

11. Graduate Model

	6B08103	7M08103	8D08103
Be able to:	<ul style="list-style-type: none"> - carry out pre-sowing preparation of vegetable and fruit crop seeds depending on the shelf life of the seed material, biological characteristics of the crop; - grow high-quality seedlings of vegetable crops and high-quality planting material of fruit and berry crops; - calculate the optimal feeding area of vegetable, berry, fruit crops depending on the variety, breed, morphological characteristics of the grown plants; - care for vegetable crops and fruit plantations; - form the crown of trees depending on the type of rootstock; - analyze the results of laboratory studies of the chemical composition of vegetables and fruit and berry crops 	<ul style="list-style-type: none"> - plan and organize scientific research; - use knowledge of fundamental sciences to solve specific research, information retrieval, and methodological problems; - perform organizational and technical work on the production of horticultural crops; - carry out work on the application of new technologies, the latest varieties of horticultural and fruit crops; - develop technologies for improving and increasing the yield of horticultural and fruit crops; - work with modern means of computing, office equipment, communications, and communications. - determine the modes and periods of storage of products and planting material; 	<ul style="list-style-type: none"> - test and implement progressive technological methods that allow obtaining high yields of fruit, berry, vegetable, melon crops and high-quality grapes, organize storage, processing and marketing of products for farms and other fruit and vegetable growing enterprises taking into account their land and soil-climatic resources; - draw up technological maps for the cultivation of fruit and vegetable crops and grapes with the introduction of elements of innovative technology; - calculate the need of farms for seeds, fertilizers, pesticides, fuel and lubricants, agricultural machinery and tools; - regulate agricultural machinery, equipment; - establish the norm and timing of sowing seeds and planting material of vegetable crops, fertilizers, pesticides, irrigation rates, etc.; - test and implement progressive technological methods that allow obtaining high yields of fruit, berry, vegetable, melon crops and high-quality grapes, organize storage, processing and marketing of products for farms and other fruit and vegetable growing enterprises taking into account their land and soil-climatic resources; - draw up technological maps for the cultivation of fruit and vegetable crops and grapes with the introduction of elements of innovative technology; - calculate the need of farms for seeds, fertilizers, pesticides, fuel and lubricants, agricultural machinery and tools; - regulate agricultural machinery, equipment; - establish the norm and timing of sowing seeds and planting material of vegetable crops, fertilizers, pesticides, irrigation rates, etc.; - organize correct and timely post-harvest commercial processing

			-assessment of the phytosanitary condition of fields and forecasting. -knowledge of corporate ethics, negotiation techniques, and basics of business communication. -familiarity with international and domestic standards, regulations, industry development plans, directives, orders from higher authorities, as well as the methodological and normative requirements of the Constitution of the Republic of Kazakhstan and legislation related to horticulture. -addressing issues related to the organization of fruit, vegetable, and grape production, as well as understanding the qualitative and quantitative characteristics of domestic and foreign product samples
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