

Affects of water stress on size and quality of walnuts kernel

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Irrigation is accepted as one of the most important factors in producing high quality walnuts. Numerus reports describe the advanced effects of dry soil on kernel quality, but there is little experimental data to explain the effects of lack of soil moisture on the normal seasonal development of walnuts fruit.

To obtain such data a study was conducted at "Zia Abad", the most famous walnut growing aria of Ghazvin province, by "Islamic Azad University of Iran" Takestan Branch expert and horticultural master teacher. M.R.Karimi.

Study was subjected in two wet and dry considerations in equal conditions but irrigation.

Fruit production was under determining by early summer by random picking, and studing kernel skin-color and kernel sherivel and weights.

So in result: fruit quality is determined with sunburning which causes kernel darkening and sheriveling and low kernel weight and shape in dry blocks.