

FULL CYCLE DAIRY FARMING IN FARM 'VECSILJANI'



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LF

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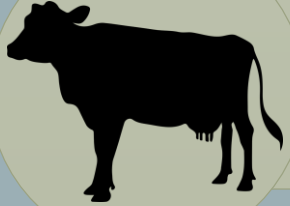


HISTORY

- Founded in 1991
- Started with 3 cows
- 70 ha of land



ABOUT FARM



1'020 dairy cows
2'000 animals total



50 employees



34'000 liters of milk/day
Average yield – 12 t



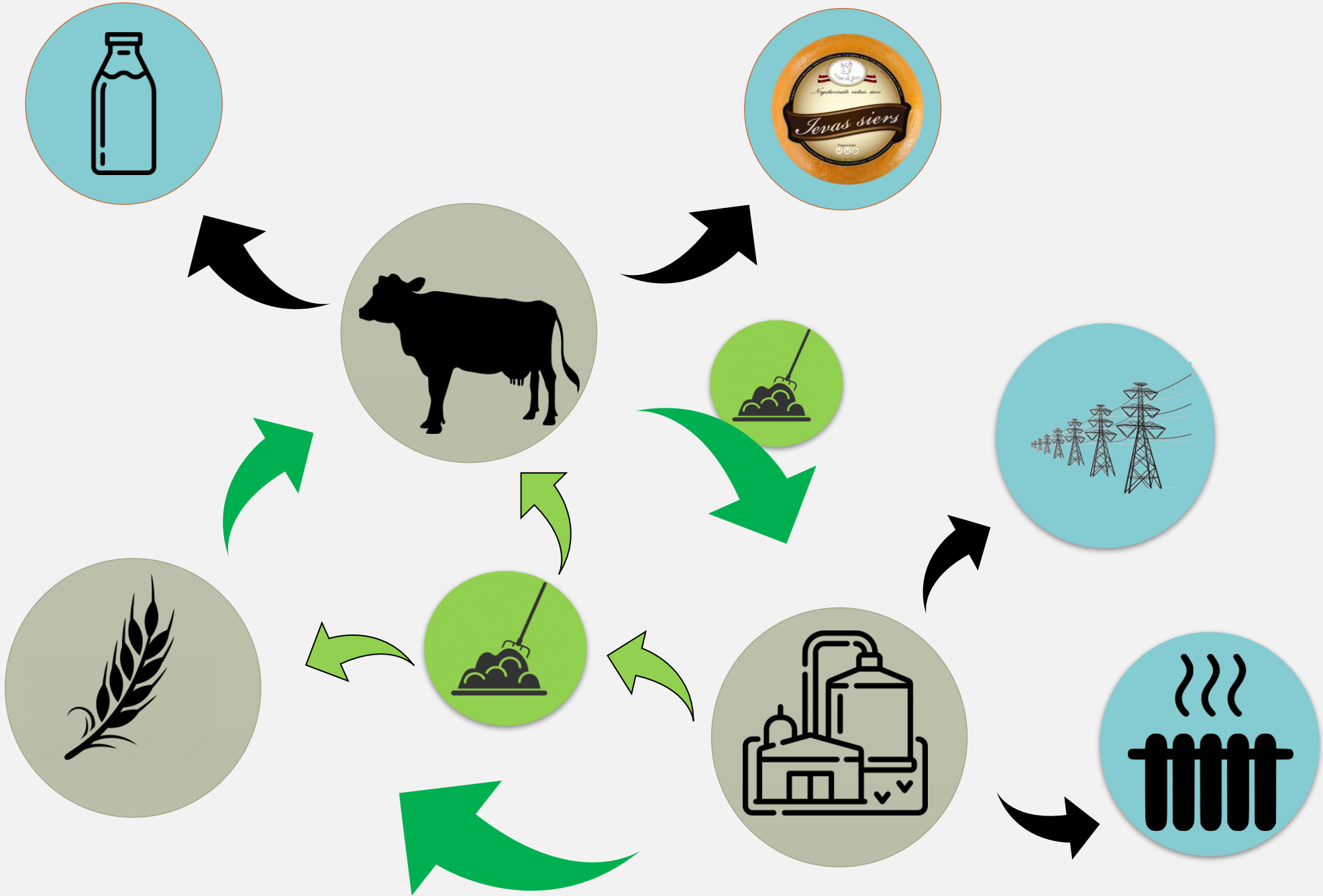
0.9 M eur to Latvia budget



1450 ha of land



0,7 MWh Electricity
power Biogas plant



COW WELFARE



Modern farm layout



Sandwich panel roof / air fans



Free holding system



Automated feed pushers



COW BEDDING



Recycled cow manure bedding



More comfortable for cows

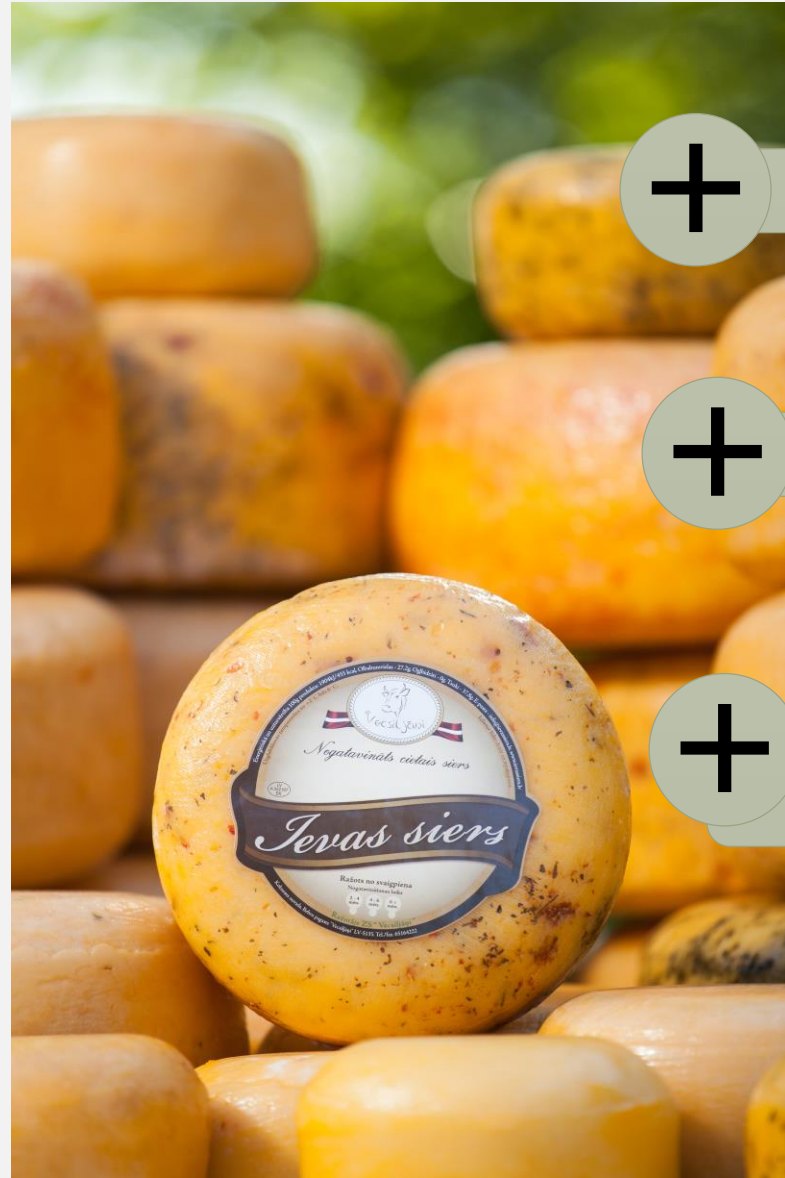


Save 30'000 Eur per year



Lower labor costs

CHEESE FACTORY



Risk diversification



400 kg cheese per day



Ecological product that presents our farm

CHEESE FACTORY



*3,5 tons of milk whey per day
are processed in biogas
station to reduce
enviromental pollution and
make closed cycle*

BIOGAS PLANT



+ 30 000 t / year GHG Emissions

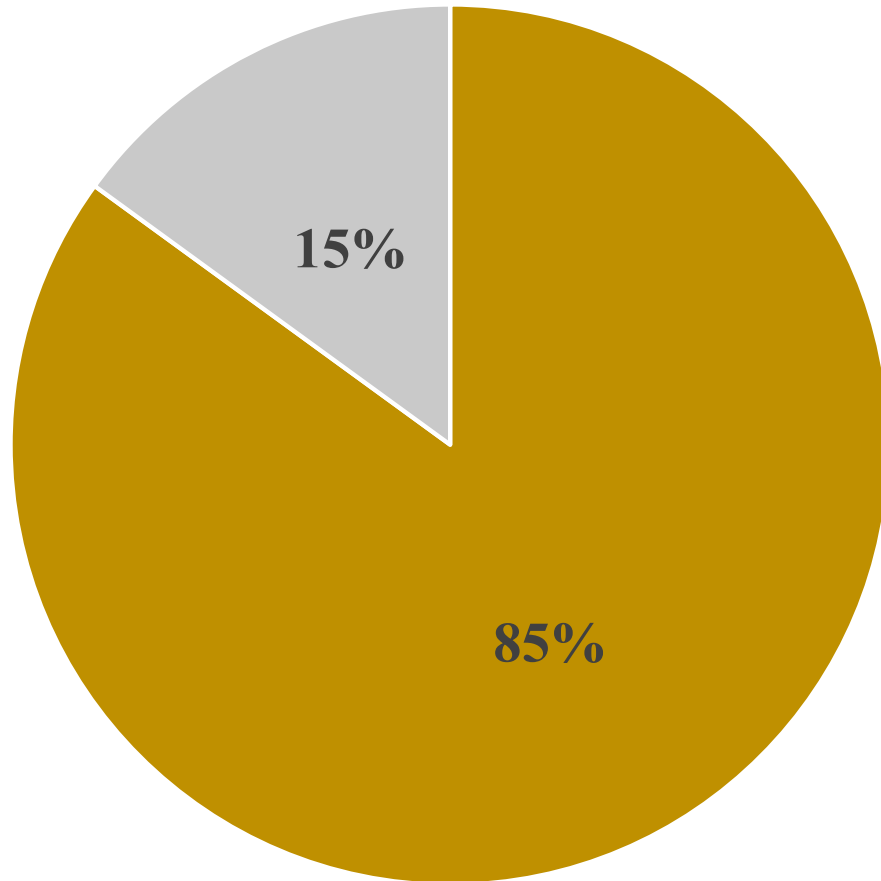
+ Digestate replaces mineral fertilizers

+ Green energy production

+ Provides farm with self-produced electricity and and heat

+ Reduces farm smell

FERTILIZER

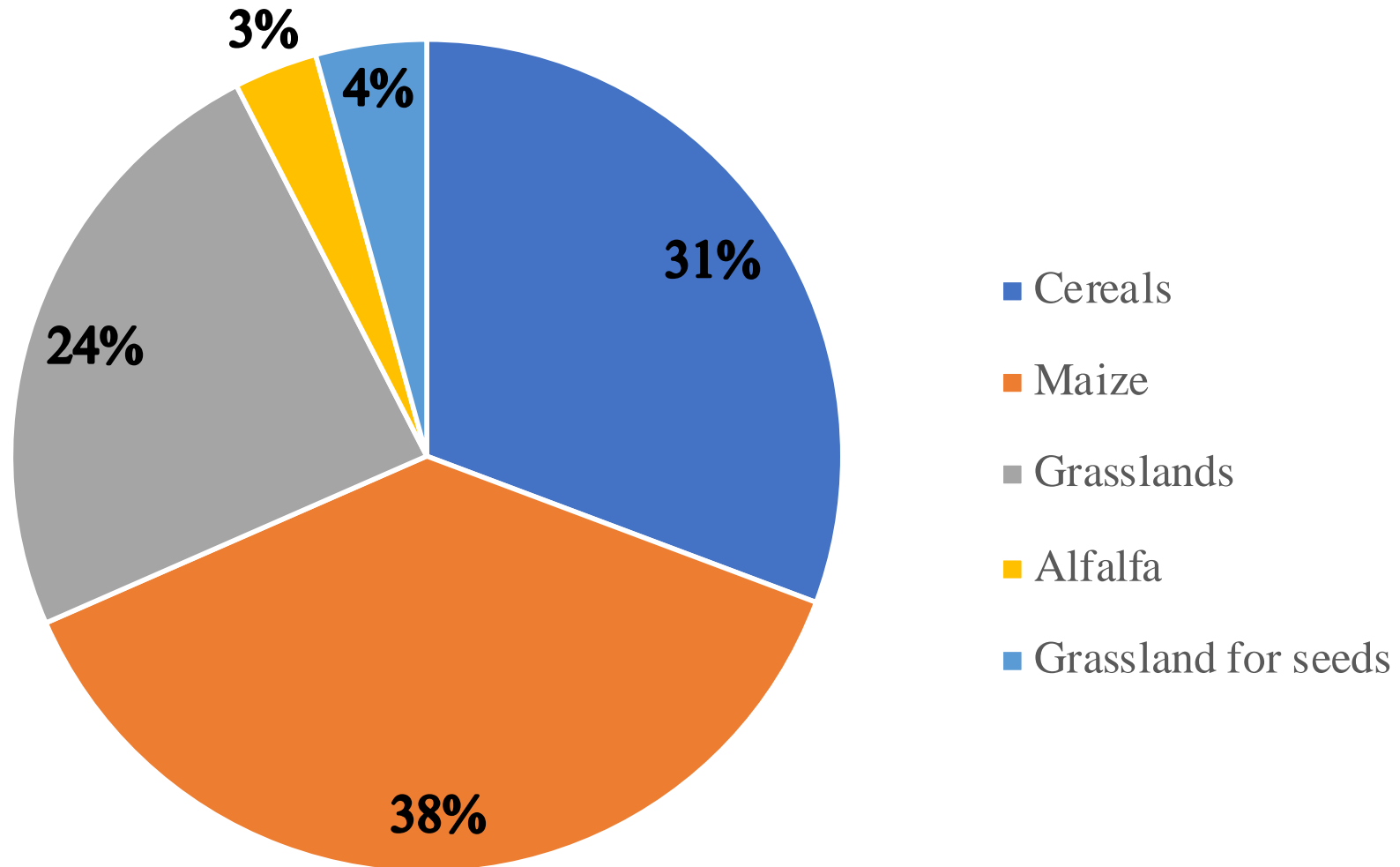


■ Digestate ■ Mineral fertilizers

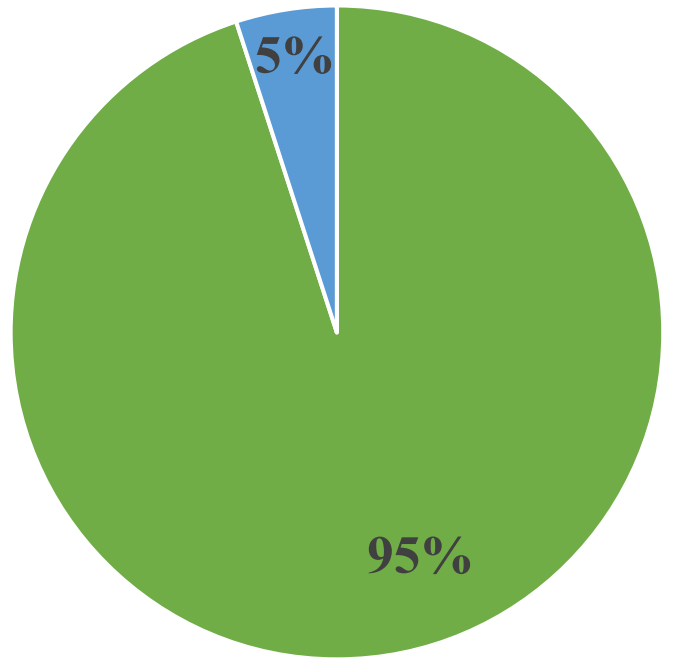
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N	120 t	3,6 M (50%)
P	40 t	0,54 M
K	100 t	0,83 M
		3.17 M

FIELD PLANNING



COW FEED



■ Self-grown feed ■ Purchased feed



Save 650'000 Eur



Best quality controlled feed



Less transport pollution

DIGESTATE TECHNOLOGIES





CLOSED-CYCLE FARM IS OUR VISION FOR REDUCING CLIMATE CHANGE IN THE FUTURE, WHILE PRODUCING QUALITY FOOD AND REDUCING THE ENVIRONMENTAL IMPACT OF AGRICULTURAL POLLUTION.