



Sugarbeet

Root of our sustainability



Ecoefficiency total – everything is used

From beet to sugar



Delivery
the beets are transported by truck to the factory

Beet washing
mud and soil are removed

Beet slicing
the beets are cut into beet slices

Juice extraction
in 70°C hot water the sugar is extracted from the slices

Thin juice



The carbonation lime is used as natural fertilizer

Juice purification
non-sugar is precipitated by lime milk and afterwards filtered

Raw juice



The beet pulp is used as valuable fodder

Thick juice

Evaporation
the water is boiled away until a sugar content of 70%

Crystallization
the thick juice is further evaporated until sugar-crystals are formed

Centrifuging
the molasses is separated from the crystals, white sugar is produced

White sugar

About **12.500 kg** white sugar is produced from one hectare sugar beet

The molasses is used for yeast- and alcohol production or as fodder

