

## **SELECTION OF HYBRIDS OF CUCUMBER FOR GROWING IN THE OPEN FIELD IN LEFT-BANK FOREST STEPPE OF UKRAINE**

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*Deals with the results of the study of zoned and promising hybrid for cultivation without irrigation in the left bank steppes of Ukraine in 2008-2011.*

***Cucumber, hybrid, Nugget, Annette, Eureka, Phoenix-640, Svitozar, dynamics, yield, nitrates***

In the forest-steppe during the growing cucumbers without irrigation to introduce best hybrids Annette, D3's Phoenix-640, LP-1's D96a that are resistant to pathogens fungal diseases and intensive form high-quality fruit. The yield of cucumber hybrids detected within 24,6-27,9 t / ha.

The temperature regime of air and soil at planting time was favorable, which allowed to obtain general germination of cucumber plants for 6-7 hours. Soil moisture at the beginning of the growing season provides intensive plant growth and development. The appearance of the third sheet is fixed to 18-20 hours of the onset of the common stair, and flowering at 25-27 hours. First performed in collecting fruits of technical maturity, depending on the hybrid. Thus, hybrids and Annette Eureka formed the first fruit on day 35, and Nugget, Svetozar, D3 x Phoenix 640 and PL-1 D96a x 40. Collection of fruits served a day in July, and partly in August. In 2010, the last harvest of fruit cucumber completed on August 11. In the phase of mass flowering plants cucumber hybrid Nugget formed part of the vegetative mass of 525 g, hybrid Eureka - 715 g, and the D3's Phoenix 640 - 765, the length of the main stem in most hybrids fixed within 55-63 cm. Is significantly different hybrid plants D3 x 640 Phoenix, which had a length of 67 cm stems that more control plants 11 cm. It should be noted that this hybrid formed the largest mass of leaves, total length of the lateral shoots and leaves the area. During the period of BIOMET-Dimension leaf area of plants hybrid D3 x 640 Dosya Phoenix-HVA 7223 cm<sup>2</sup>, and a hybrid control plants Nugget 5171 cm<sup>2</sup>.

Dynamics of production of cucumber suggests that most hybrids gradually increase the weight of fruits until mid-July.

The yield for the period 2008-2011 show that in the mid-m four years studying plants cucumber hybrid Nugget got the yield of 18.4 t/ha.

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