HELIOS AMARANTH CULTIVAR

Areas of Application

Recommended for complex use:
Amaranth seeds are notable for the best quality and quantity of protein, contain valuable oil, squalene and other biologically active substances; it is a raw material for food, pharmaceutical, and cosmetic industries. Young plants are used as a vegetable.

Overground biomass is a valuable feed for farm animals and a drug raw material. While flowering, the cultivar is highly productive source of pollen for honey bees. Can be used as ornamental plant

Specification

The variety has large, orange blossom clusters and big, oval, orange-green leaves. Seed is light-colored. The cultivar is recorded in the State Register of Plant Varieties of Ukraine.

Plant height, cm Seed yield, t/ha	200 - 220 $0.9 - 1.0$
Yield of green mass	
during budding, t/ha	100 - 110
Seeds reach maturation, days	100 - 110
Oil content in seeds, %	6.26
Squalene content in oil, %	10

Advantages

The cultivar is resistant to drought, diseases, and drowning. It has a higher content of squalene in oil and a higher productivity as compared with counterparts

Stage of Development. Suggestions for Commercialization

IRL3, TRL3

The cultivar can be used for industrial production under the license agreement. The seeds and recommendations on plant cultivation are provided



Amaranth, Helios cultivar, fruiting phase



Amaranth, Helios cultivar, budding phase



Amaranth, Helios cultivar, seeds

IPR Protection

IPR3

Contact Information

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