

Correlation between the level of dietary fibre, its fractions and mineral components in rape seeds

S u m m a r y

Availability of mineral elements depends on phytic acid and dietary fibre level. Phytic acid and dietary fibre reduce P, Ca, Mg, Zn, Cu and Mn availability. Besides, mineral composition of crude oils depends on the level of mineral elements in rape seeds. Analysis of correlation indicated that cellulose level exerts negative effect on iron and positive effect on potassium content in rape seeds. Dietary fibre and its fractions, especially NDF, ADF, HCEL and NFE have a considerable influence on mineral elements. NDF content was found to be positively correlated with magnesium, ADF – with potassium, HCEL – with manganese content. NFE was positively correlated with potassium but negatively with phosphorus content.