



Good food, Good life

ATF-EAAP special session

What livestock has to offer to biodiversity and healthy soils

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Vevey, 1 December 2020

Feeding 9+ bn people by 2050 *Threats or opportunities*

Soils & Soil Health



Biodiversity & Genetics



Water in Agriculture



Energy & GHG



Training & Assistance



Policy Interventions



Sustainable Agriculture Initiative Nestlé *Farmer Connect*



LAND



WATER



ENERGY



CLIMATE



PEOPLE

To ensure supply we have to smarter use natural resources by

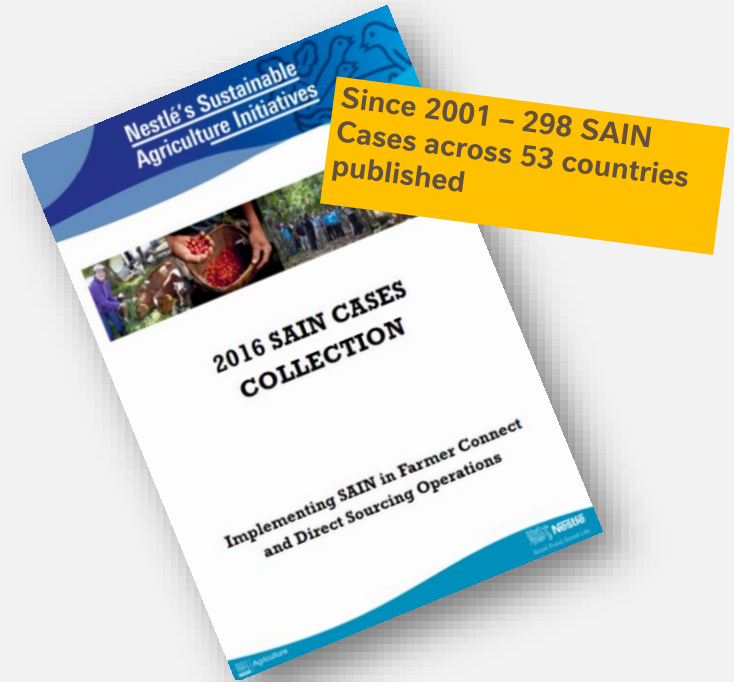
- Not wasting
- Not polluting
- Not destroying

and a good start is eradicating the worst and promoting better

Sustainable Agricultural Practices.

Producing more food from the same area of land while reducing the environmental impacts requires what we call **“Sustainable intensification of Agriculture”**.

Since 2001



Nestlé commits to zero net emissions by 2050

“Climate change is one of the biggest threats we face as a society... Our journey to net zero has already started. Now we are accelerating our efforts.”

Mark Schneider, Nestlé CEO

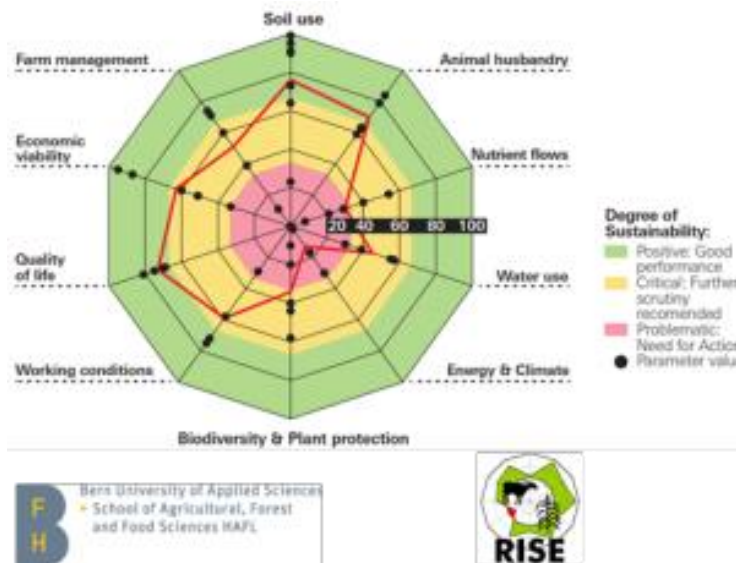


Sept 2019

Biodiversity, Soil & GHGE Dairy Case, Chile – Program Frame

Background

A project on farm sustainability assessment delivered key facts and figures for a whole farm sustainability program in 2011



Program Component

Point system, incentivizing good agricultural practices:

- Biodiversity
- Soil Health
- GHGE
- Animal welfare
- Environmental
- Human health



Cumulated score leads to price premium

Total score reachable: 800 points

Total no. farms: ~ 700

<https://www.bfh.ch/en/research/reference-projects/rise/>

Biodiversity, Soil & GHGE *Dairy Case, Chile – Program Content*

Biodiversity

- Silvo-pasture; more than 5% of total grazing surface is native forest
- More than 80% of our fresh milk is produced by grazing model
- Ecologic shelterbelts, to protect native flora and wildlife
- Forest protection
- Water courses protection

Soil

- Rotational grazing model with pastures and native forests ensure proper maintenance of soil health
- Fodder rotation with oat (*avena sativa*) as cover crop and pasture offers additional feed to cows avoiding bare soil and erosion.

GHGE

- Energy consumption
- Heat recovery
- Renewable energy



Biodiversity, Soil & GHGE Dairy Case, Chile – Program Communication

#AMORQUELODEJASER
Historias reales de mamás que dejaron a sus hijos ser tal como son.

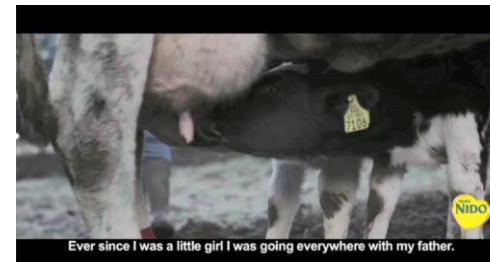
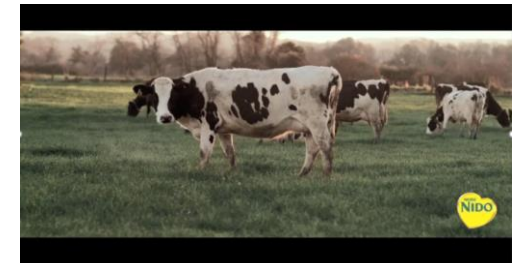
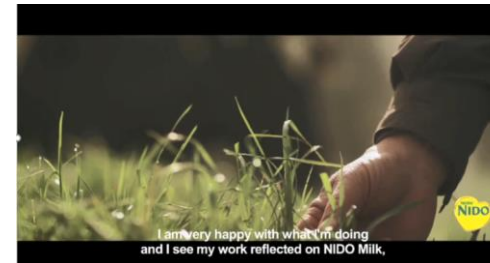
"Cocinamos juntos y ahora le encanta comer".
CONOCE LA HISTORIA DE MARTA

"La dejé vestirse sola y aprendí más de ella".
CONOCE LA HISTORIA DE PAMELA

"Le enseñé sobre cariño y respeto con su mascota".
DANIELA, MAMÁ DE FLORENCIA

"Porqué ya no leo cuentos a mis hijos"
MAITE, MAMÁ DE BASTIÁN

"La ansiedad que sentí en su primer día"
CATALINA, MAMÁ DE NATALIA



<https://www.lechenido.cl/>

Farmer Association Biodiversity Scheme *Dairy Case, Switzerland*



Background

IP-SUISSE, about 20 000 farmers **farm for generations**

Program components

Point system leading to a price premium

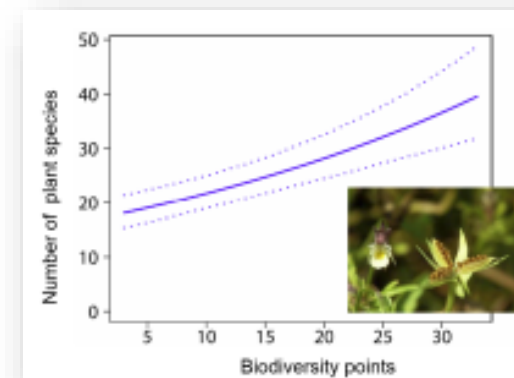
- Ecological compensation: (quantity, quality, location) 6 criteria with 1-6 points
- Production areas: arable land / grassland 9 criteria with 1-2 points

- Production areas: arable land / grassland 9 criteria with 1-2 points
- Special measures 3 criteria with 1-3 points

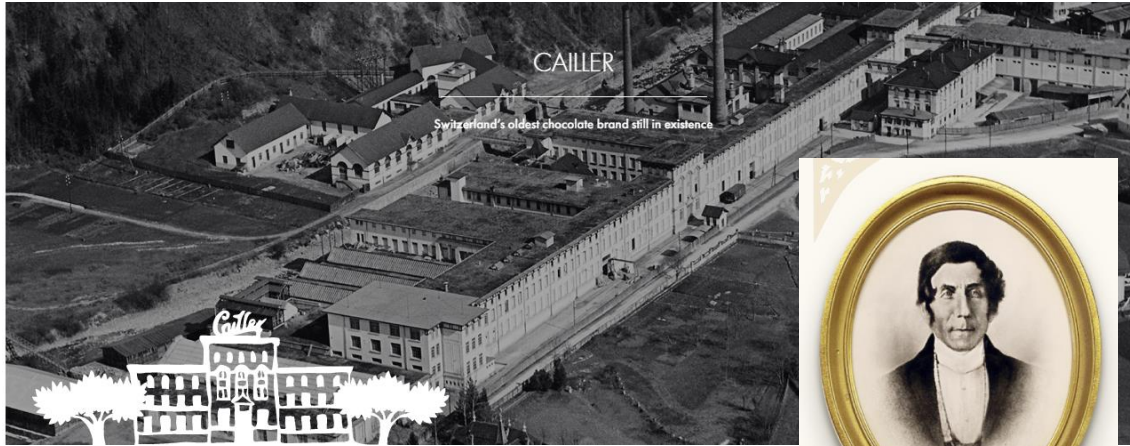
Internet-based system to record the farm and biodiversity measures

Impact assessment by independent research organization

Farmers supplying to Nestlé confectionary: ~ 46



Cailler Chocolate and IP Suisse



A trusted traditional Swiss chocolate with a trusted Swiss farmer brand

Informations nutritionnelles/ Nährwertinformationen	Pour/pre 100g	1 PORTION (16g)	% A.P.M.P. ¹ par portion
Energie/Energie	2471 kJ/594 kcal	395 kJ/95 kcal	5%
Matières grasses/Fett dont acides gras saturés/ davon gesättigte Fettsäuren	42,3 g 16,9 g	6,8 g 2,7 g	10% 14%
Glucides/Kohlenhydrate dont sucres/davon Zucker	41,8 g 39,2 g	6,7 g 6,3 g	3% 7%
Fibres alimentaires/Ballaststoffe	3,1 g	0,5 g	-
Protéines/Eiweiss	10,2 g	1,6 g	3%
Sel/Salz	0,23 g	0,04 g	1%

¹ AR: Apport de référence pour un adulte-type (8400 kJ/2000 kcal).
² M: Référence pour un adulte-type (8400 kJ/2000 kcal).
³ M: Referenzmenge für einen durchschnittlichen Erwachsenen (8400 kJ/2000 kcal).
⁴ Diese Packung enthält 6 Portionen. Portionen sollten für Kinder entsprechend ihrem Alter angepasst werden.

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www.nestlecocoaplan.com
FABRIQUÉ EN SUISSE e100g

Summary

- Full integration of biodiversity and environmental schemes in the sourcing of agricultural raw materials can deliver value for farmers and consumers
- A simple point systems and transparent mechanism for price premiums will accelerate transformation towards biodiversity and soil health, and lead to measurable impacts at agricultural landscape level
- Respecting the farmer's freedom to develop his own biodiversity roadmap is key to win and successfully implement such schemes in sourcing district
- Communication may build on elements such as: mothers care for her children, farmers care for their animals and farms; or simply, by combining two trustful local Swiss brands!

Outlook:

- Such point system may also be instrumental for the transformation of entire value chains to Zero Net Carbon Emission – Condition: Data collection is automated!