Based on changing conditions for tractor utilization the requirements on tractor concepts for cultivation and application purposes are deducted. From the data of a survey on utilization the special use and implement parameters were ascertained. They were the basis for putting together a specification list. In a model examination alternative tractor concepts were defined and assessed, using a multi attribute utility technique, on the fulfillment of requirements. It showed that specialized light load carriers have significant advantages compared to standard and system tractors.