

95-0029

The invention relates to agriculture and may be used in plant-growing, fruit-growing, forestry, selection of varieties according to their resistance to drought and heat for the corresponding soil-climatic zones.

The peculiarities of this method consist in rising the accuracy of the determination of plants resistance to drought and heat:

a) in the capacity of an integral biological criterion of the resistance degree evaluation is used the changing value of the leaf thickness before and after the submission of plants to high temperatures droughts;

b) for determining the drought resistance the plants are treated at high temperatures from 40 to 45°C for during hour, in order to determine the drought resistance the plants are dehydrated for 2-3 hours;

c) those plants are considered more resistant which have a thickness size of the leaves more stable; taking into consideration the variation of the leaf thickness after the drought or heat influence, related to the leaf thickness before the above-mentioned influence in the range of 1,0-0,8 the plants are estimated as "resistant" 0,7-0,6 - "medium resistant" and at the range of 0,5-0,4 - "unresistant".

Claims: 3