
Cacanska najbolja	Meilleure de Cacak, Cacaks Beste	
Cacanska rana	Précoce de Cacak, Cacaks Frühe	
California Blue	California Blu	
Carpatin		
Centenar		
Coe's Golden Drop		
De Fraile	Fraila	
Denniston Superb		
Edwards	Colbus	
Emma Leppermann		
Empress		
Erfdeel		
Ersinger Frühzwetsche	Ersinger	
Giant	Burbank Giant Prune	
Grand Prix	Grand Prize	
Haganta		
Hanita		
Hall		
Harris Monarch	Harris	
Heron		
Impérial Epineuse		
Janand		
Jefferson	Jefferson's Gage	
Jojo		
Jori's Plum		
Jubileum		
June Blood		
Magna Glauca		
Manns Number One		
Marjorie's Seedling		

<i>Variety</i>	<i>Synonyms</i>	<i>Trademarks</i>
Merton Gage	Merton, Mereton	
Merton Gem		
Monarch		
Monsieur hâtif	Early Orleans	
Nueva Extremadura		
Oneida		
Ontario	Ontariopflaume	
Pitestean		
Pond's Seedling		
President		
Prince Engelbert		
Prince of Wales	Prince de Galles	
Prof. Collumbien		
Prune Martin		
Queen's Crown	Cox's Emperor	
Quetsche Blanche de Létricourt	Quetsche de Létricourt	
Rausve		
Regina Claudia Mostruosa		
Regina d'Italia		
Reine-Claude d'Althan	Falso, Althans Reneklode	
Reine-Claude d'Oullin's	Oullin's Gage, Oullins Reneklode	
Seneca		
Skalve		
Staro vengrine		
Sugar Prune		
Sultan		
Swan Gage		
Topend Plus		
Topimmun Plus		
Tophit Plus		
Toptaste		

<i>Variety</i>	<i>Synonyms</i>	<i>Trademarks</i>
Tragedy		
Utility	Laxton's Utility	
Valerie		
Valor		
Vanette		
Victoria	Königin Viktoria	
Vision		
Washington		

Non-exhaustive list of large-fruited varieties of *Prunus salicina*

<i>Variety</i>	<i>Synonyms</i>	<i>Trademarks</i>
Akihime		
Allo		
Andy's Pride		
Anne Gold		
Aphrodite		
ARC PR-1		Sun Supreme TM
ARC PR-2		African Delight TM
ARC PR-3		African Pride TM
ARC PR-4		African Rose TM
August Candy		
August Majesty		
August Yummy		August Yummy®
Autumn Black		
Autumn Giant		
Autumn Pride		
Autumn Yummy		Autumn Yummy®
Awaso		
Beaut Sun		
Beauty	Beaty	
Bella di Barbiano		
Betty Anne		

<i>Variety</i>	<i>Synonyms</i>	<i>Trademarks</i>
Big Red		
Black Amber		
Black Beaut		
Black Candy		
Black Delight		
Black Egg		
Black Garabedian		
Black Gold		
Black Rosa		
Black Royal		
Black Star		
Black Sun		
Bragialla		
Brarossa		
Brave Heart		
Burbank		
Burmosa		
Calita		
Candy Beaut		
Candy Gem		
Candy Giant		
Candy Rosa		
Casselman	Kesselman	
Catalina		
Celebration		
Centenaria		
Constanza		
Crimson Glo		
Crocodile Dundee		
Damask Heart		
Del Rey Sun		
Delbarazur		

<i>Variety</i>	<i>Synonyms</i>	<i>Trademarks</i>
Dofi Sandra		
Dolar		
Earlamoon		
Earliqueen		
Eclipse		
Eldorado		
Emerald Beaut		
Eric Sun		
Extreme		
Fallette		
Florence		Ruby Crunch®
Formosa		
Fortune		
Friar		
Frontier		
Gaia		
Gavearli		
Gaviota		
Globe Sun		
Goccia d'Oro		
Golden Japan	Shiro	
Golden King		
Golden Kiss		African Pride™
Golden Plum		
Golden Plumza		
Goldsweet 4		
Grand Rosa		
Green Red		
Green Sun		
Grenadine		
Gulfbeauty		
Gulfblaze		

<i>Variety</i>	<i>Synonyms</i>	<i>Trademarks</i>
Gulfrose		
Hackman		
Harry Pickstone		
Hiromi Red		
Holiday		
HoneyDawn		
HoneyMoon		
Honey Star		
Honey Sweet 1		
Howard Sun		
Joanna Red		
Kelsey		
Lady Red		
Lady West		
Laetitia		
Lamoon		
Laroda		
Larry Ann	Larry Anne, Tegan Blue, Freedom	
Late Lamoon		
Late Red		
Late Santa Rosa		
Linda Rosa		
Luisa		
Mann		
Mariposa	Improved Satsuma, Satsuma Improved	
Mark		
Matinee		
Methley		
MGM96		
Midnight Sun		
Morettini 355	Cœur de Lion	

<i>Variety</i>	<i>Synonyms</i>	<i>Trademarks</i>
Mostert		
Narrabeen		
New Queen		
Newyorker		
Nubiana		
Obilnaja		
October Sun		
Original Sun		
Oro Miel		
Ozark Premier	Premier	
Pink Delight		
Pioneer		
Plumgiant I		
Plumsweetone		
Plumsweettwo		
Primetime		
Purple Majesty		
Queen Ann		
Queen Garnet		
Queen Rosa		
Red Beaut		
Red Candy		
Red Majesty		
Red Noble		
Red Rosa		
Red Sweet		
Redgold		
Redroy		
Redyummy		Redyummy®
Reubennel	Ruby Nel	
Royal Black		
Royal Diamond		

<i>Variety</i>	<i>Synonyms</i>	<i>Trademarks</i>
Royal Garnet		
Royal Star		
Roysum		
Rubirosa		
Ruby Blood		
Ruby Red		
Ruby Star		
Sangue di Drago		
Santa Rosa		
Sapphire		
Satsuma		
Savills Wonder		
Sensation		
September Candy		
September Yummy		September Yummy®
Serena		
Showtime		
Sierra Sweet		
Simka		
Solar Eclipse		
Songold		
Songria 10		
Songria 15		
Southern Belle		
Southern Pride		
Souvenir		
Souvenir II		
Spring Beaut		
Starking Delicious		
Stirling		
Sun Breeze		
Sun Kiss		African Pride™

<i>Variety</i>	<i>Synonyms</i>	<i>Trademarks</i>
Sundew		African Pride TM
Sunlite Nugget		
Sunrise		
Sunset		
Suplumeleven		Black Diamond ®
Suplumforty		
Suplumseventeen		
Suplumsix		Angeleno ®
Suplumthirteen		
Suplumthirtyeight		Black Giant ®
Suplumthirtyfive		Black Giant ®
Suplumthirtyfour		Red Giant ®
Suplumthirtyone		
Suplumthirtyseven		Black Giant ®
Suplumthirtysix		Black Giant TM
Suplumthirtythree		
Suplumtwelve		
Suplumtwentyeight		Black Diamond ®
Suplumtwentyfive		
Suplumtwentyfour		
Suplumtwentyone		
Suplumtwentynine		
Suplumtwentysix		
Suplumtwentythree		Black Diamond ®
Suplumtwentytwo		Black Diamond ®
Susy		
Sweet Majesty		
TC Sun		
Teak Gold		Amber Jewel TM
Te Mata Gold		
Top Black		
Tracy Sun		
Wickson		

<i>Variety</i>	<i>Synonyms</i>	<i>Trademarks</i>
Winner		
Yakima		
Yellow Sun		
Yummybeaut		Yummy®beaut
Yummycrisp		Yummy®crisp
Yummygem		Yummy®gem
Yummygiant		Yummy®giant
Yummyrosa		Yummy®rosa
Zahov		
Zaipubo		
Zairobe		Golden Globe®
Zanzi Sun		
Zehava		
Zehava Giant		

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The OECD Scheme for the Application of International Standards for Fruit and Vegetables has published an explanatory illustrated brochure on the application of this standard. The publication may be obtained from the OECD bookshop at: www.oecdbookshop.org.