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THE EFFECT OF VARIOUS TREATMENTS ON THE EXTRACT VISCOSITY OF DIFFERENT TRITICALE VARIETIES

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ABSTRACT

The purpose of this study was to determine the effects of grinding, water soaking and autoclaving on the extract viscosity of triticale varieties. Grinding significantly affected the viscosity of water, acid and alkaline extracts of triticale varieties. The viscosity of finely ground triticale (0.5 mm cyclotec) was consistently higher than that of coarsely ground triticale samples (1.0 mm cyclotec). Water and autoclave treatments decreased the viscosity of triticale extracts; especially water treatment was effective. Over all the varieties, the correlation coefficients were 0.36** for viscosity of water vs acid extracts, 0.61** for viscosity of water vs alkaline extracts, 0.50** for viscosity of acid vs alkaline extracts.