



Pilot farm

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FARM STRATEGY:

- *High production per person.*
- *High life production per cow (low number of young stock).*

“To think it’s impossible, makes it impossible!!”

FARM CHARACTERISTICS (2011):

soil type	clay
grassland (ha)	33.2
maize (ha)	7.7
quota (kg)	1,012,570
intensity (kg milk/ha)	25,200
cows	108
young stock	45
milk production (kg/yr)	9,910
concentrate use (kg/100 kg milk)	26
milking parlour	2x12 side-by-side
stable	cubicles
other particulars	slurry separation

MILESTONES:

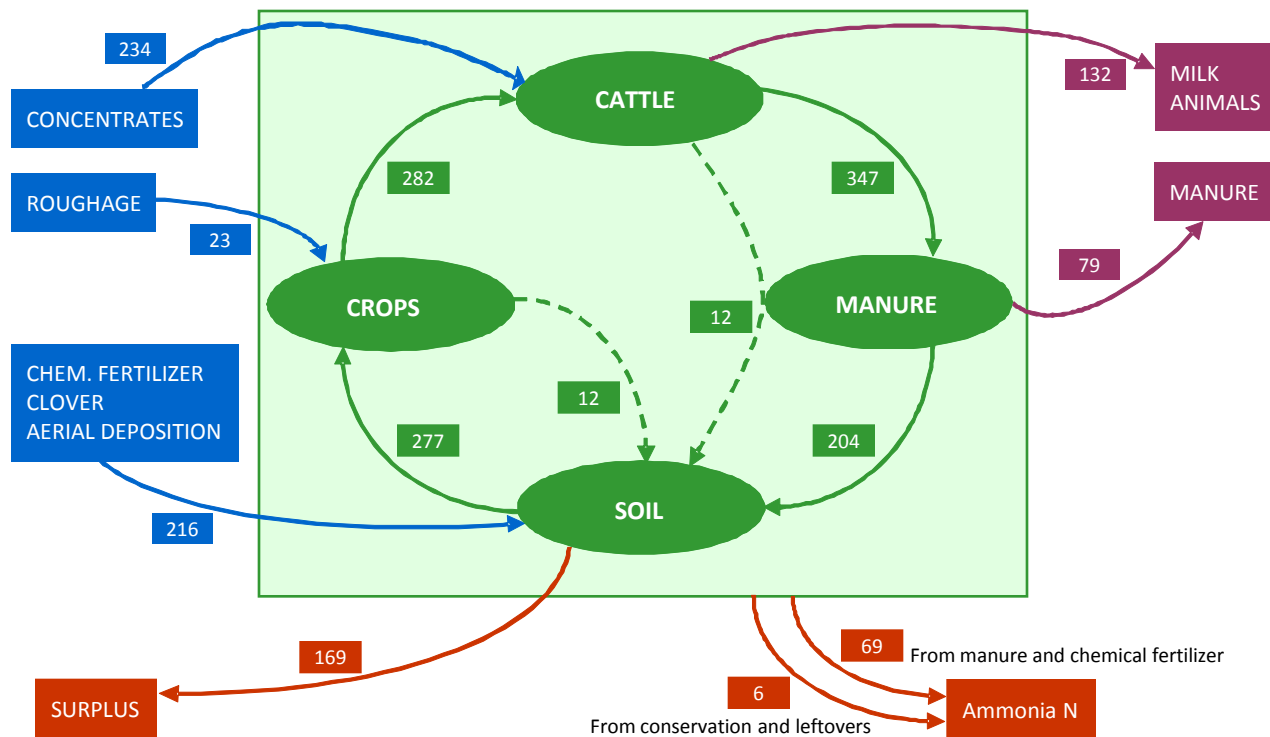
- After many years in uncertainty we finally have a successor
- The life production strategy paid off in 13 cows that produced over 100,000 kg of milk in their lifetime so far.



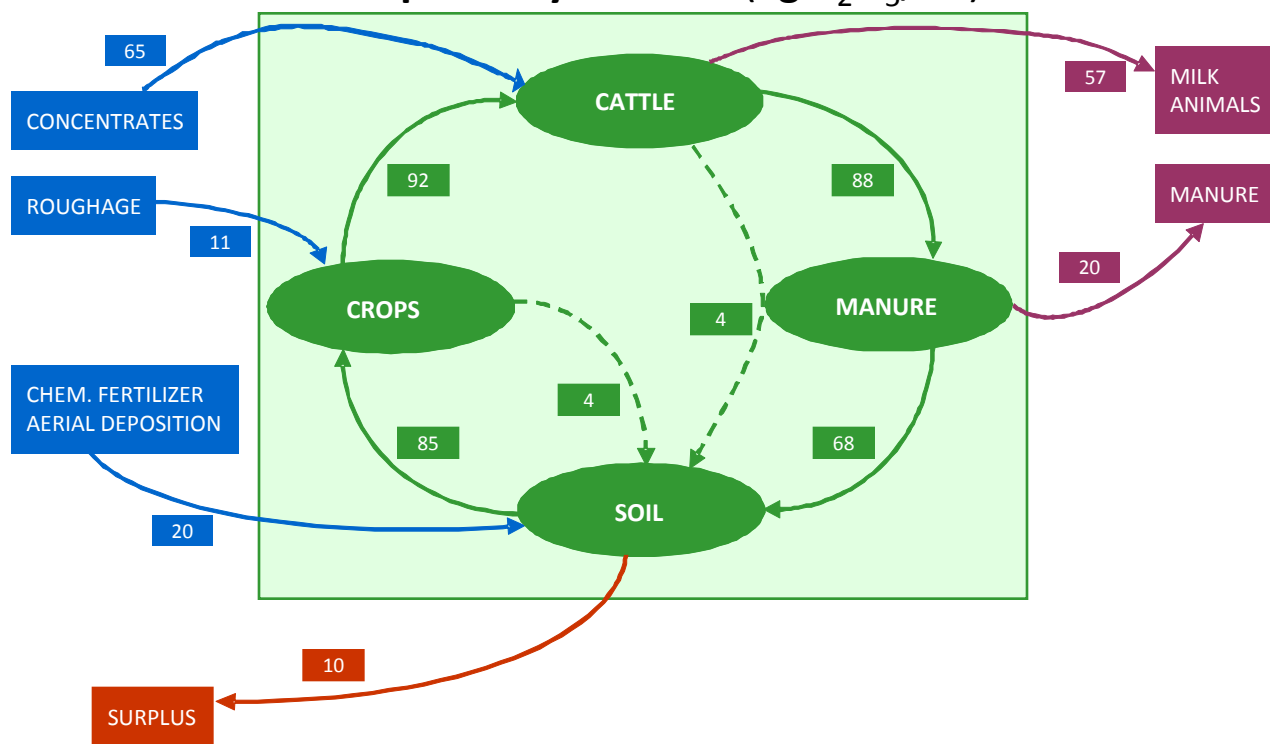
Fertilization 2011

	slurry	chemical fertilizer	
(per ha)	m ³	kg N	kg P ₂ O ₅
grass	71	200	4
maize	30	120	34

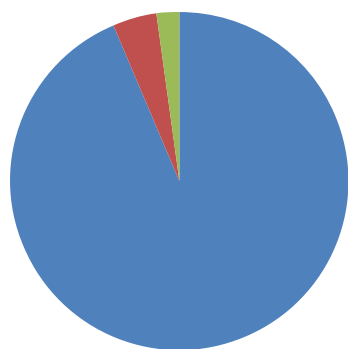
Nitrogen cycle 2011 (kg N/ha)



Phosphate cycle 2011 (kg P₂O₅/ha)



Farm economics (2010)



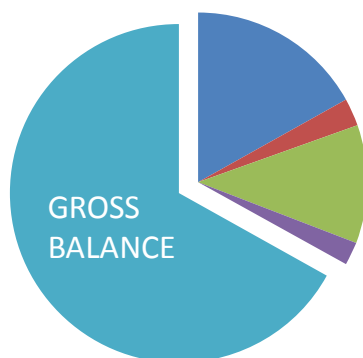
YIELDS

- milk
- animals
- other

	€/100 kg milk
YIELDS	
milk	36.6
animals	1.6
other	0.9
	39.1

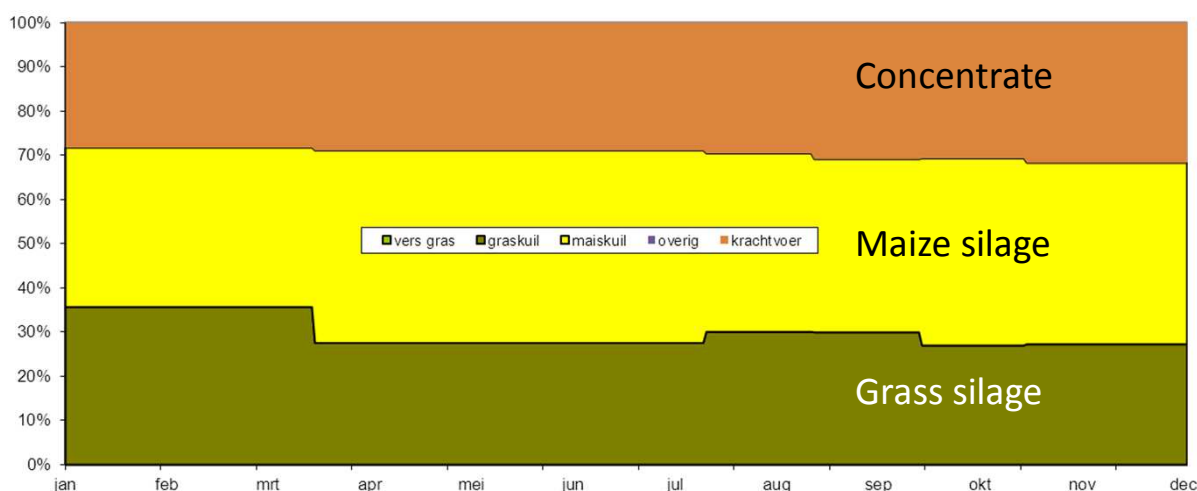
COSTS

- concentrate
- roughage
- animal costs
- crop costs



COSTS	
concentrate	6.6
roughage	1.1
other feed	0.3
breeding	0.8
animal health	1.7
other animal costs	1.6
fertilization	0.6
other crop costs	0.3
	12.9
GROSS BALANCE	26.2

Animal Nutrition



Improvement projects

ECONOMY • Optimise gross balance

LABOUR

ENVIRONMENT

- Not too high work load

- Keep nitrate leaching low
- Low phosphate surplus
- Less emissions (ammonia, methane, nitrous oxide)

Steps

Period	Action	Improvement
2011	Use liquid fraction to replace chemical fertilizer	no slurry removal
2011	Extra use of <i>Lacto</i> concentrate	reduced methane emission
2011	Use contractor to feed the cows	1-2 hours less work per day

“Slurry separation has many advantages for our intensive dairy farm”



“The heavy clay soil has its limitations in use”

“A high life production per cow is important. Less young stock also means less costs and less emissions!”

The oldest cow is 16 years!



DAIRYMAN is a European project involving 7 countries of the North West of Europe. 10 regions and 14 partners. The aim of Dairyman is to strengthen rural communities in these regions where dairy farming is a main economic activity and a vital form of land use.

DAIRYMAN pilot farmers are also members of the Dutch project Cows & Opportunities. In this project 16 dairy farmers. KTC De Marke. Wageningen UR and advisory services cooperate. On request of the ministry of Agriculture and the Dairy Board the project field-tests, evaluates and improves the effectiveness and feasibility of the (proposed) environmental legislation in farm practice and supports the Dutch dairy sector with its implementation. Cows & Opportunities works at a future for neat dairy farmers. The results are found at: www.koeienenkansen.nl (in Dutch).

Investing in Opportunities



This project has received European Regional Development Funding through INTERREG IV B.



INTERREG IVB

DAIRYMAN pilot farms are a platform for communication and exchange where other farmers can gather information and advice.