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ANALYSIS OF SEEDING PEAS (PISUM SATIVUM) IN ODESSA REGION

У статті подано аналіз динаміки планового обсягу виробництва насіння гороху посівного в Одеській області за останні 2 роки у розрізі сортів.

Ключові слова : *горох, сорт, Одеська область, насінництво.*

The article presents an analysis of the dynamics of the planned production of pea seeds in the Odessa region for the last 2 years in terms of varieties.

Keywords: *peas, variety, Odesa region, seed production.*

Peas are one of the most important legumes in the world. Pea grain contains from 16 to 36% of protein, which is complete in amino acid composition and is digested 1.5 times better than wheat protein. Flour and pea meal are used as an important concentrated feed, 1 kg of which contains 1.17 feed units and 180-240 grams of digestible protein. Due to the high content of protein in green mass, hay, silage and pea straw, it is indispensable in the diet of farm animals.

According to the State Statistics Service of Ukraine, the sown area under this high-protein crop decreased by 93.6% compared to 2019 and in 2020 amounted to 237.7 thousand hectares.

Among the southern regions of Ukraine, Odesa is the leader in the sown area of peas, but seed production here does not meet the needs of grain producers.

The aim of the article is to analyze the dynamics of the planned volume of pea seed production in the Odesa region over the past two years in terms of varieties.

After analyzing the State Registers of Seed and Nursery for 2019-2020, it was found that the production of pea seeds in the Odesa region has increased from 335 to 846.5 tons, but the range of varieties has decreased. Thus, in 2019 it was planned to produce seeds of six varieties (Cruise, NS Frost, World, Gambit, Gift of the Steppe, Pier), and in 2020 - only 3 (Cruise, Type and Gambit).

Cruise variety, the applicant of which is the Breeding and Genetic Institute - National Center for Seed Science and Variety Studies, was included in the State Register of Plant Varieties of Ukraine in 2018. This variety in a short period took the largest sown area in the Odesa region, the planned seed production of which compared to 2019 increased by 63.3% and is 496, 5 tons. Production of pea seeds of sowing variety Type in 2020 was planned in the amount of 320 tons, which is 37.8% of the total number of seeds produced in the region. This variety of Czech selection was registered in Ukraine in 2017 by the owner SELGEN A.S.

The third place in terms of seed production (30 tons) is occupied by the Gambit variety (selegen AS). All varieties of peas grown for seed in the region are recommended for cultivation in the steppe zone of Ukraine. It is determined that out of the total amount of pea seeds produced in Odesa region for 2020 - 685 tons (80.6%) belong to the category of CH and 164 tons (19.4%) to the category of BN.

It is established that in 2020 the sown area of peas in the Odesa region amounted to 23.8 thousand hectares, ie the need for seeds averaged to 6000t.

Thus, we can conclude that the production of pea seeds in the Odesa region meets the needs of producers only by 12, 2%. The largest share of seed production

(58.7%) in the region is the Cruise variety of domestic selection.

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FEATURES OF AGRO-TECHNICAL METHODS OF GROWING SAFFLOWER DYE IN THE CONDITIONS OF SOUTHERN REGION OF UKRAINE

У статті подано біологічні особливості та особливості вирощування сафлору красильного в умовах південного степу України. Вказано перелік проблем в процесі вирощування сафлору та його використання в народному господарстві. Надано рекомендації щодо покращення умов вирощування та збільшення рівня врожайності.

Ключові слова: сафлор красильний, чортополох, технологія вирощування, Азія, пряме комбайнування, сімба, збирання.

The article presents the biological features of growing safflower dye in the conditions of the southern steppe of Ukraine. The list of problems in the process of