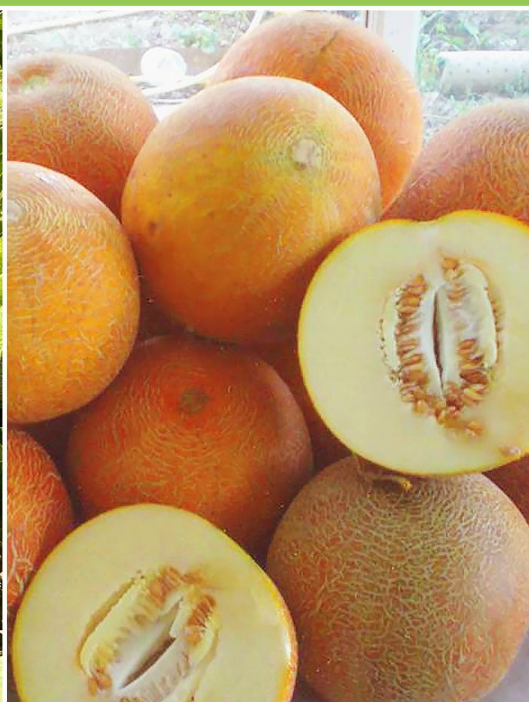


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Description: The present research aimed to determine the factors affecting the yield and quality of local melon cultivars and to achieve its sustainable production and reliable provision of the population with dietary and high vitamin food in Southeast Kazakhstan. The sandy loamy gray soils of pre-mountain-steppe zone of the Southeast Kazakhstan were found to be the most favorable for growth and development of the melon plants. In soils with heavy mechanical composition, the quantitative and qualitative parameters of Central Asian melon cultivars were sharply decreased in comparison with soils with light mechanical composition. The most optimal established sowing dates were I and II decades of May. Information regarding the present investigations can be found in the research manuscript of Taishibayeva *et al.* (2025). Taishibayeva E, Mamyrbekov J, Makhmadjanov S, Nussupova A, Nurbayeva E, Ibragimova G, Manabayeva U, Aitbayeva A, Jantassova A, Zorzhanov B (2025). Effect of soil, environmental conditions, and agrotechnical practices on the yield and quality of melon (*Cucumis melo* L.) in Southeast Kazakhstan. *SABRAO J. Breed. Genet.* 57(4): 1699-1707. <http://doi.org/10.54910/sabrao2025.57.4.36>.

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