THE GRASS-FED SUPPLY CHAIN IN PIEDMONT: FARM PRODUCTION AND FARMERS POINT OF VIEW

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THE GRASS-FED SUPPLY CHAIN IN PIEDMONT: FARM PRODUCTION AND FARMERS POINT OF VIEW

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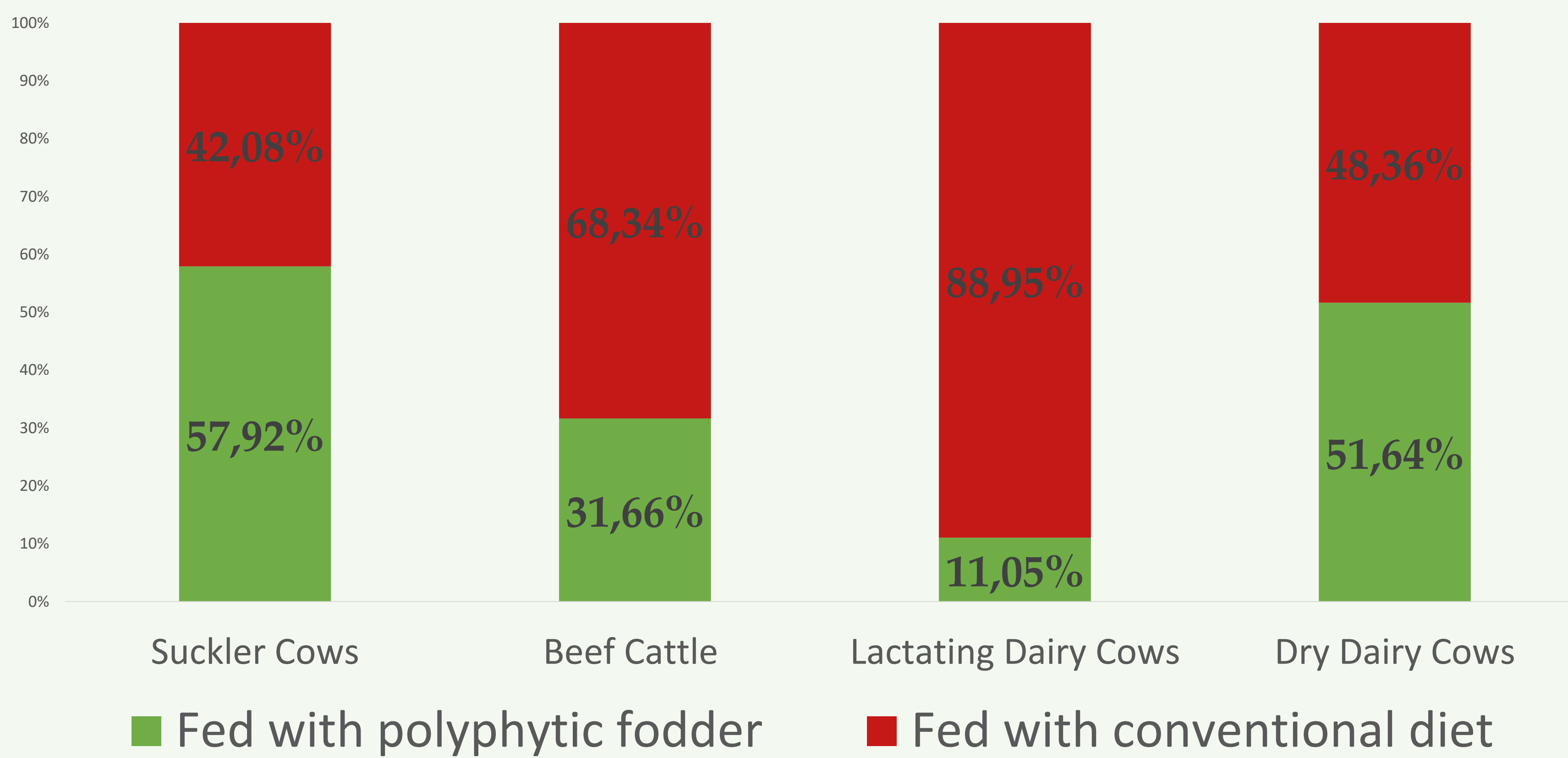
Legend: 0 | 5-35% | 35-50% | 50-70% | 70-99% | 100%

27,62% | 22,86% | 24,76% | 8,57% | 9,52% | 6,67%
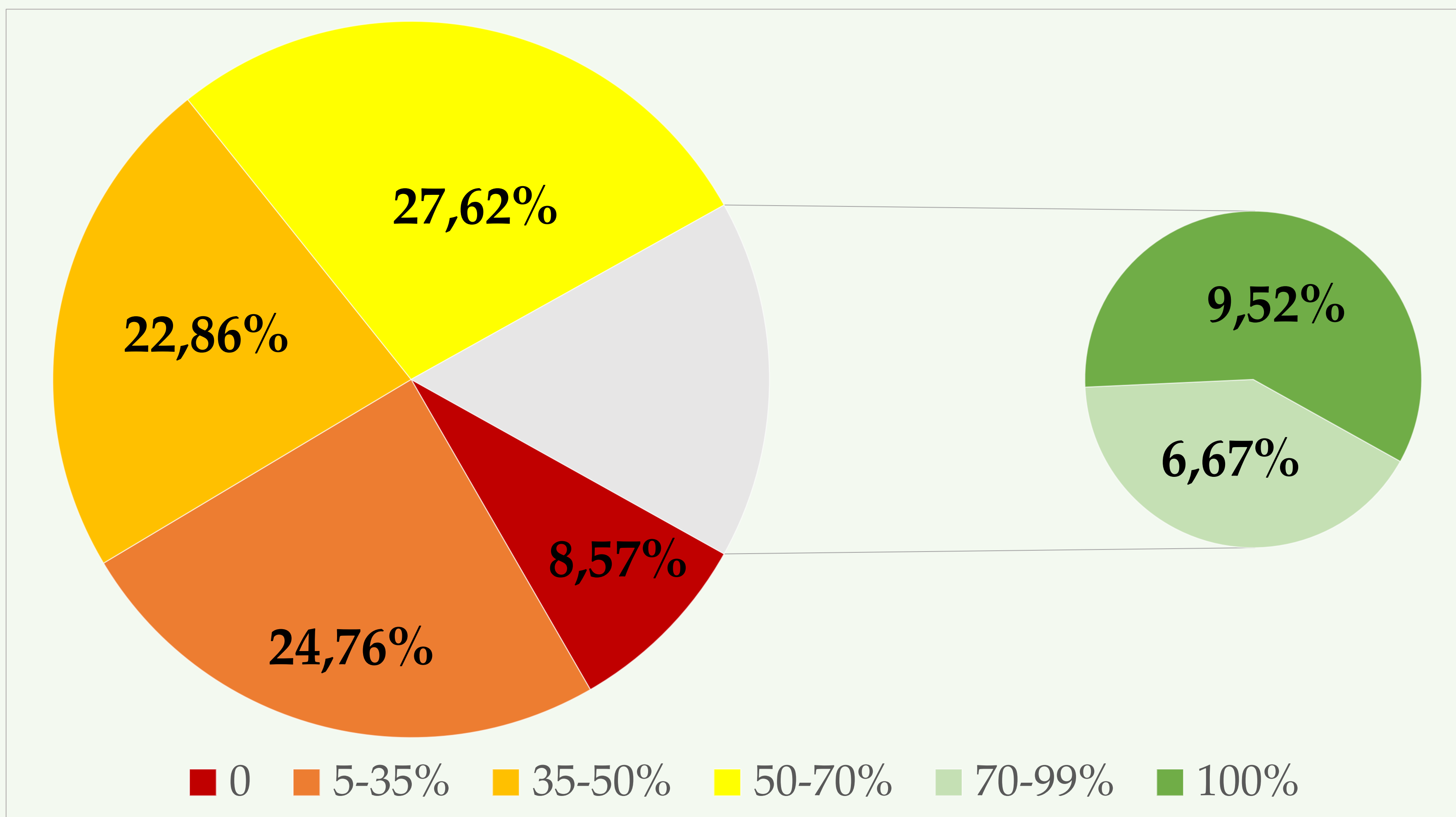
SAMPLE: 105 farms located in Piedmont
SURVEY: questionnaire online — LimeSurvey

How widespread is the use of polyphytic fodder among the farms?...

Milk — Meat
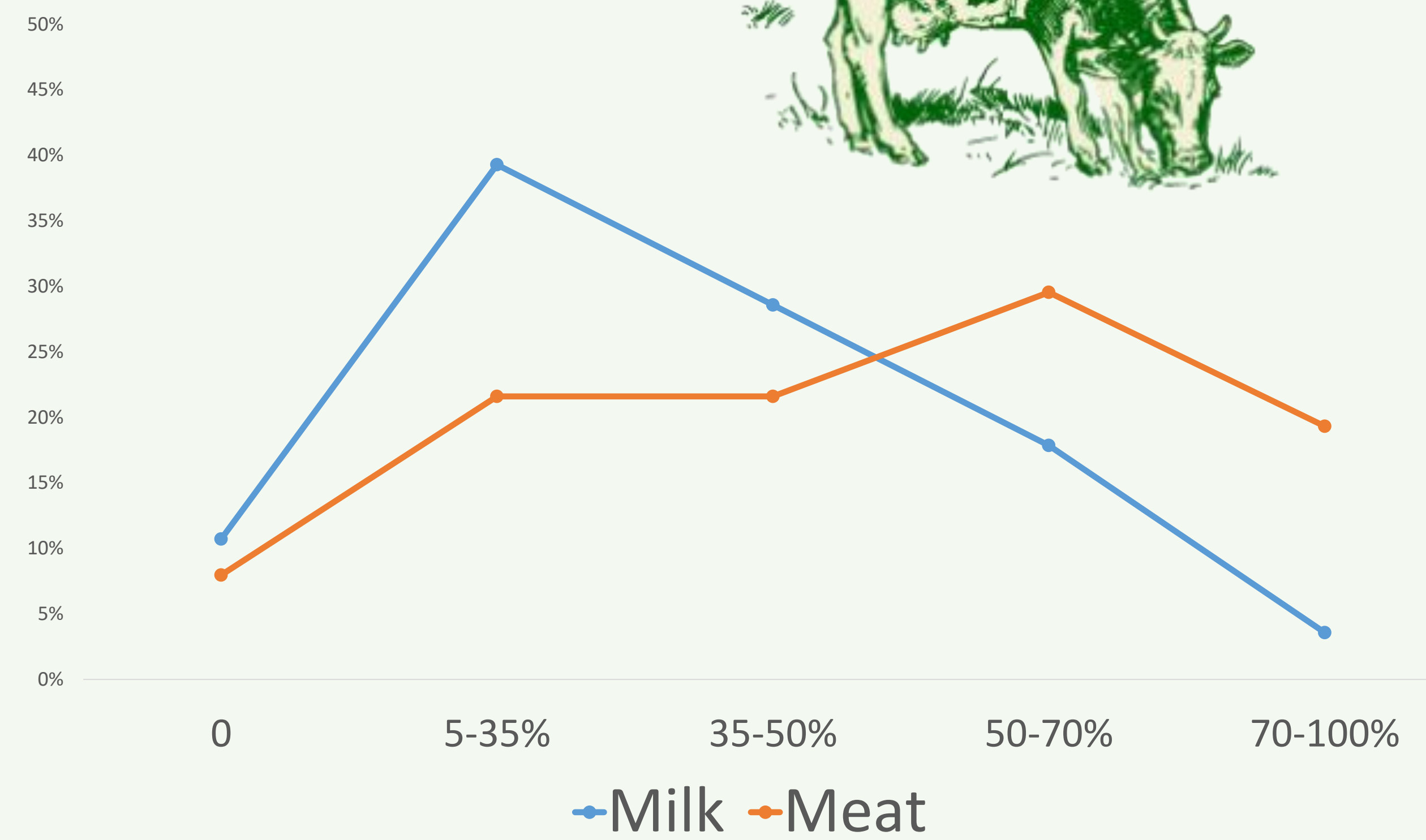
… and how among the meat and milk supply chains?

Suckler Cows: Fed with polyphytic fodder 57,92% / Fed with conventional diet 42,08%
Beef Cattle: Fed with polyphytic fodder 31,66% / Fed with conventional diet 68,34%
Lactating Dairy Cows: Fed with polyphytic fodder 11,05% / Fed with conventional diet 88,95%
Dry Dairy Cows: Fed with polyphytic fodder 51,64% / Fed with conventional diet 48,36%

Fed with polyphytic fodder | Fed with conventional diet

OLS MODEL carried out with Rstudio
Prof. L. Bollani review

	Dependent variable: POLYPHYTIC FODDER USAGE
LIVESTOCK UNITS	-0.040**
	(0.018)
LAND USE (PASTURE)	17.863*
	(9.994)
LAND USE (MOWING)	14.282**
	(5.463)
CERTIFICATION	-9.739*
	(5.513)
SHORT FOOD SUPPLY CHAIN	15.572*
	(9.049)
SUSTAINABILITY CONSCIOUSNESS	4.296**
	(2.038)
Constant	22.596*
	(13.553)
Observations	105
R^2	0.238
Adjusted R^2	0.192
Residual Std. Error	25.461 (df = 98)
F Statistic	5.106*** (df = 6; 98)
Note:	*$p<0.1$; **$p<0.05$; ***$p<0.01$

HIGHLIGHTS

- The model suggests that the largest farms in term of livestock units use statistically less polyphytic fodder.
- On the contrary, the preference for the short food supply chain, as direct sales, has an estimated positive effect in their utilisation.
- A positive effect was also found for sustainability consciousness expressed by farmers, more they stated important the effort to achieve sustainability more the diffusion of this type of livestock diet increases.

PAY ATTENTION TO CERTIFICATION VARIABLE!

It was found that the ownership of certification by a farm has an estimated negative effect on the percentage of polyphytic fodder use. This could be due to certifications imposing production guidelines. However, since the farms have indicated several certifications (around 20 types), to explain this result, their effect will be analysed in detail.

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