Analysis of the Life Cycle
This fact sheet shows the results of the life cycle analysis of greenhouse gas emission and relevant environmental issues. The greenhouse gas emissions were collected over the entire life cycle of the household paper, i.e. from the transportation, the production in the factory through to the usage and the disposal. This climate balance shows the most climate friendly household paper in the Migros assortment.

Product information
The following household paper of the Migros assortment were analysed, where in (N) is the number of the rolls in the package.

Functional unit: 1 kg household paper
We assumed all products - based on weight - have the same function to have a fair comparison.

Results
The climate impact per functional unit is between 1.21 - 2.19 kg CO₂e. The comparison shows that Twist Recycling causes clearly the lowest emissions.

Climatop Certification
This is the obligatory post-balance concerning household paper which was conducted after the expiration of the previous certification. Due to re-assessed good results of Twist Recycling it can be certified with the label „approved by climatop“ again. The certification is valid for two years; then a new re-evaluation is necessary.

Validity: 2012 - 2014
Discussion

The comparison is considerably: Twist Recycling performs better than the other investigated household papers. The bar graph below shows which step of the life cycle causes the largest climate impact. The most distinctive share with 80% of total emissions makes the production of „mothering“, which means the raw materials and the production of the tissue. In particular, the choice of energy sources which are used for the production, as well as the source of fibers for the production of tissue and providing the process energy are the main contributor to the impact of the production step. The climate impact of the Twist Recycling is about 30% below the average of all analysed household papers. An important reason for the good performance of this product is the fact that recycled paper is used instead of fresh pulp. Products made from recycled paper and in which the process energy is provided from waste, cause much less greenhouse gas emissions than conventional paper. The distribution (incl. transport), the packaging and the disposal move with all products in a similar range and are not significant for the differences. The phase of utilisation is negligible.

Environmental impact

The tissue from recycled paper, which are manufactured with process energy from waste, cut in relation to the overall environmental impact better than remaining tissue paper. This corresponds to the results of the greenhouse gas emissions. Between the other products no significant differences can be seen. In conclusion, it can be said that products, causing less greenhouse gas emissions, also generate less overall environmental impact.

Good to know!

Twist Recycling is not only a champion out of a climate perspective - in other environmental aspects the product scores the most as well. Since it is made from recycled fiber and not from fresh wood the product conserves the woods. In addition, recycled paper can be made with much less energy than conventional products. Not only ecologically but also financially worthwhile is the usage of recycled fiber since the fibers can not be recycled after use, but end up in the waste incineration - a dead end for which high quality virgin fiber is really too valuable.