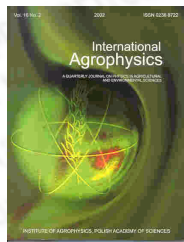




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Relationships between gluten content and grinding properties of wheat (a short communication)

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abstract In 14 wheat samples from mixed varieties, the wet gluten content was significantly correlated with grinding energy and particle size of flours. The particle size distributions were bimodal with a main mode between 570 and 690 μm and a second mode between 28 and 34 μm . The main mode was higher for samples with a high gluten content. Conversely, samples with a low gluten content exhibited a higher second mode. A grinding ability index calculated as the quotient of specific grinding energy to specific surface was highly correlated with the gluten content ($r=0.90$).

keywords wheat, gluten, hardness, particle size

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