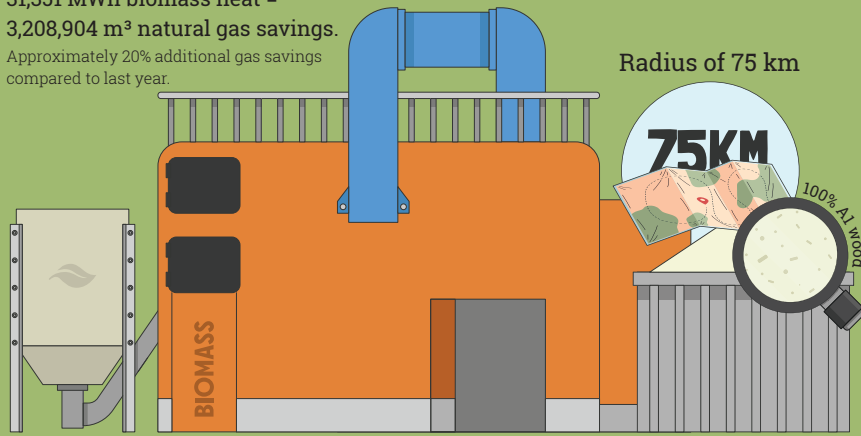


ENERGY & ENVIRONMENT

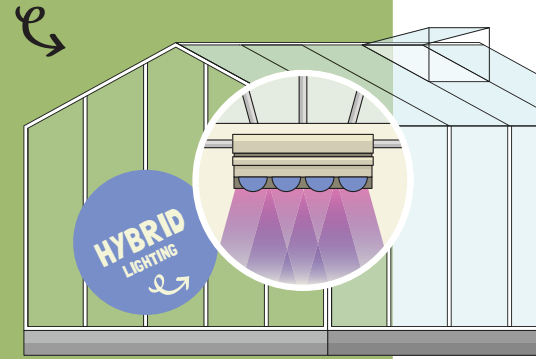
Biomass

31,351 MWh biomass heat =
3,208,904 m³ natural gas savings.
Approximately 20% additional gas savings compared to last year.



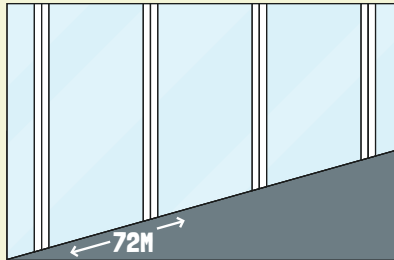
Hybrid LED lighting

3 additional hectares of HPS with hybrid LED lighting



TEST DEHUMIDIFICATION

CORRIDOR	72 M
DUCTS	46 OF 105 M LONG
DEHUMIDIFICATION UNITS	18 (9x2)
FANS	9
COOLING DUCT	450 M



This installation extracts warm, humid air from the upper part of the greenhouse (as warm air rises) and transports it to a heat pump located in the corridor. There, the air is cooled using CO₂ to approximately 3–5°C and dehumidified. The resulting condensate is collected separately and consists of very clean water. The dry air is then reheated to the desired temperature by a heating element and distributed to the back of the greenhouse/row via a corridor and duct (hose) system.

Other activities

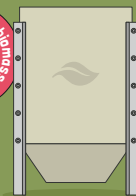
Ongoing research into aquathermy and underground seasonal storage.



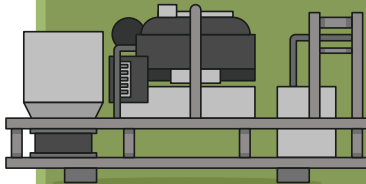
Transition plan developed with opportunities for the municipality of Someren-Asten (Energy Hub).



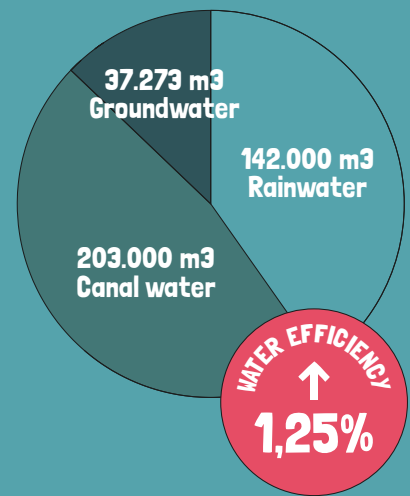
Pre-engineering phase for CO₂ capture from biomass.



Exploration initiated regarding the future role of CHPs (green gas/CO₂ capture).

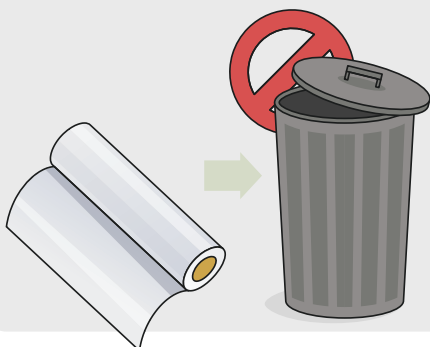


Water



WATER

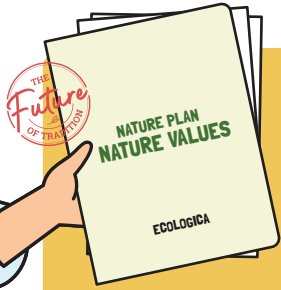
RESIDUAL FLOWS



Residual flows

We collected 5.94 tons of film. This will be processed into regranulate: recycled plastic granules that manufacturers can use to make new plastic products.

BIODIVERSITY



Biodiversity

Collaboration with Ecologica

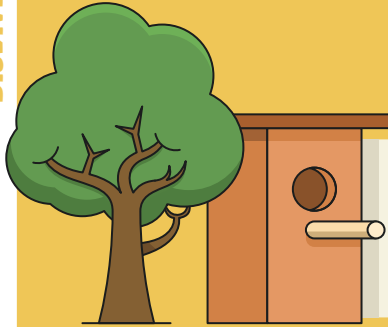
Butterfly counts

11 species



Sparrow counts (IVN)

greenfinch, dunnock, wood pigeon, house sparrow, jackdaw, great tit, blackbird, blue tit, goldfinch, robin, starling, collared dove, chaffinch, carrion crow, and Eurasian blackcap.



The occupancy of the nest boxes for the species starling, blue tit and great tit, which were also observed during the MUS counts, is **HIGH**



Tree planting day

Together with four primary schools, a total of 19 flowerbeds were planted with different types of plants to promote biodiversity.

Field count (IVN)

A total of 17 target species were found, most of them in test plots 1 and 7. These scored well and reasonably well.

Poppies

This year the poppy field has been sown.

Collaboration HAS

Research has been conducted into how to improve water quality and biodiversity. The chemical water quality is excellent, but the ecological water quality is poor. According to the research, this is due to a lack of aquatic plants that provide shelter for aquatic insects, giving the fish the upper hand. The solution for the current basin is simple: place crates with submerged aquatic plants. This will be implemented in 2026.



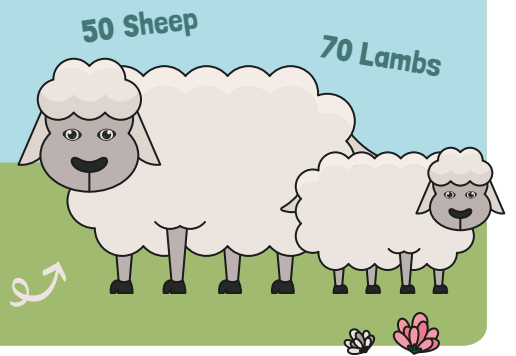
Own webshop

Launched its own webshop for local residents. Second class tomatoes are also available here.



Sheep

Sheep graze in the area year-round, so intensive mowing is no longer necessary.



ORO collaboration

Tomato soup made with second class tomatoes for lunchroom Oro and their shop, Christmas packages wrapped, birthday presents wrapped, birdhouses made.

SOMEREN ENTREPRENEUR OF THE YEAR GROWTH AND PROSPERITY GREEN AWARD



COMMUNITY

€5.500 TO LOCAL ASSOCIATIONS AND FOUNDATIONS. MORE THAN 10.000 KG OF TOMATOES SPONSORED.

School trips in the greenhouse



€1955,51 raised by Mariaschool + Diamant

16.183 TRANSACTIONS

