



Fleckvieh

Past, Present and V isions for the Future

WSFF Council Meeting, 2007 in Prague



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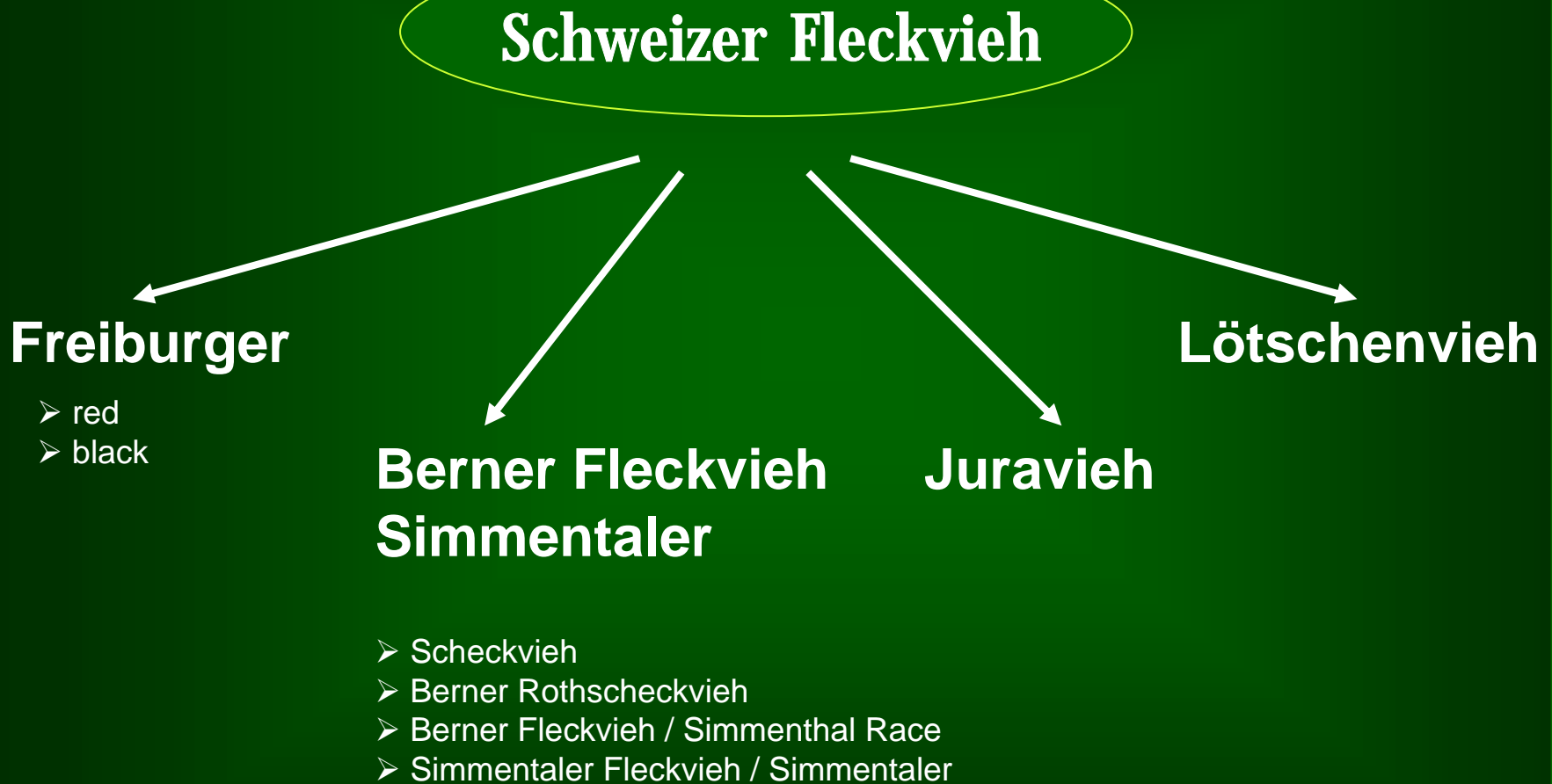


Topics:

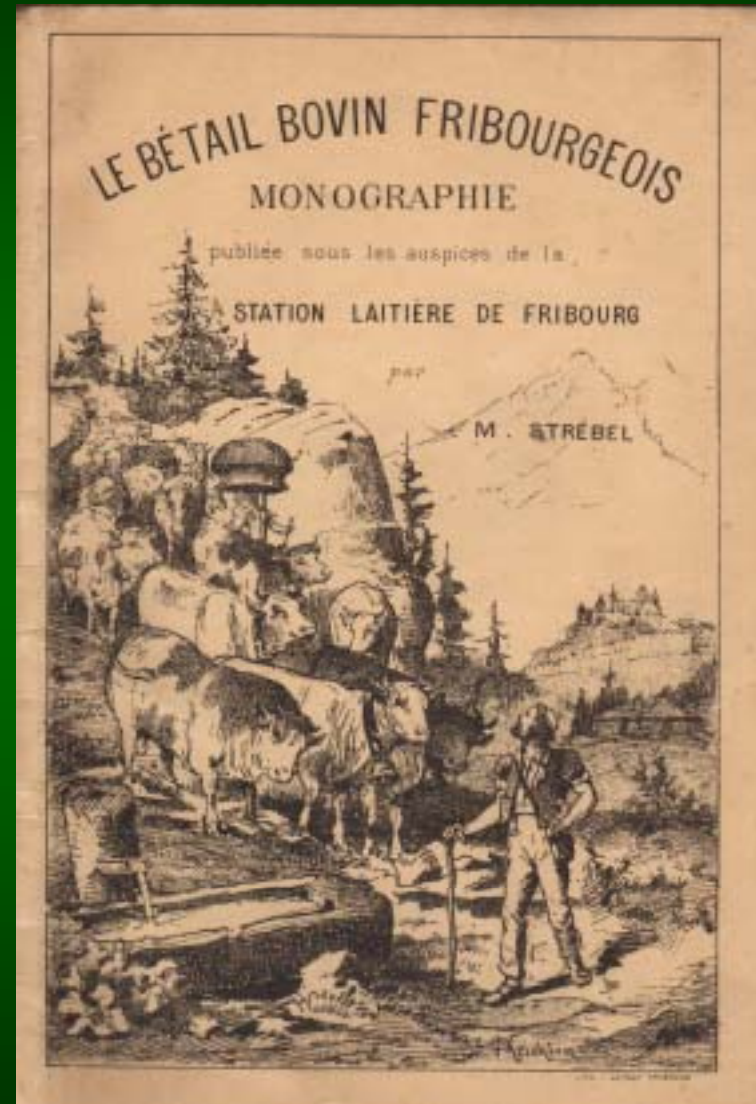
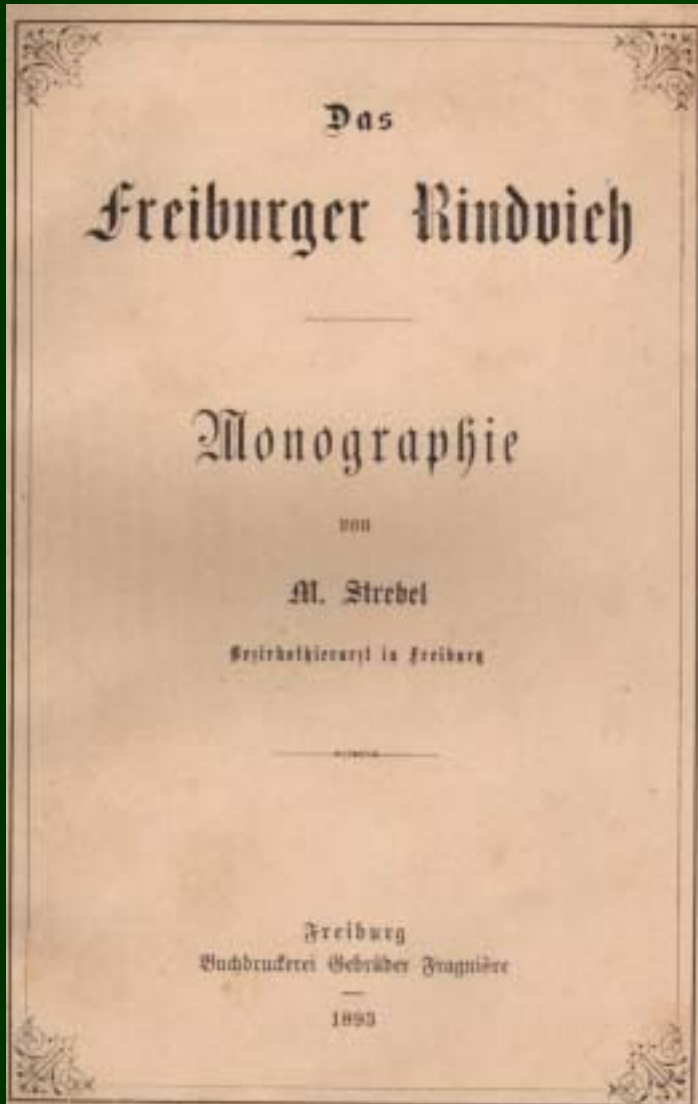


- **History of the Fleckvieh breed**
- **The development from a triple purpose breed to a dual purpose breed and how the type traits changed**
- **Actual performance requirements for milk, beef and fitness**
- **How does the ideal dual purpose Fleckvieh cow and bull look like?**
- **Crossbreeding – A chance for the dual purpose breed Fleckvieh**
- **The future of the Fleckvieh breed – More than just a vision**

History of the Fleckvieh breed:



Freiburger Vieh



Freiburger Vieh



Freiburger Rindvieh

- black -

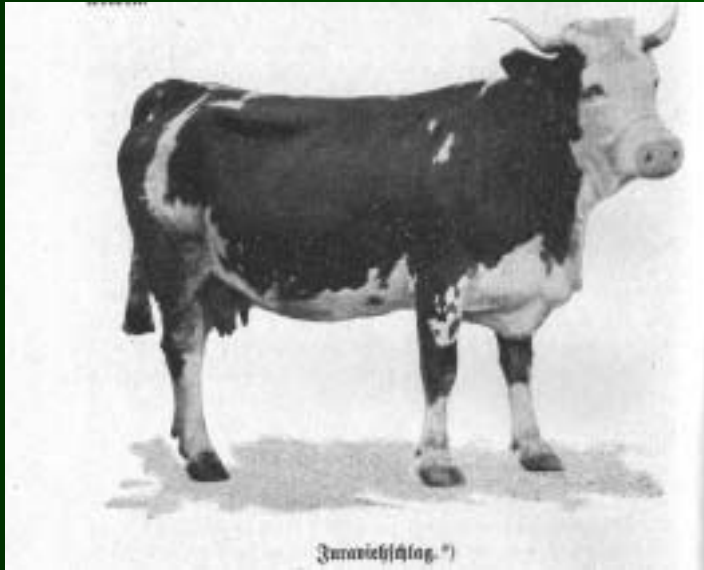


Le Bétail Bovin Fribourgeois

- red -



Juravieh



Juravieh (Hog. *)

Lötschenvieh



Loetschenkuh, Valais. *)

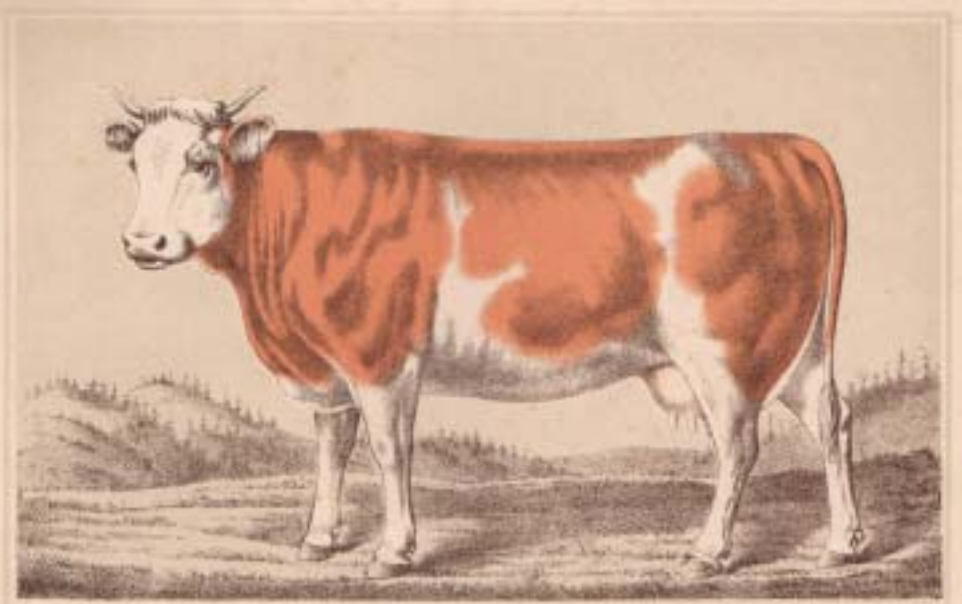
Berner Fleckvieh / Simmentaler



Berner Fleckvieh / Simmentaler



BERNER ROTSCHECK-VIEH.



BERNER ROTSCHECK-VIEH.

Berner Fleckvieh/Simmentaler



The development from a triple purpose breed to a dual purpose breed



The development from a triple purpose breed to a dual purpose breed



Draught performance



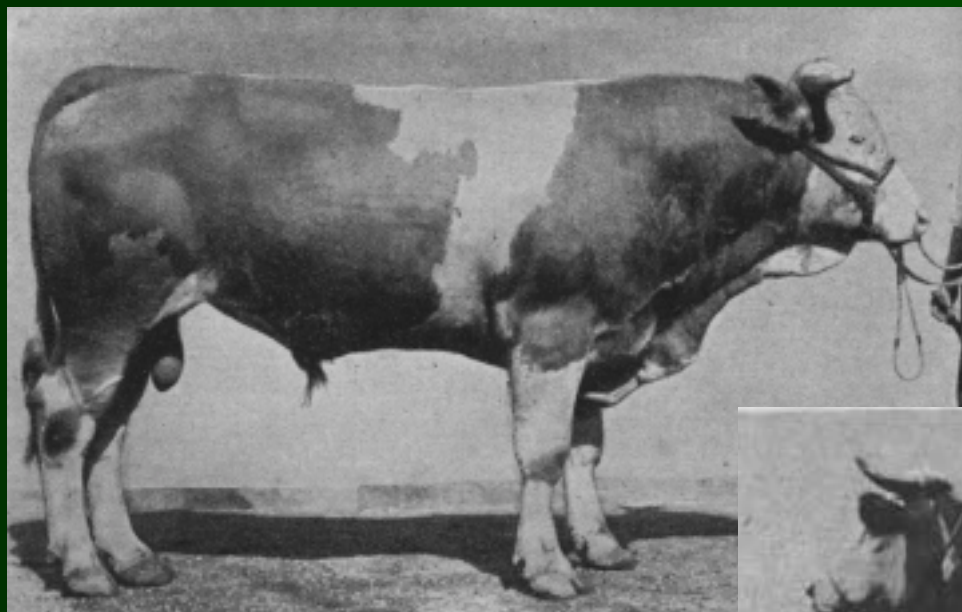
Milk production



Beef production

The development from a triple purpose breed to a dual purpose breed

1890

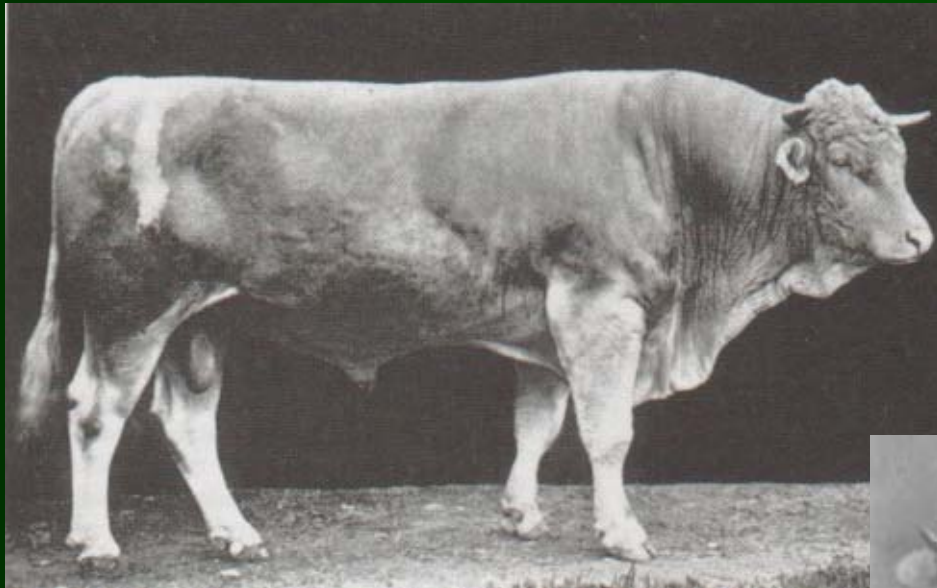


Hans



The development from a triple purpose breed to a dual purpose breed

1900



Aktionär

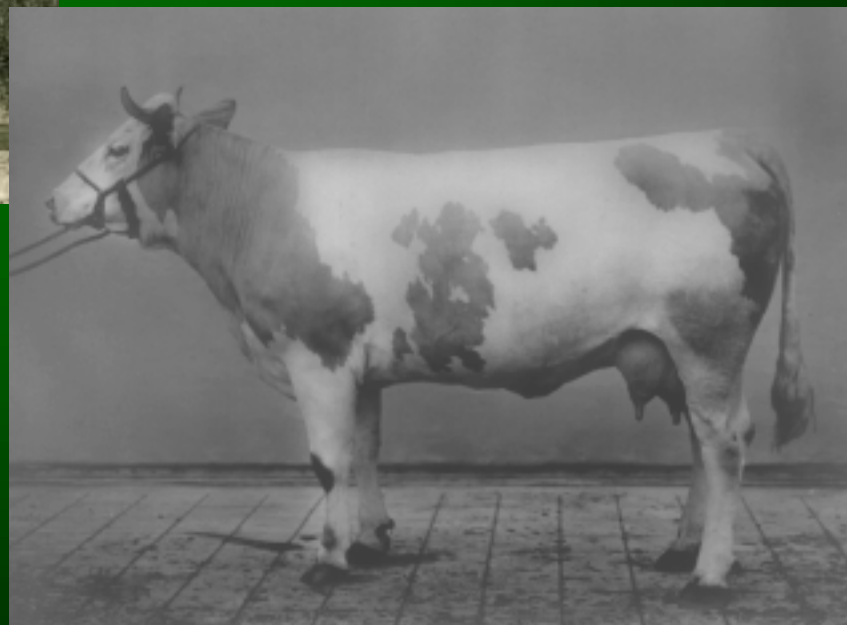


The development from a triple purpose breed to a dual purpose breed

1910

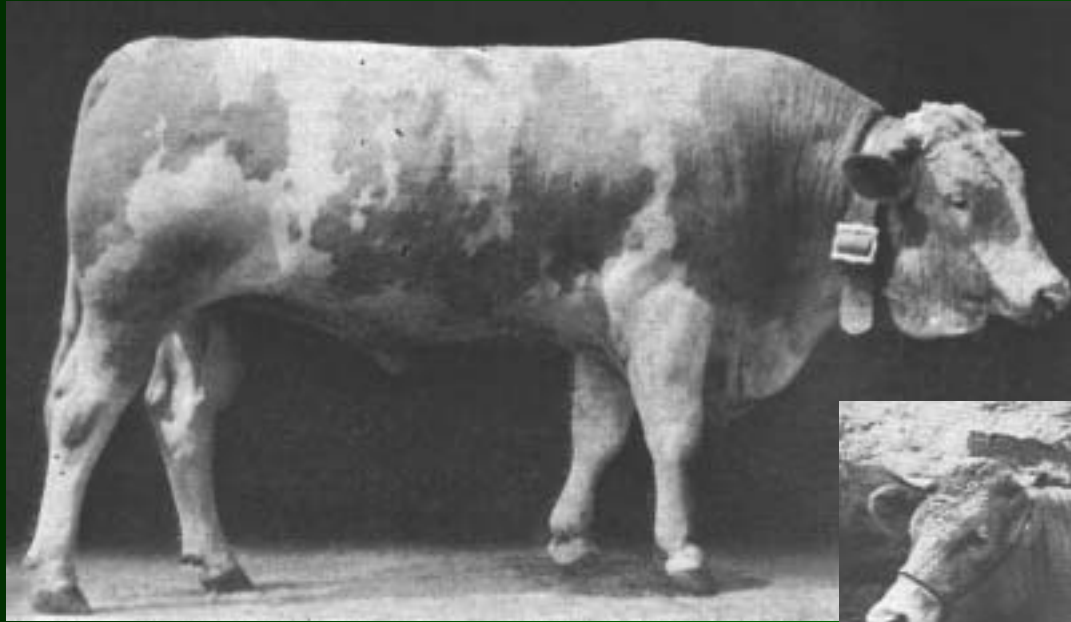


Regent 566 O Z



The development from a triple purpose breed to a dual purpose breed

1920



Peter



The development from a triple purpose breed to a dual purpose breed

1930

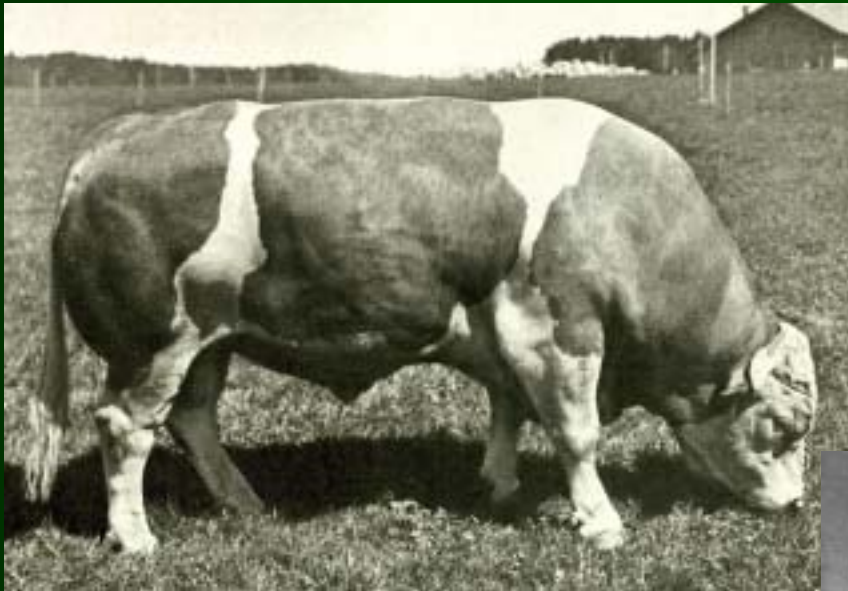


Humboldt 3743

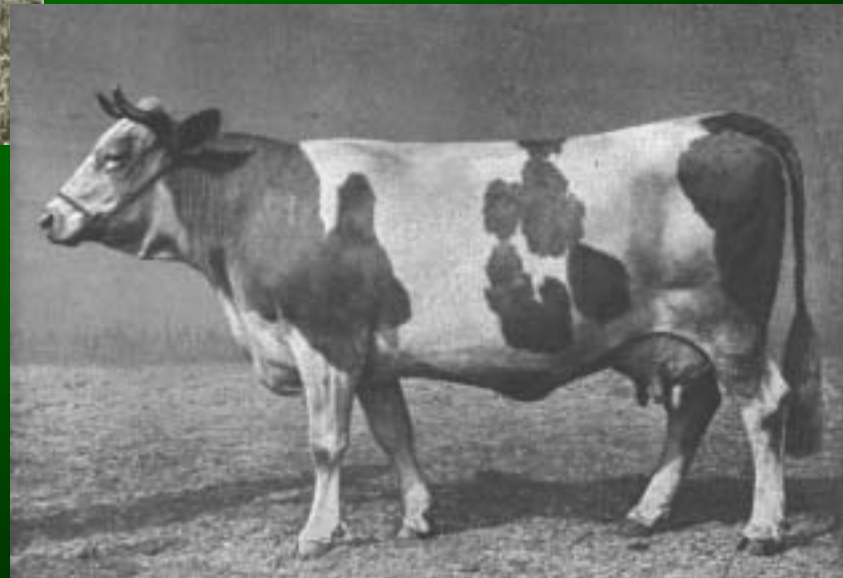


The development from a triple purpose breed to a dual purpose breed

1940



Heino 5143



The development from a triple purpose breed to a dual purpose breed

1950



Bemitt 24672/O W



The development from a triple purpose breed to a dual purpose breed

1960



H axl2356 /13



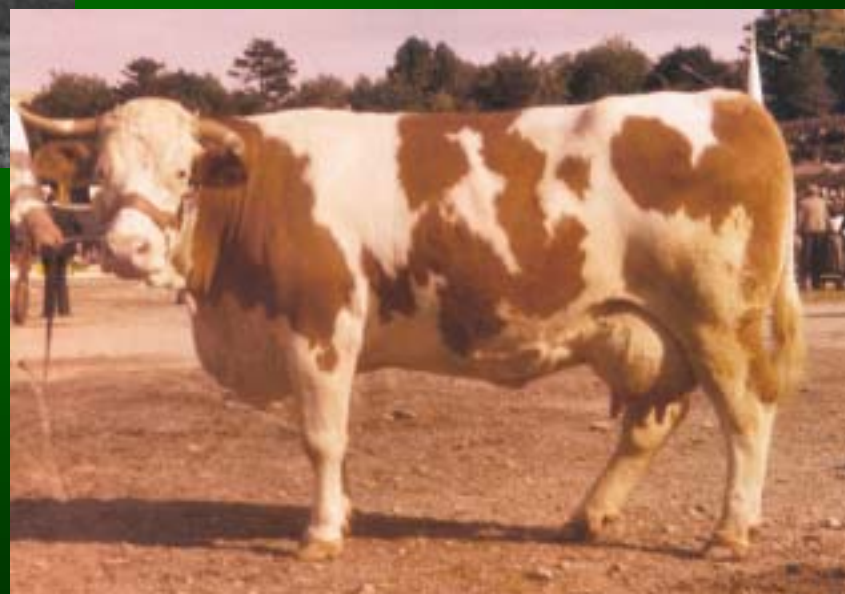
A bpis 27999 /0 W

The development from a triple purpose breed to a dual purpose breed

1970



Zebt 16040/18



The development from a triple purpose breed to a dual purpose breed

1980



Hebel 13/3790



The development from a triple purpose breed to a dual purpose breed

1990



Regio 10/191190



The development from a triple purpose breed to a dual purpose breed

2000



Zeitbs 10/191640



The development from a triple purpose breed to a dual purpose breed

Actual performance requirements for milk, beef and fitness



Our breeding aim for Fleckvieh:

Balanced, productive and high efficient dual purpose cattle suitable for the production of milk, beef and by-products, that can be kept in all production systems around the world.

Milk production:



- 10-times the liveweight per year in kg
- 30.000 kg lifetime production
- 1.200 fat kg
- 1.100 protein kg

- First test day as young cows: 25 kg milk
- First test day with 2nd calf: 30 kg milk
- First test day with 3rd calf: 30 - 35 kg milk

- Extremely flat lactation curves

Udder health:



➤ Somatic cells / ml
milk < 150.000 over
all lactations



➤ No dipping needed

Beef production:

- Production of at least 4 calves per cow and lifetime Intercalving period of 365 days
- Weaning weights of Fleckvieh bull calves 300kg at 6 months of age
- Carcass grades of slaughter cows at least R3, when fed with TMR, U3



Fleckvieh weaners

Don't go for the extremes!



Milk



Dual purpose



Beef

Changes of the type due to the breeding for one single trait

Actual performance requirements for milk, beef and fitness



How does the ideal dual purpose Fleckvieh cow look like?

- Feminine
- Balanced
- Productive in milk & beef
- Pigmented
- Smooth coated
- Excellent skeleton
- (Polled)

How does the ideal dual purpose Fleckvieh cow and bull look like?

Type-cow



1st lactation, 286 days:
8.665 – 4,14 – 3,53



2nd lactation, 290 days:
9.635 – 4,40 – 3,67



3rd lactation, 299 days:
10.624 – 4,01 – 3,46

How does the ideal dual purpose Fleckvieh cow and bull look like?

Type-bull



Weaner



15 months

Development
of the bull
Exodus PP



4 years

How does the ideal dual purpose Fleckvieh cow and bull look like?



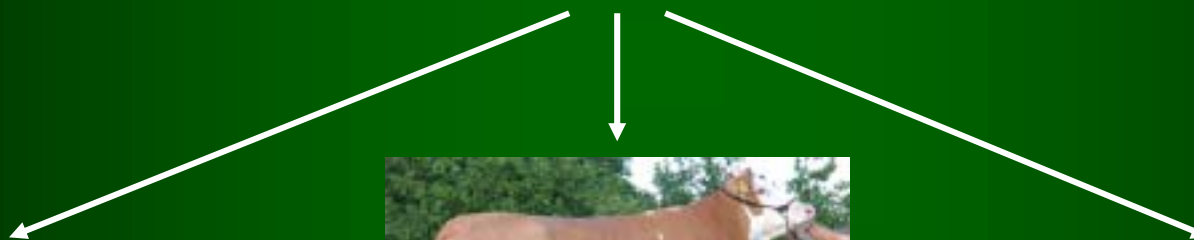
Crossbreeding

A global chance for the dual purpose breed Fleckvieh

Why? Because of important economic advantages!

- Beef
- Milk quality
- Hardiness
- Fitness
- Efficiency
- Temperament
- Polled factor

Crossbreeding with dairy breeds



Fleckvieh x Jersey



Fleckvieh

Fleckvieh x Holstein



Crossbreeding – A global chance for the dual purpose breed Fleckvieh



The future of the Fleckvieh breed

More than just a vision



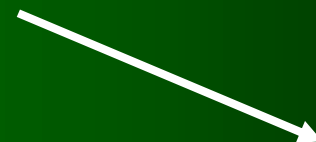
What is the future of the Fleckvieh breed?



**Crossing with
dairy breeds**



Dual purpose



**Crossing with
beef breeds**





- **The dual purpose breed Fleckvieh becomes the most important cattle breed worldwide because of its efficiency**
- **For crossing programs with dairy breeds Fleckvieh becomes the most important sire breed, with beef breeds the most important dam breed**
- **An economically efficient dairy production is only possible with a productive dual purpose breed as Fleckvieh - this is especially true for family farms**
- **Fleckvieh is the only breed that meets the highest demands regarding milk hygiene**



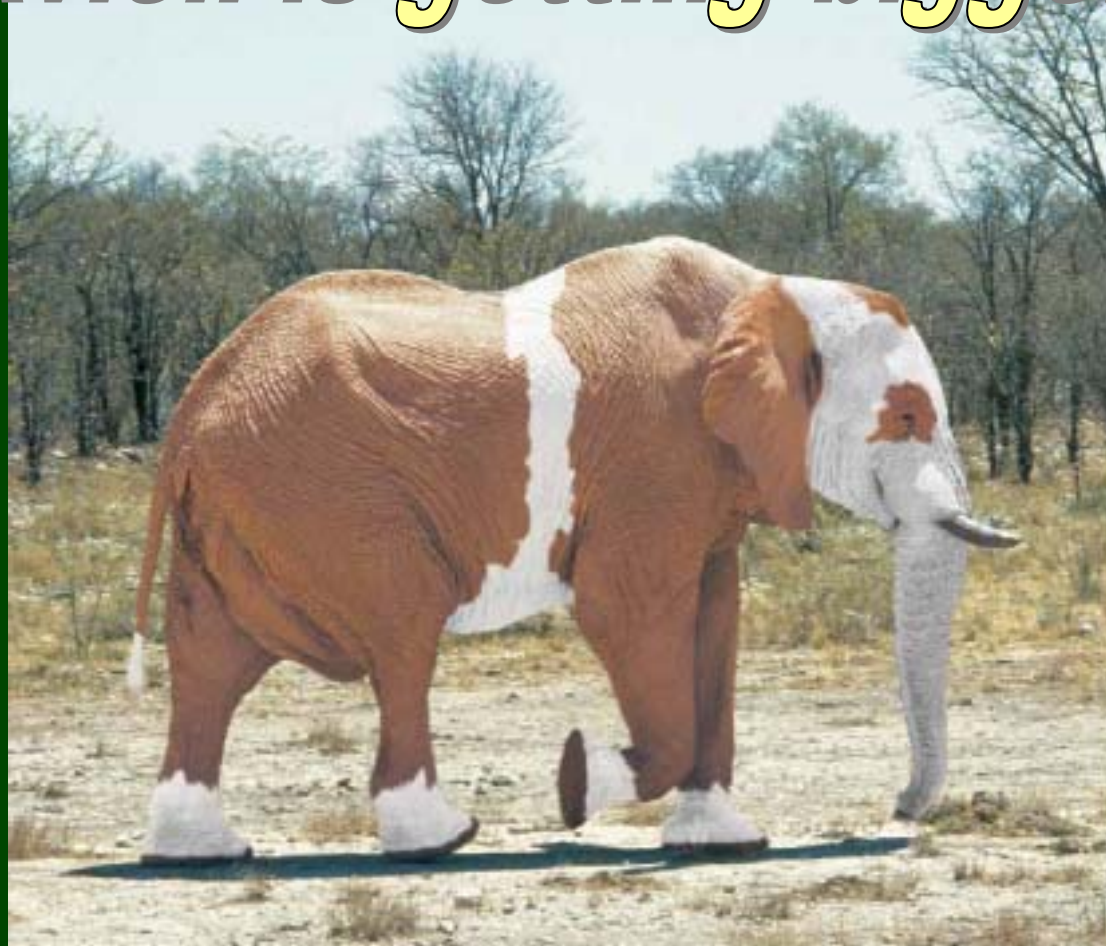
- **Fleckvieh is suited for automatic milking systems and standardized feeding systems (TMR) better than any other breed**
- **The influence of Fleckvieh genetics in extensive beef breeding will rise in the future – at the same time beef production with classical dual purpose breeds gets more and more popular worldwide**
- **In the future only high quality carcasses like those of Fleckvieh can be marketed in an economically efficient way**



- **Fleckvieh and Fleckvieh crossings meet the demands of the consumers regarding harmonic cattle that do not go for the extremes**
- **The dual purpose breed Fleckvieh helps to reduce the ecological problem of the greenhouse effect**
- **Fleckvieh is the only cattle breed worldwide that is suited for all known production systems, from dairy ranching to an intensive milk and beef production**



Fleckvieh is getting bigger...



...if we don't make big mistakes!