



PROCESS FOR CULTIVATING PLUM TREES

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APPLICATION FIELDS: Agriculture and Food Industry

AIM: The invention relates to agriculture, in particular to horticulture, and can be used to increase the harvest, the quality and the storage capacity of fruit, as well as the reduction of the process of dehydration of the fruits of autumn plum varieties during the storage period.

SOLUTION: The essence of the invention consists in treating the plum trees (after the fall of the juvenile fruits) during the vegetation period with the biologically active substance Reglalg - 0,05%, the microelements B, Zn, Mn, Mo - 0,05% and in the pre-harvest phase (August) with 0,1% CaCl_2 , at the rate of 800-1000 l/ha.

	Stanley variety Variants /Storage methods	Fruits standard, %	Tissue dehydration, %	Degree of damage with <i>Botrytis cinerea</i> Pers, %
Experimental lots	Treatments: m.e.+ CaCl_2 +Reglalg / Fitomag - NA	97,67	6,72	2,33
	Control: untreated / Fitomag - NA	93,50	6,96	6,50
	Standard: Control: untreated / Normal atmosphere (NA)	88,50	7,32	11,50
	LSD, 5%	1,62	0,09	1,62



ADVANTAGES: The technical result consists to increase the productivity, the quality, storage capacity and resistance of plum fruits to fungal diseases and tissue dehydration, as a result of their directed growth for long-term storage.

IMPLEMENTATION STAGE At the laboratory level.

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