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Specialized Section on Standardization of Fresh Fruit and Vegetables

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REVISION OF UNECE STANDARDS

APPLES

Note by the secretariat

This note has been prepared following the decision by the Specialized Section to present in one document the proposals on sizing by France and the European Commission (ECE/TRADE/C/WP.7/GE.1/2007/11, para. 36).

Proposals by France

III. PROVISIONS CONCERNING SIZING

Size is determined by weight.

For all varieties and classes, the minimum size is 90 g. Fruits of smaller size can be accepted only if the Brix level of the produce is equal to or greater than 11° and if the size is not smaller than 70 g.

Apples are sized by maximum weight differences between fruits in the same package either for three broad weight groups:

Weight range (g)	Difference of weight (g)
< 90	20
\geq 90 and < 240	40
≥ 240	75

or for 10 narrower groups:

Weight range (g)	Difference of weight (g)
\geq 70 and $<$ 80 (*)	10
\geq 80 and < 90 (*)	10
\geq 90 and < 110	20
\geq 110 and $<$ 135	25
≥ 135 and < 165	30
\geq 165 and $<$ 200	35
\geq 200 and $<$ 240	40
\geq 240 and $<$ 300	60
\geq 300 and <360	60
≥ 360	-

^(*) Subject to a minimum Brix level of 11°.

There is no sizing uniformity limit for Class II produce packed loose or in sales packages.

IV. PROVISIONS CONCERNING TOLERANCES

B. Size tolerances

For all classes, 10 % by number or by weight of fruits not satisfying the requirements for sizing.

In any case, the tolerance may not be extended to include produce with a size 10 g below the minimum weight.

Proposals by the European Commission

III. PROVISIONS CONCERNING SIZING

Size is determined either by maximum diameter of the equatorial section or by weight.

For all varieties and classes the minimum size is 60 mm diameter and 90 g. Fruits of a smaller size can be accepted only if the Brix level of the product is $\geq 11^{\circ}$, and the size is ≥ 50 mm or 70 g.

The difference in diameter or weight between fruit in the same package shall be limited to:

- 5 mm or 20 g for fruit of diameter (weight) < 60 mm (90 g)
- 10 mm or 40 g for fruit of diameter (weight) \geq 60 mm (90 g) and \leq [85/90 mm (240/290 g)]
- 15 mm or 75 g for fruit of diameter (weight) > [85/90 mm (240/290 g)].

There is no sizing uniformity limit for Class II fruit.

B. Size tolerances

For all classes, 10 % by number or weight of fruit not satisfying the requirements for sizing. [In any case, the tolerance may not be extended to include produce with a size:

- 5 mm below the minimum diameter, when size is determined by diameter;
- 10 g below the minimum weight, when size is determined by weight.]