

DIETARY GIRASOL CULTIVAR AS MULTIFUNCTIONAL MATERIAL FOR VEGETABLE GROWING

Areas of Application

The cultivar can be used in food industry as an alternative to traditional vegetable counterparts and in pharmaceutical industry and dietology as natural source of inulin, vitamins and other important bioactive compounds healing the human body

Specification

The cultivar is a perennial highly productive plant. The tubers are formed on truncated underground shoots, each plant having 20–25 pieces. They are pink colored and have a spherical or elongated-oval shape. The weight of one tuber is about 120 g, the yield is 45.0 t/ha. The cultivar is undemanding with respect to soils and growing conditions, resistant to downy mildew, and easy to overwinter. The plant is propagated by tubers, the rate of tuber planting is 1.0 t/ha. In the case of cultivation as food source, the cultivar is reseeded every 2 years to avoid reducing the tuber size. The *Dietary* cultivar bred at the NBG is recorded in the State Register of Plants Varieties of Ukraine



Girasol, *Dietary* cultivar

Stage of Development. Suggestions for Commercialization

IRL3, TRL6
Propagation of original planting material and recommendations on cultivation can be provided upon request

Advantages

The bulbs of this cultivar contain dry substance 20.6%, protein 3.2%, minerals 1.1%, and carbohydrates 18.6%. As compared with other representatives of this group, the tubers of this cultivar are good for balanced nutrition due to a relatively high content of inulin

IPR Protection

IPR1, IPR2

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