

VEGETABLES

CATALOGUE

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CARROT



Carrot

Scientific name **Daucus carota**

Popular names Carrot

Botanical Family Apiaceae

Size Range from 140 mm to 260 mm

Weight Ranges from 120 to 140g per unit

Marketing Kg

Transport Box with 20 Kg

The carrot is a vegetable from the group of tuberous roots of an orange color, very rich in beta-carotene (important compound for vision) in addition to vitamins A, C, B2 and B3, it is the fourth vegetable most consumed by Brazilians and whose commercialization occurs in its original or minimally processed form.

In Brazil, the carrot culture stands out among one of the main most cultivated vegetables, with an area of approximately 25 thousand hectares, which results in an average production of more than 750 thousand tons per year, and its productivity in the high regions technology can exceed 80 tons per hectare.

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CLASSIFICATION

(Brazilian Program for the Improvement of Commercial Standards and Packaging of Vegetables)

Classification is the separation of the product by size and category. The classification of the CARROT must be done in such a way that the homogeneity of size and the identification of quality are achieved, by characterizing and quantifying the defects.

GROUPS

According to the varietal type, the carrot will be classified into 3 groups:

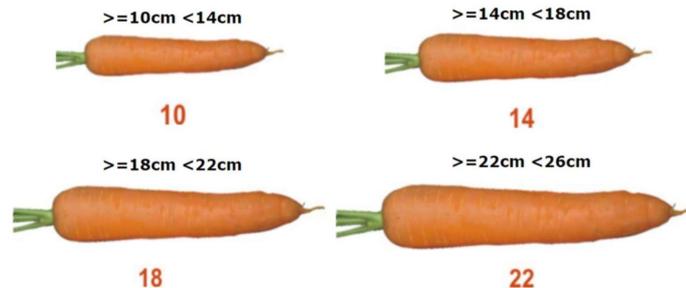
Kuroda: Conical shape, rounded tip, little evident heart, reddish orange color, small neck.

Nantes: 90% of cylindrical production, rounded tip, barely evident heart, smooth skin, dark orange color, small neck.

Brasília: Conical shape, slightly closed tip, evident heart, not smooth skin, light orange color, large neck.

CLASS

According to the root length:



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CABBAGE



Cabbage

Scientific name **Brassica oleraceae**

Popular names Cabbage

Botanical Family Brassicaceae

Weight Ranges from 1.6 kg to 2.4 kg;

Marketing Kg

Transport Box with 20 Kg

Nutritional Aspects

The raw cabbage has good amounts of vitamin A, important for the growth and formation of teeth, and C, which acts against infections. Also used to relieve constipation and other digestive diseases. In addition to being a low-calorie food (about 18 calories per 100 grams), red cabbage has hormones that assist in burning fats

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Repolho			
Variedade:	União		
Produtor:	Eduardo Yoshimi Fukano		
Endereço:	Sítio Boa Esperança		
Município:	Piedade	Estado:	SP
CEP:	18170-000		
CNPJ:	19.415.85100/R216	IP:	P-0454.101910-119
Coloração da folha:	Verde <input checked="" type="checkbox"/> Rosa <input type="checkbox"/>		
Conformação da folha:	Lisa <input type="checkbox"/> Crespa <input checked="" type="checkbox"/>		
Formato da cabeça:	Achatado <input checked="" type="checkbox"/> Redondo <input type="checkbox"/> Cônico <input type="checkbox"/>		
Localização geográfica:	23°42'52.63"S 47°25'31.86"O		
Categoria:	Extra <input checked="" type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/>		
Peso médio por cabeça:	2 kg	Nº de cabeças:	10
Data da embalagem:	25/06/2014	Peso Líquido:	20 kg
Número do lote:	L01		
 <small>(01) 978993157410018 (1) 1406251 3100 0000200 (0) L01</small>			
Produzido no Brasil			

Label

The label identifies the person responsible for the product and its origin. Labeling is mandatory and regulated by the Federal Government. The label must contain the description of the product according to the classification rules.

GS1 Brasil, the organization that manages the barcode in Brazil, coordinates the group of FLV (fruits and vegetables) with the objective of standardizing the identification of these products and implementing traceability systems to significantly improve the accuracy and speed of access to information on food production and origin. In the identification of FLV it is possible to use the GS1 Databar, much smaller than the current bar codes. It can carry, in addition to the product identification, much more information such as batch and expiration date.

Group

The group is characterized by a set of attributes that allow the grouping and differentiation of cultivars. These being: head shapes, leaf coloring and leaf conformation.

Class

The size of the cabbage is characterized by the average weight of the heads in the package. The guarantee of its visual homogeneity does not allow a variation greater than 20%, between the average weight and that of the largest and smallest head in the packaging. The label should state the average weight and the number of heads on the package. Thus, in a box with 10 cabbages with an average weight of 2 kilograms per unit, the smallest cabbage can be at least 1.6 kilograms and the largest cabbage at most 2.4 kilograms.

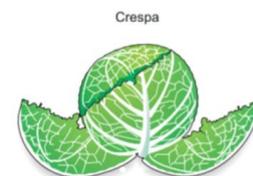
Category

Defects, their severity and frequency characterize quality. Defects can be serious, variable and mild. They are serious defects: rot, defect in maturation and presence of living organisms, visible to the naked eye. Variable defects that can be, depending on their intensity, severe or mild. Mild defects are: mechanical damage, formation defect and injury. The preparation defect is only considered mild

Format of the Head



Sheet Conformation



Leaf Coloring





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C O R N



Corn



Scientific name **Zea. Mays L.**

Popular names Green corn (cob)

Botanical Family Poaceae

Size Average from 8.0 cm to 10 cm

Diameter Varies 4.0 cm to 6.0 cm

Weight Ranges from 180 g to 250 g

Marketing Transport

Transport Box with 40 units

Pure corn or as an ingredient in other products, is an important energy source for man. Unlike wheat and rice, which are refined during their industrialization processes, corn conserves its bark, which is rich in fiber. In addition to fiber, corn kernels are made up of carbohydrates, proteins and B vitamins. They have good caloric potential, and are made up of large amounts of sugars and fats. Corn contains several minerals such as iron, phosphorus, potassium and zinc.



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POTATO



Potato

Scientific name **Solanum tuberosum**

Popular names Potato

Botanical Family Solanaceae;

Size Transverse diameter varies from 33 mm to 85 mm;

Weight On average 250 grams;

Marketing Kg

Transport 50 Kg Bag

Nutritional Aspects

The potato is a starchy food, basically energetic and rich with proteins and minerals. It consists of about 80% water (depending on the cultivar), followed by carbohydrates (approximately 16%), proteins (2%), fibers and salts.

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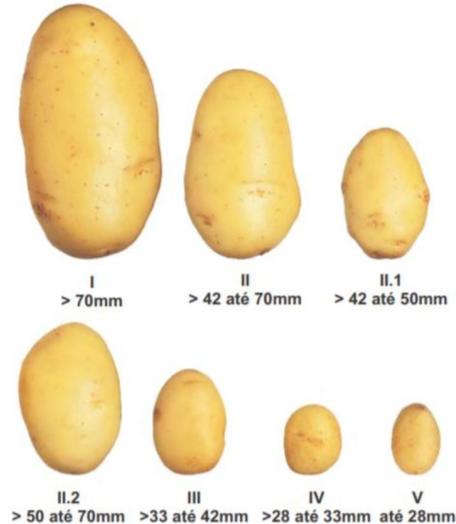


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Group (Variety)

The potato group will be established by its varieties, which must obey the characteristics of the shape, skin color and flesh color of each cultivar.

Class (Caliber)





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BEETROOT



Beetroot

Scientific name **Beta vulgaris**

Popular names Beetroot

Botanical Family Chenopodiaceae

Size Diameter from 5 to 8 cm

Weight Ranges from 250 to 350g

Marketing Wooden box with 18 kg, cardboard and 20 kg bag

Nutritional Aspects

Packed with essential nutrients, beetroots are a great source of fiber, folate (vitamin B9), manganese, potassium, iron, and vitamin C. Beetroots and beetroot juice have been associated with numerous health benefits, including improved blood flow, lower blood pressure, and increased exercise performance.

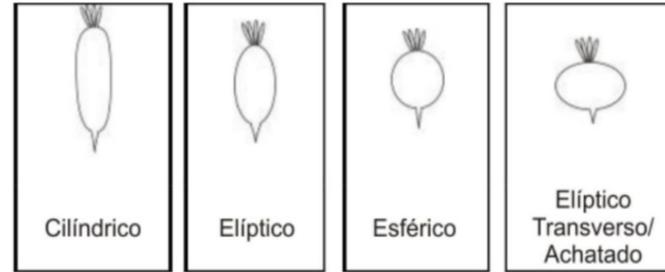
CLASSIFICATION

(Brazilian Program for the Modernization of Horticulture)

The objective is to separate the product into homogeneous lots and to describe it with measurable characteristics, in compliance with a minimum quality standard. Size and quality are characterized separately. The beet lot is characterized by the shape of the root (group), the color of the pulp (subgroup), the size of the root (class) and the incidence of defects (category). beet following this standardization:

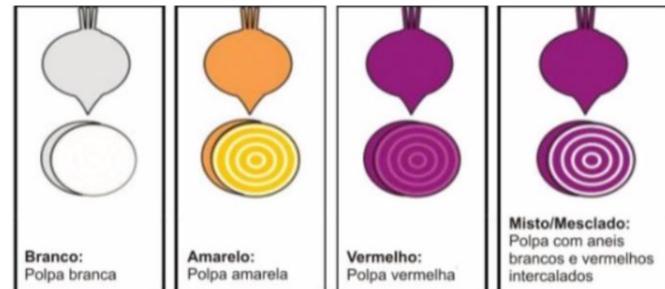
Group

The differentiation of the beet varietal groups is made by their shape (group) and color of the pulp (subgroup).



Subgroup

The flesh color.



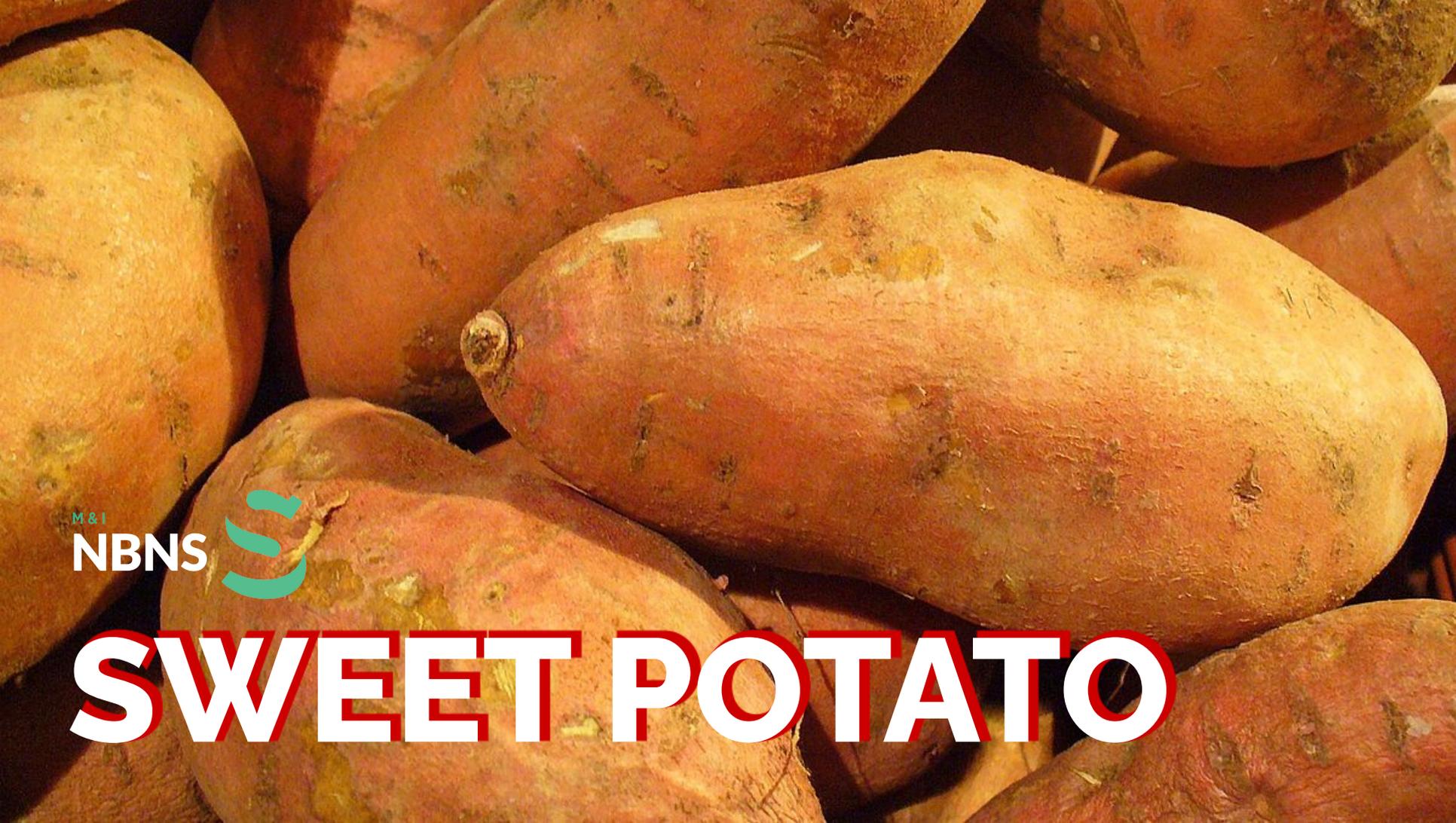
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SWEET POTATO



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Sweet Potato

Scientific name *Ipomoea potatoes*

Popular names Sweet Potato

Botanical Family Convolvulaceae

Size Diameter between 5 and 8 cm and length between 12 and 16 cm

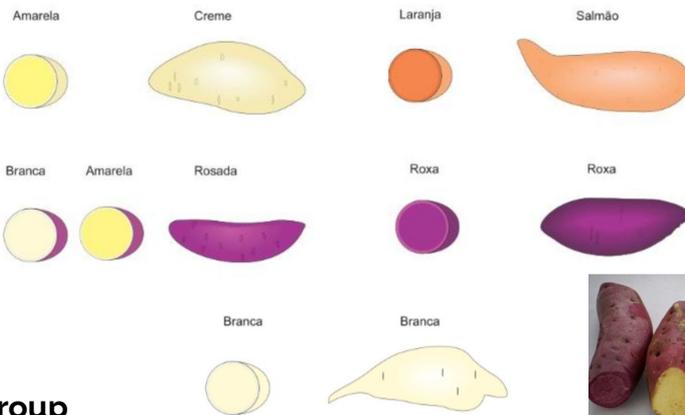
Weight From 150 to 450 grams

Marketing Box or bag with 20 kg

Nutritional Aspects

Sweet potato is an energy food that has about 30% dry matter that contains an average of 85% carbohydrates, the main component of which is starch. Compared to other starchy vegetable structures, it has a higher content of dry matter, carbohydrates, lipids, calcium and fibers than potatoes, more carbohydrates and lipids than Yams and more protein than cassava. Coupled with the supply of vitamins, especially those from groups A and B, it becomes an important food supplement

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Group

(Organization of cultivars)
The attributes that characterize the sweet potato varietal grouping are skin color and flesh color.

Class

(Characterization and size homogeneity)
The size of the sweet potato is characterized by the average weight of the units in the package. The difference% of the weights of the largest and the smallest roots, in relation to the average weight of the roots in the package, cannot exceed 25%. Thus, in a box with a net weight of 20 kilos, containing 50 units and an average weight per unit of 400 grams - the smallest sweet potato should have a minimum of 300 grams and the largest sweet potato, a maximum of 500 grams. The label should state, the average weight and the number of roots on the package.

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PUMPKIN



Pumpkin

Scientific name **Cucurbita moschata**

Popular names Pumpkin Jacarezinho

Botanical Family Cucurbitaceae

Size Ranges from 25.0 cm to 40.0 cm in length

Diameter Ranges 10.0 cm to 13.0 cm

Weight Ranges from 2 kg to 4 kg

Marketing Kg

Transport Box with 20 Kg



In addition to being a delicious food, pumpkin is also a source of various nutrients. It is rich in vitamin A, B vitamins, calcium, phosphorus and is a low-calorie fruit. It is considered a fruit with medicinal properties indicated to fight inflammation of the urinary tract, infections of the kidneys, inflammation of the liver and spleen, in addition to being vermifugal, stomatal, anti-feverish, hepatic and widely used to fight nausea.

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GINGER

Scientific name **Zingiber officinale**

Popular names Ginger

Botanical Family Zingiberaceae

Size 100g - 150g/150g - 200g/200g - 250g/250g - to more

Diameter Varies

Marketing Kg

Transport Box with 20 Kg

Ginger was used by various ancient cultures to alleviate some ailments and as an ingredient in their food. Currently it is widely used as a seasoning. In addition, it can be used to make teas, extracts or juices with other fruits and vegetables. Its consumption is increasing among vegetarians due to its growing popularity because of a higher awareness of the products health benefits.



Ginger



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