







The increase in farm size nearly exclusively seems to take place by the increase in field parcel number and very little by the increase of parcel size.

The purchased and especially leased additional parcels are usually further from the farmstead than the fields already used.

Along with the fragmentation of property division the impractical agricultural traffic from the homestead to parcels will increase.



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The agricultural traffic on the main road was then calculated in a new situation. Both owned and leased fields were considered.

The outcome of the analysis was that if it was possible to arrange the field parcels in the area absolutely optimally, the volume of agricultural traffic on highway 18 could be reduced with 45 % from the present, i.e. some 26 000 km/year

this will cause annual savings of appr. 25 000 euros to the farmers, which when capitalised (30 years, 5 % interest) means the total savings of 390 000 euros.

	Kilometres /year at present	Kilometres /year in optimum	Reduction (km)	Reduction (%)
To leased parcels	21 680	12 256	9 424	43 %
To owned parcels	35 248	18 832	16 416	47 %
Total	56 928	31 088	25 840	45 %

+ The benefits for traffic safety

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DESCRIPTION OF THE FUTURE CHANGES IN THE AGRICULTURAL TRAFFIC VOLUME ON THE VILLAGE ROAD NETWORK

By means of the route calculation instrument contained in the FLPIS and the JAKO System one can also consider how much the agricultural traffic volume will change in the future on the village (or other area) road network, e.g. when the number of farms decreases or land consolidations change the property division.





Field parcels of a farm today, 6 pcs. (A) and after 5 years, 14 pcs. (B).





