



# Agricultural Journals

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# Res. Agr. Eng.

## P. Kovaříček, J. Hůla

### Field capacity determination from

## Res. Agr. Eng., 49 (2003): 75-79

For agricultural machinery management the actually reached machines capacity has a considerable importance. The data recorded by GPS monitoring enable to correct machines work productivity under concrete operational conditions. Assessment of machine aggregates operation records has proved effect of the operational factors onto operational efficiency reached on particular plots. The theoretical efficiency given by exploitation characteristics of machines has decreased effect of higher share of non-productive travels within small and irregular plots almost by 25%. In this paper we are dealing with searching for correlation between field speed and travelled unit path and defined classes of size length and plot shape. The resulting knowledge of field efficiency on plots properties will enable to make more accurate the machines planned operation.