

FIND OUT MORE



NEW

SU MILK BOOST

THE MILK MAKER!

**More Oil
per Kernel,
more Performance
per Cow.**

www.saaten-union.de

**SAATEN
UNION**
Züchtung ist Zukunft

Improving forage quality with special maize mixtures

- The dairy cow's diet is primarily based on forage maize and forage grass. Depending on availability or on available cultivation area the forage ration is maize-based, balanced or grass-based.
- Besides total dry matter yield, agronomic and plant health issues, the following quality parameters are important to evaluate a variety:
 - energy yield and energy density
 - starch yield and starch content
 - neutral detergent fibre digestibility
- Apart from maturity group and site conditions, these are the key parameters to determine which maize varieties are suitable for the individual forage ration.
- Naturally, every dairy farmer contemplates how to keep optimising both milk yield and quality as well as the animal's health.

The concept:
combining 3 varieties with different or
contrasting characteristics



High-Starch Maize

- ✓ secures yield
- ✓ delivers starch



High Oil-Maize

- ✓ delivers energy
- ✓ improves the kernel's oil content



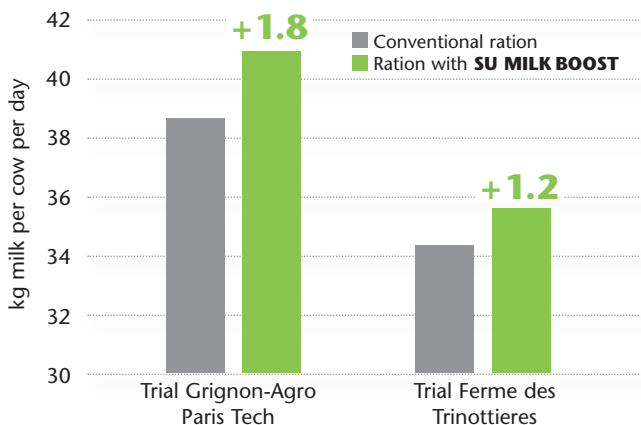
Black Maize

- ✓ delivers antioxidants
- ✓ improves animal health

Results from feeding trials

- A significant increase in milk production, up to 1.8 kg milk per cow/day, were demonstrated with **SU MILK BOOST** rations in comparison with conventional maize diets (trials Grignon-AgroParisTech & Ferme des Trinottières).
- The higher the proportion of grass silage in the total ration the greater the advantage of the mixture:
 - A ration with > 60 % grass silage achieved + 2.7 kg milk per cow/day.
- Antioxidants: rich in phenolic compounds with more than 20 active subclasses:
 - present in stalks, leaves and kernels, thus easily added to the ration.
- Changes in fatty acid profile (less saturated but more unsaturated fatty acids)

Increase in milk production by SU MILK BOOST French trial results



Source: AgroParisTech

Benefits for agricultural practice

- very high energy content due to higher oil content (conv. varieties 6–7 % compared to 10–12 % of HO-maize)
- oil and starch are opposite energy sources (lower risk of rumen acidosis) and therefore it is possible to increase the ration's energy density.
 - measurable in particular in high yielding dairy cows and at the beginning of lactation
- savings in (expensive) additives/to some extent in concentrates
- noticeable improvement of animal health and herd health
- a sustainable higher milk production is possible (2.0 l/cow/day)
- higher milk fat content (+2.5 kg/1.000 l) and a more favourable composition (more unsaturated fatty acids)



SU MILK BOOST

Results from German silage analyses

In 2025, 20 silage samples were taken and their components determined. The following are particularly noteworthy:

- **Crude fat content** (reference values: 2.5–4.0) at 4.7 clearly above average
- **ELOS** (digestibility) is at 73 % at the mid to upper end
- **ME beef** is at 11.4 ME about 0.9 ME higher than the trial mean value
- **NEL** is on average 6.9 (reference value 6.3–6.8): top!

	SU MILK BOOST	
	Reference value	Mean value
Crude ash	< 4.5	3.9
Crude protein	7.5–9.0	7.5
Crude fibre	17–22	19.2
Starch	30.0–38.0	30.9
Crude fat	2.5–4.0	4,7
Neutral detergent fibre	35–45	41.1
Acid detergent fibre	18–23	23.2
Ruminant degradable protein	120–140	134.2
Rumen N balance	-10 bis -5	-9,3
ME beef	10.5–11.5	11.4
ELOS	60–75	73.4
NEL	6.3–6.8	6.9

Source: SAATEN-UNION

	SU MILK BOOST
Total saturated fatty acids	18.55 %
Total monounsaturated fatty acids	28.74 %
Total polyunsaturated fatty acids	52.71 %

Source: SAATEN-UNION

SU MILK BOOST

That's why we take part!

SAATEN-UNION, in collaboration with numerous feed experts and analytical laboratories, was able to enlist farmers across Germany to take part in the project.

For the sowing season in 2025, they had already drilled demonstration plots with **SU MILK BOOST**.

The project's specifications were to harvest and ensile the maize separately, and to feed the silage for at least three weeks.

In addition to comprehensive silage analyses, resulting effects are monitored in the cow shed, milk tank and on the milk statement.



Farmer Gerrit Arendse, 26670 Großsander

"Besides grass, maize is also an important forage for us. We are always open to new ideas and therefore, I agreed straight away to a 4 hectare **SU MILK BOOST** trial cultivation. We will ensile the 4 hectares in a separate silo.

To begin with, we will feed our usual maize silage as part of their diet, so that we can hopefully see different results before and after the changeover. However, I am particularly interested in the impact this will have on the health of my herd.

The crop looks really good in the field. All cobs are well filled. The three varieties are evenly established. The lilac-coloured cobs of the black maize stand out clearly."



**Farmer Ude Schmidt,
26553 Dornum**

“On our farm, grass silage is the main forage in the 2 Ration alongside maize. Therefore, I think that the impact of maize silage will become apparent quite quickly. Let’s see how the project will turn out. Anyways, here on the coast the mixture is also well established.”

**Advisor Ernst Kreiselmeier,
URS (Unternehmensberatung für Rindvieh- und
Schweinehalter Hunte-Weser e. V.), 27232 Sulingen**

“On one of the farms I advice, 2 hectares are cultivated with the variety mixture **SU MILK BOOST**. I find the composition of this mixture extremely intriguing. We will take samples at harvest to analyse the harvested crop. Afterwards, we will compare the results to the other samples to see if there are any differences. This could turn out to be very interesting.

This topic, also including the results from other farms, will be kept under review by the advisory service.”

**Farmers Andreas und Michael Beck,
Hof Aischland Milch eGmbH, 97990 Weikersheim**

“Franz-Josef Dertinger, advisor SAATEN-UNION, approached us with this interesting mixture of maize varieties. He asked if we were able to carry out a more extensive trial comprising separate harvesting, ensiling and feeding over a longer period of time and also including a subsequent rough evaluation in terms of milk yield, milk composition and so on. As everything looked very promising, we agreed to do so.”

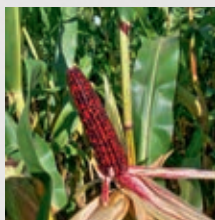
What do we hope to achieve? A significant increase in milk yield, including milk components, is one thing but what interests us the most, as it is particularly important to us, is an improved herd health (and consequently, e.g. lower vet costs.).

From a visual point of view, it is not possible to distinguish the crop mixture from our pure maize crops. The **SU MILK BOOST** crop makes an excellent impression.”

**Lukas Schneider,
ALM Schneider GbR, 64385 Reichelsheim/Odenwald**

“**SU MILK BOOST** Impressed us with its attractive and an above-average DM yield. Now, we are looking forward to the results of the silage analyses and the effects when used as feed this winter.”

(As of September 2025, editor's note)



Perspectives from the field: Our experience with **SU MILK BOOST**

Farm

Ude Schmidt

The Ude Schmidt farm, which has around 120 cows, is situated in Dornumersiel/Germany. The usual feed ration includes both grass silage and maize silage.

Since November the maize variety **SU MILK BOOST** has been fed. The fields cultivated with **SU MILK BOOST** were harvested on the 18th of October.

First results in November showed that milk production is currently around 2 kg higher per cow/day. According to farmer Ude Schmidt not just the quantity has increased but in comparison the milk quality has also improved. The cow has gained weight, too.

A month later, the farmer can still confirm those results.

As of 5th of January 2026

Monitoring milk records Results of **SU MILK BOOST**, Ude Schmidt farm

Date	16/12/2024	11/11/2025	11/12/2025
Milk	31.2	31.7	33.1
g MFY + MPY	2542	2556	2683
305-day ME	45.2	45.5	47.4
Days	191	154	165

Source: Ude Schmidt farm

**Michael Beck,
Aischland Milch farm eG&R**

"During feeding **SU MILK BOOST** silage, it showed that there was an increase of approx. 2 kg milk per cow per day. The fat and protein content were also slightly higher than before. (...)

Since the end of the trial period with feeding **SU MILK BOOST** silage (approx. 5 weeks), we just feed maize silage from the 2025 harvest with the varieties MICHELEEN, KELDEO, SUCORN and SU CRUMBER.

As the silage quality of the maize harvested in 2025 is really excellent the milk yield remains at the same level, showing even a slight upward trend.

In order to draw further conclusions, it would be necessary to feed **SU MILK BOOST** silage over a longer period (at least 4 month)

As **SU MILK BOOST** is absolutely superb in terms of yield and quality, we decided to order 60 units for the 2026 sowing and we are looking forward to hopefully having more positive experiences."

As of 14th of April 2026



**Lukas Schneider,
ALM Schneider G&R**

"We grew **SU MILK BOOST** on a 5 hectares trial area and have been feeding the silage since January 2026.

The results of the silage analysis have fulfilled our expectations. Besides just under 34 % starch and 7.1 MJ NEL/kg DM, 4.6 % crude fat were measured.

We have noticed that cows, cows in early lactation, show an improved persistency. The cows are in better condition, which we attribute to the high quality grass silage from 2025 combined with the excellent maize silage.

We have completely switched our maize cultivation to **SU MILK BOOST**."

**Have we sparked you
interest?
Or would you like more
information?**



**We are more than happy to contact
you for a tailored quote or a personal
consultation.**

Simply fill out the form on the back with your contact details.

☐

I would like a tailored

SU MILK BOOST -quote for _____ units 50 M
with Korit seed treatment

First name

Surname

Farm

Street, Number

Postcode, Town

Telephone

E-mail

Farm size (ha)

thereof maize area

SAATEN-UNION contact person (if known)

☐

I hereby agree that SAATEN-UNION may inform me about its products
by e-mail, post or telephone.

☐

I would like a personal consultation about
SU MILK BOOST

☐

I would like a personal consultation about
other crops/varieties

Thank you very much for your interest!

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