

## **Breeding of Confectionery Sunflower Varieties in VNIIMK**

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### **Abstract**

During the last five years, the production of confectionery sunflower in Russia was about one million hectares annually. This is about 12% of the total area of sunflower production. Large-seeded open pollinated confectionery varieties are mainly grown in commercial fields in Russia. From a botanical point of view, the achenes of these OP varieties are of an intermediate type between confectionery and oilseed hybrids. The weight of thousand achenes of these varieties is 100-120 grams; the oil content is 45-47%, and the hull content 28-30% at a plant density of 40 thousand plants per hectare. VNIIMK (Krasnodar) breeding varieties belong to the maturity group with 110 to 120 day vegetation period. New directions of breeding of confectionery varieties are associated with the development of high-oleic, imidazolinone and tribenuron-methyl resistant genotypes.

**Key words:** confection sunflower, achenes, oil, hull, variety

## VNIIMK 食葵品种的选育

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### 摘要

近 5 年来，俄罗斯食葵的种植面积每年约为 100 万公顷，占向日葵种植面积的 12%。大籽粒开放式授粉食葵品种目前在俄罗斯主要是商业种植。从植物学的角度来看，这些开放授粉品种的瘦果为介于食葵和油葵之间的中间类型。在种植密度为每公顷 4 万株情况下，品种的千粒重为 100-120 克，含油量在 45-47%之间，果壳比例为 28-30%。VNIIMK 培育的品种属于不同的成熟区，营养生长从 110 天-120 天。食葵选育的新方向是培育高油酸、含有抗咪唑啉酮类与抗苯磺隆类的品系。

**关键词：**瘦果；向日葵；油；果壳；品种