



Mother bound fattening on extensive greenland pastures with Waldschaf lambs and crossbreed lambs

28. Annual Meeting of DAGENE

Tradition and Innovation in preservation of autochthonous breeds

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Background

- Lamb meat production:
 - Specialized meat breeds
 - Intensive feeding conditions
- Commercial food retailers demand:
 - Approx. 42 kg Body weight
 - Less than 5 month of age
- Waldschaf (endangered breed)
 - Hardiness and fitness for landscaping
 - Small framed breed (ewes: 45-65 kg, rams: 60-80 kg)
- Aim of the study
 - Investigate the performance of pure-bred Waldschaf and crossbred lambs of Ile de France x Waldschaf on extensive pasture

Material und Method

	2015	2016
n W ewes	20	23
n W lambs	11	17
n lxW Lambs	9	18
Extensive pasture, ha	2,4	2,4
Lucerne, ha		0,6
Birth periode	6.4.-26.4.15	24.3.-9.4.16
Start of pasture	5.5.15	27.4.16
Age at start of pasture (mean)	3 weeks (30 – 9 days)	4 weeks (35 – 19 days)
weaning (Ø age of lambs)	5.8.15 (113 days)	4.7.16 (97 days)
End of pasture trial	26.8.15	13.9.16
weight at start of pasture: WS	8,5	10,8
Weight at start of pasture: lxWS	9,9	10,7
Weight at end of pasture: WS	31,4	30,7
Weight at end of pasture: lxWS	38,0	35,1
Ø age at end of pasture (d/ m)	134 / 4,8	167 / 5,9

Material und Method



Material und Method



Material und Method



Material und Method



Muscle

E (VORZÜGLICH)



U (SEHR GUT)



R (GUT)



O (MITTEL)



P (GERING)



Adiposity

1 (SEHR GERING)



2 (GERING)



3 (MITTEL)



4 (STARK)



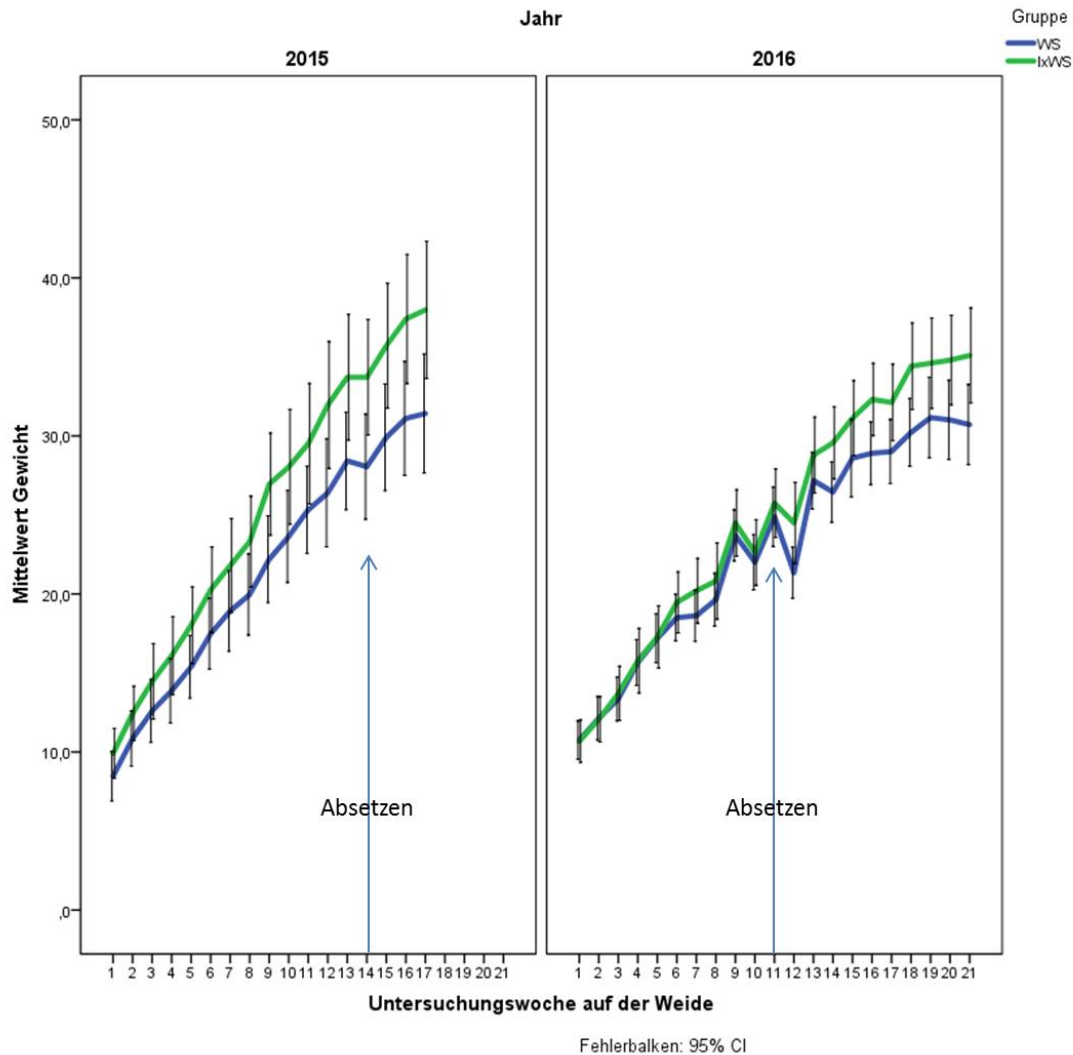
5 (SEHR STARK)



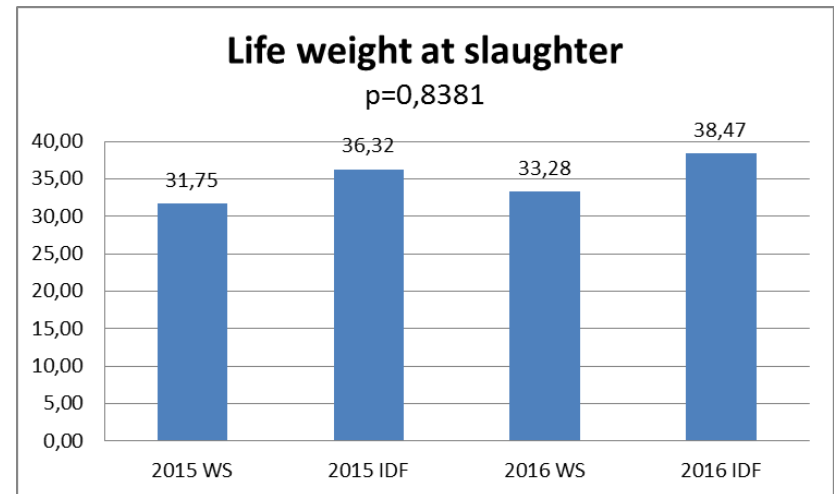
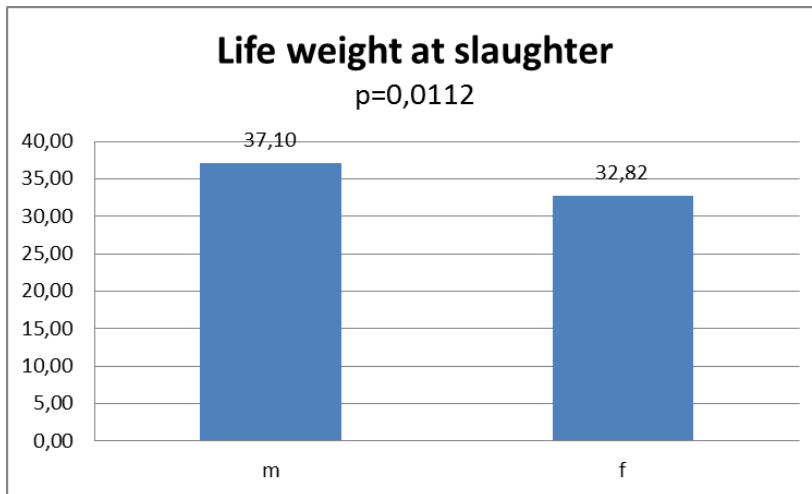
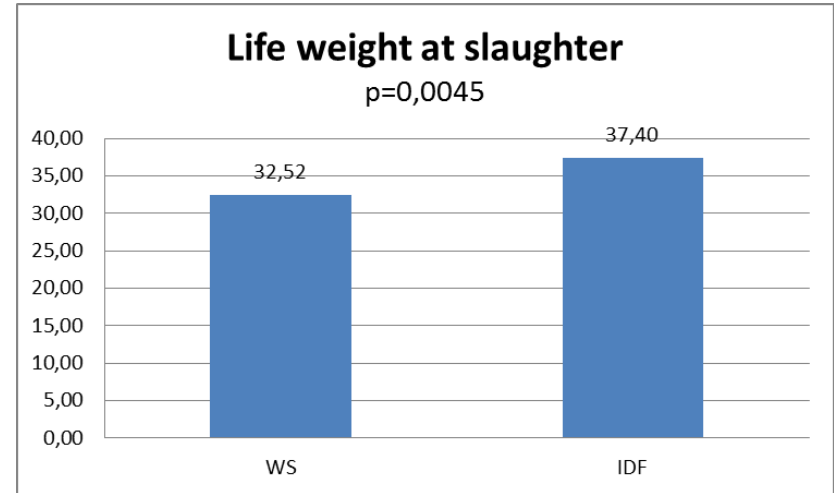
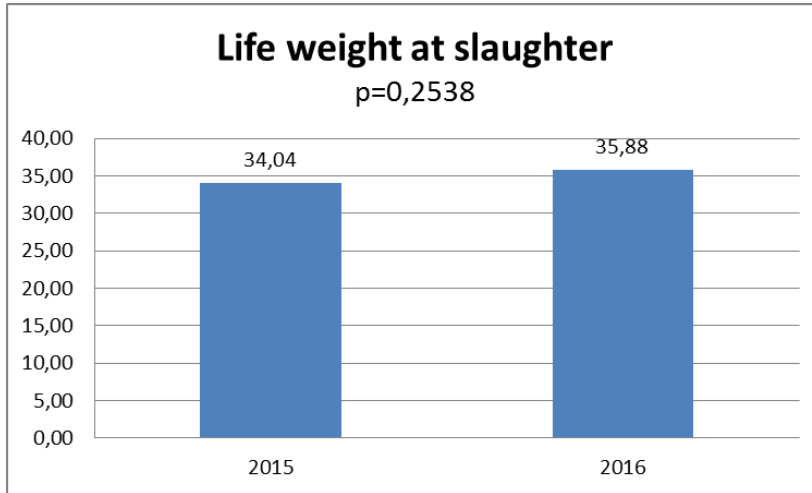
Daily weight gain

			WS	IxWS
Before weaning	2015	Week 1-14	215	262
	2016	Week 1-11	201	214
After weaning	2015	Week 14-17	118	154
	2016	Week 11-21	75	122
Pasture periode	2015	Week 1-17	192	236
	2016	Week 1-21	135	166

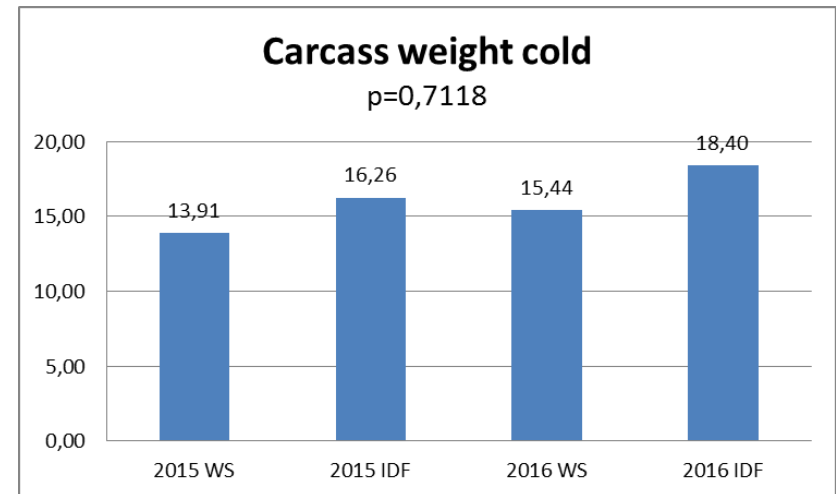
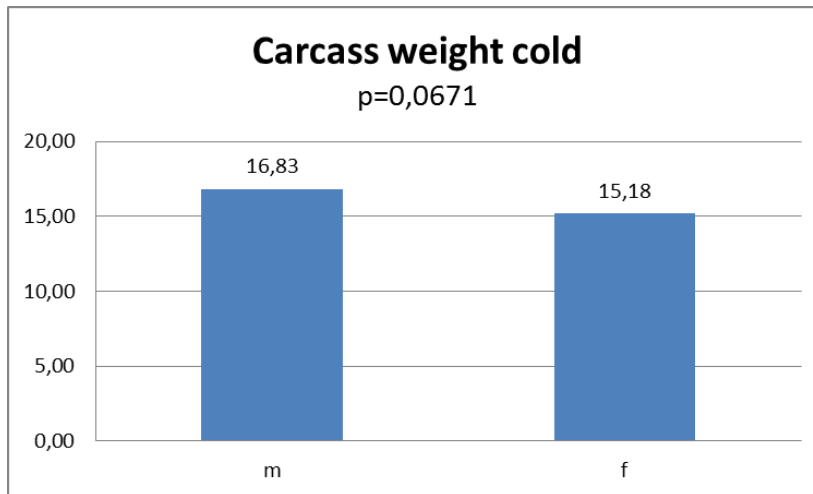
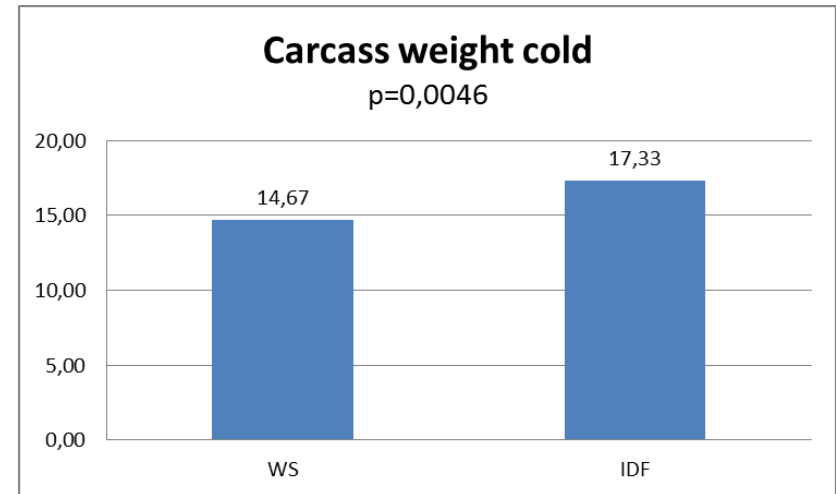
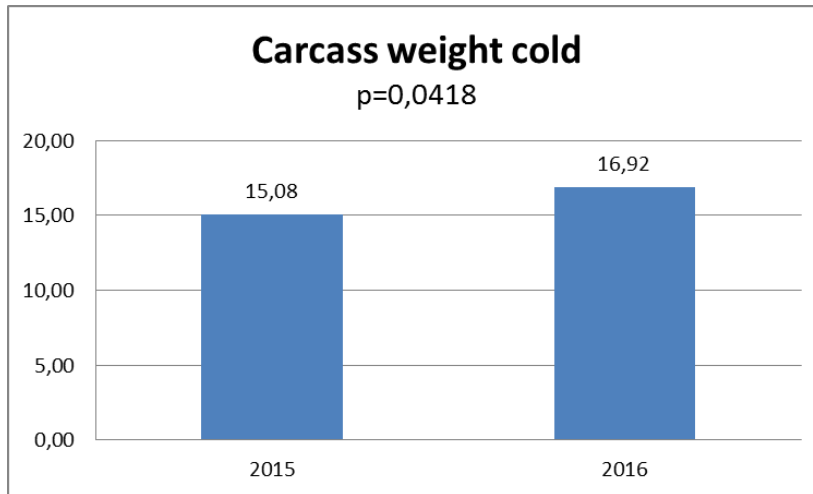
Daily weight gain (on pasture)



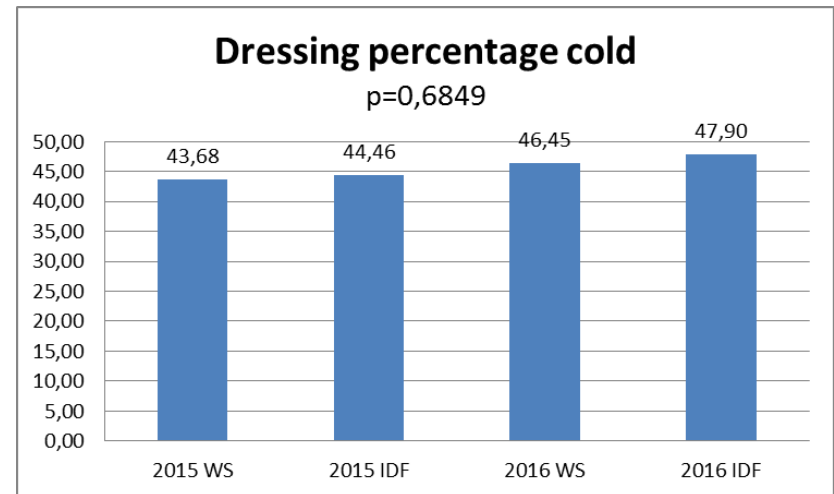
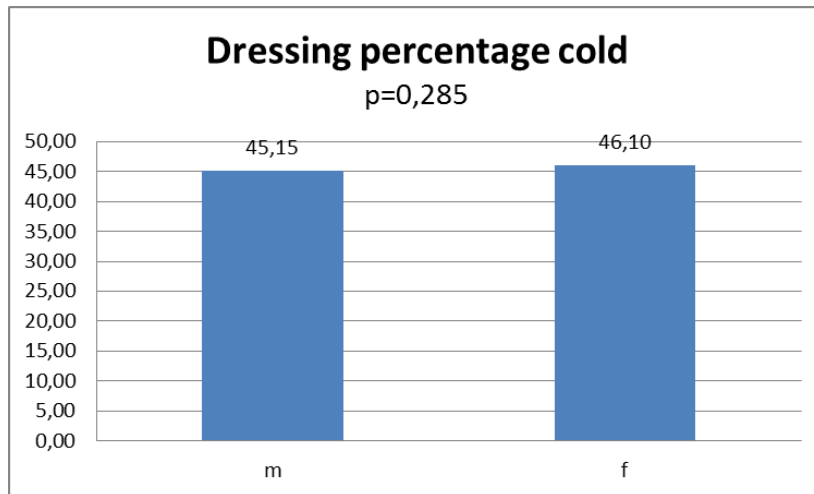
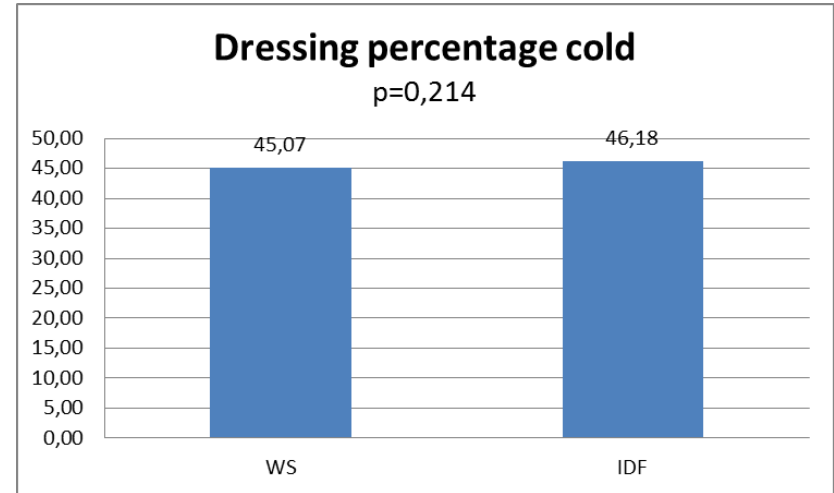
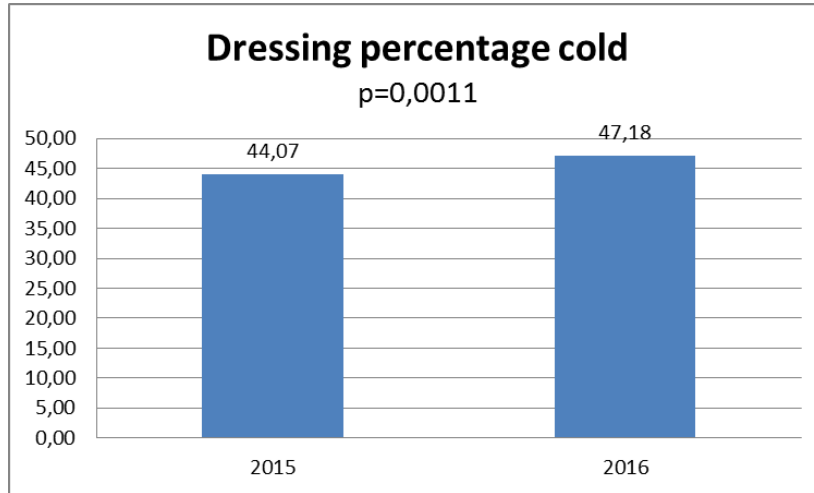
Life Weight at slaughter



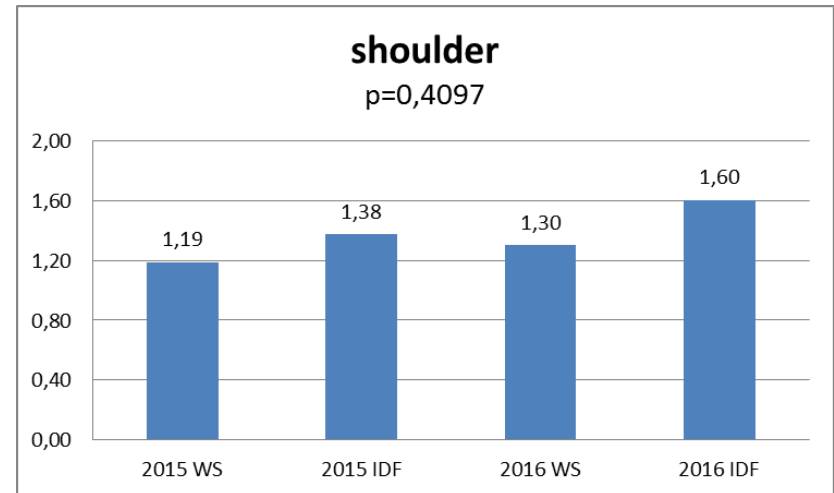
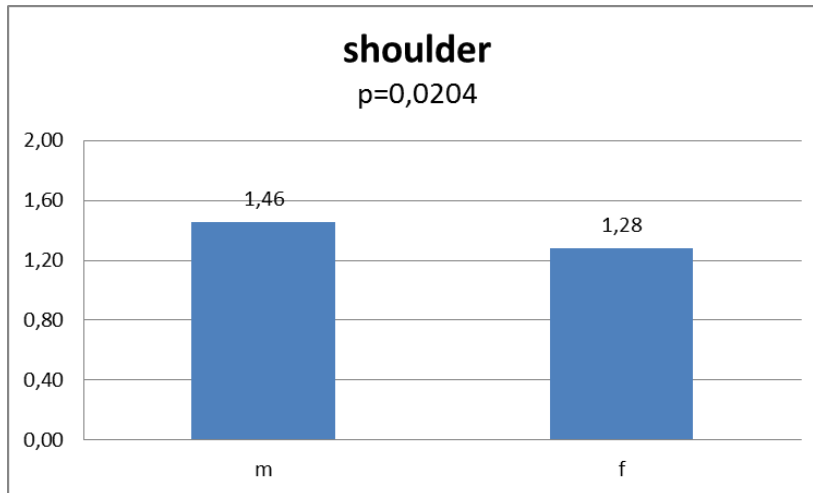
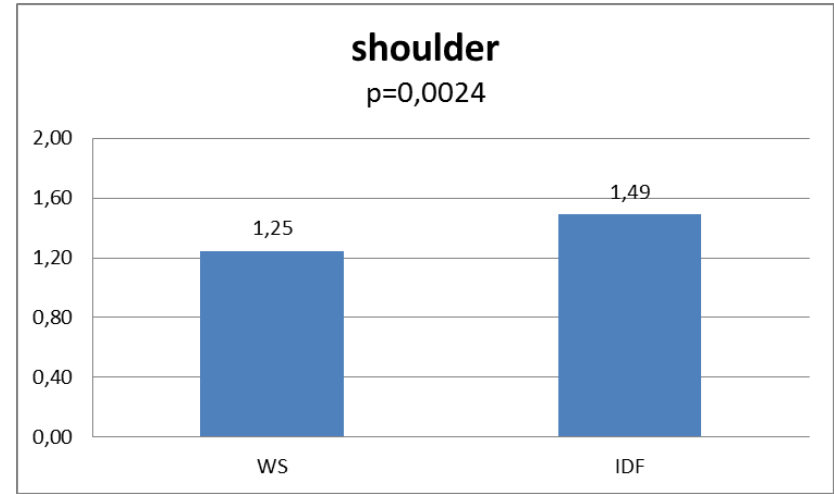
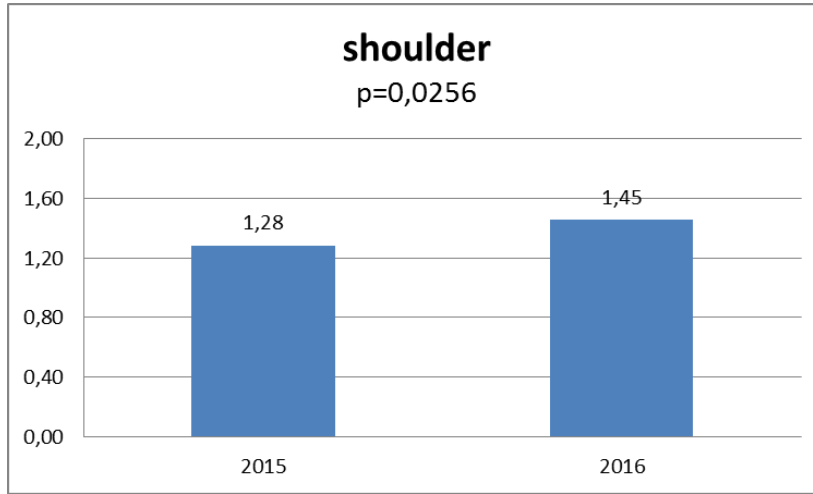
Carcass weight cold



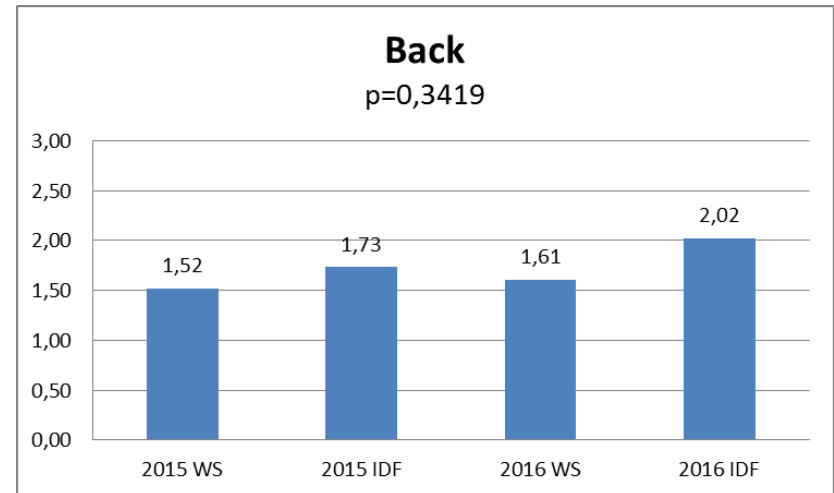
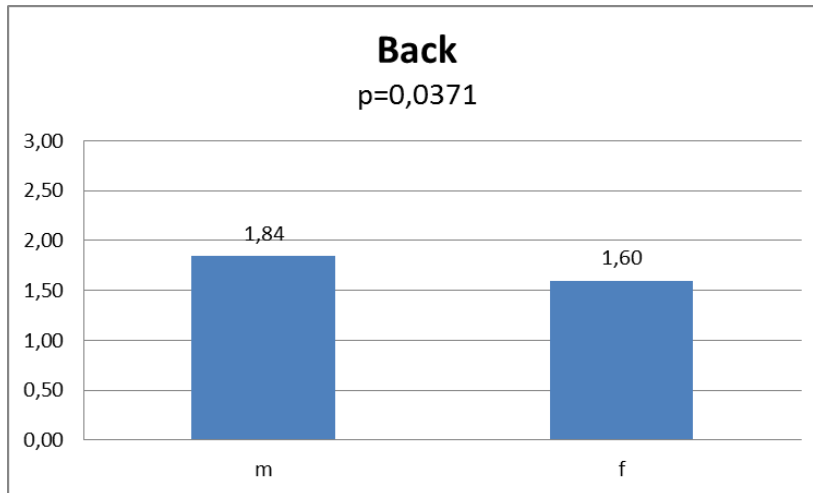
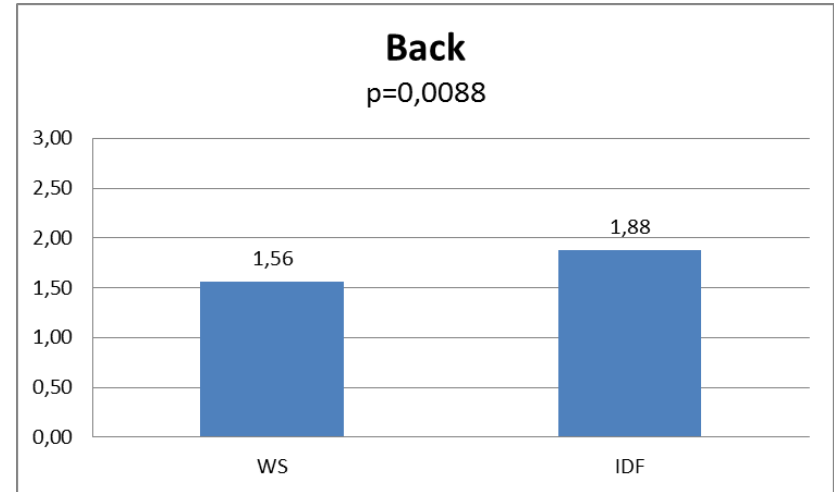
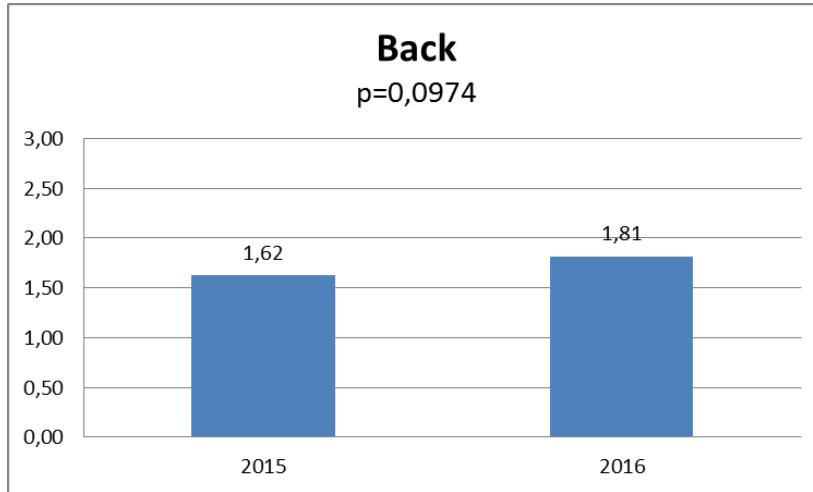
Dressing percentage cold



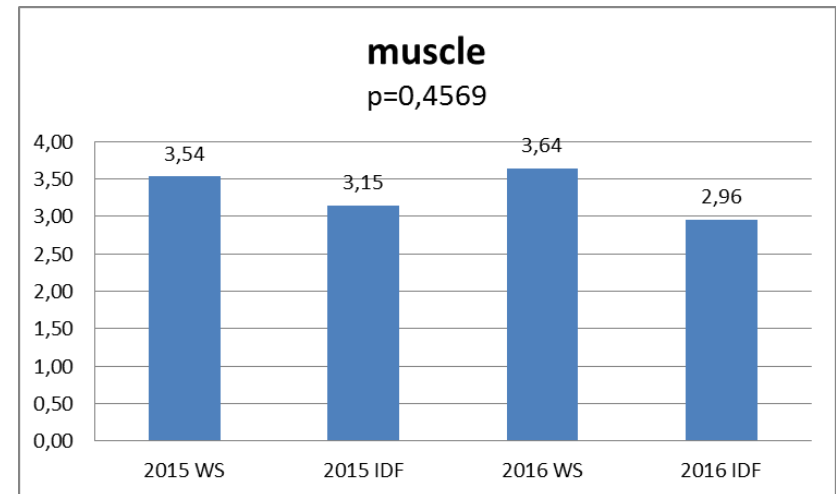
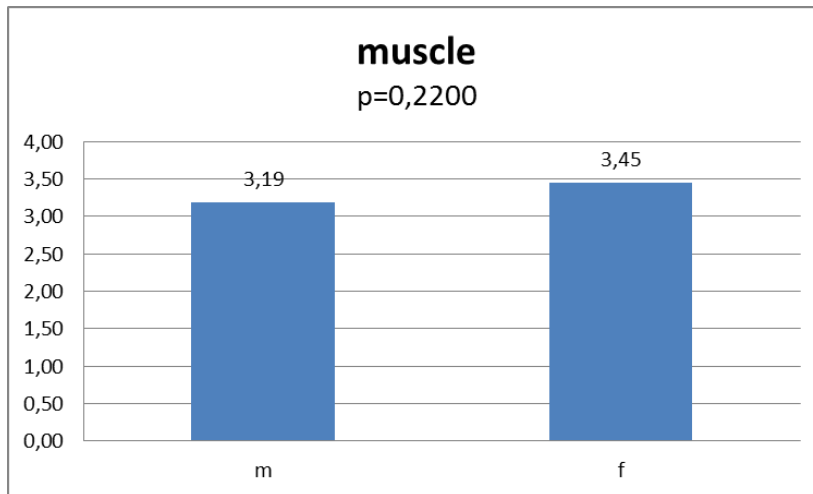
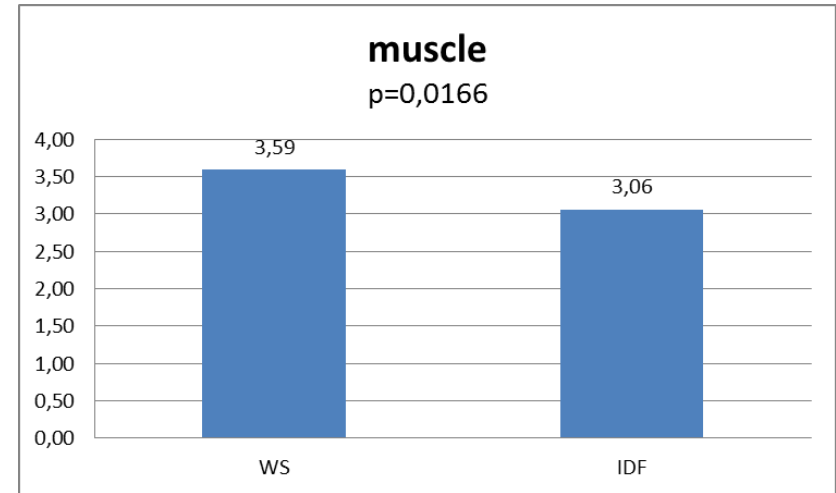
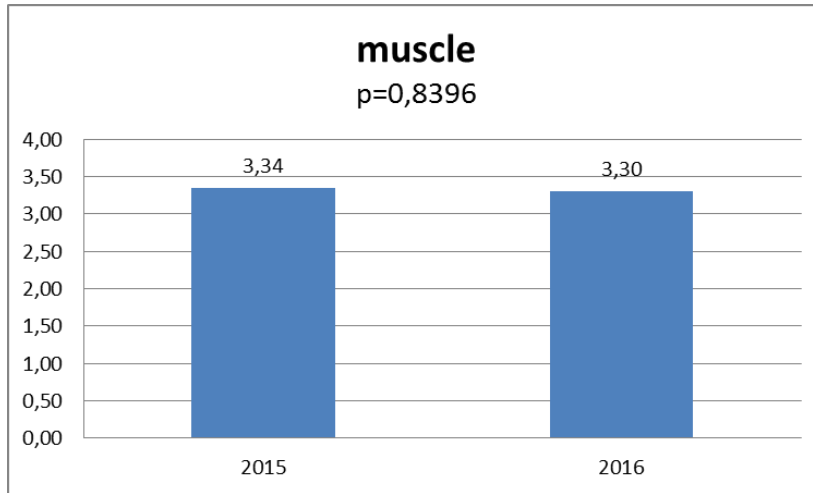
Shoulder



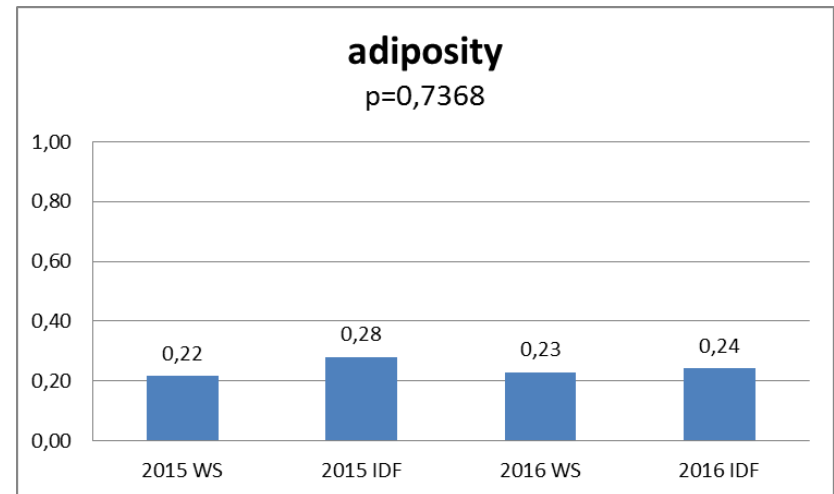
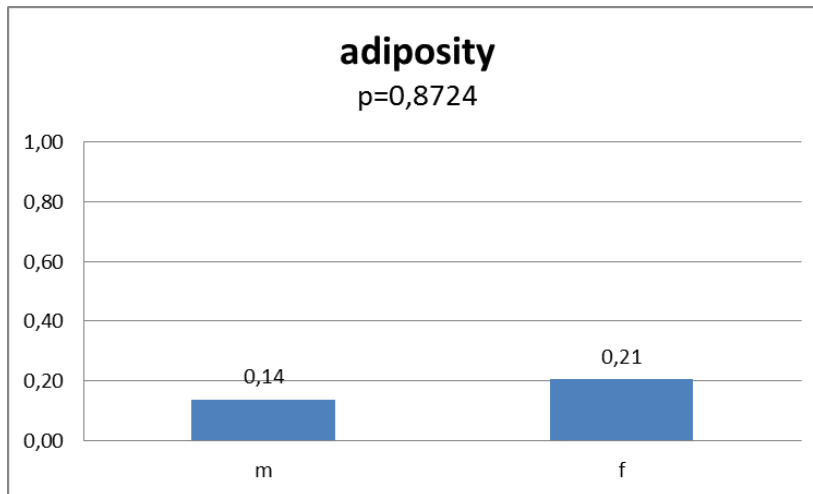
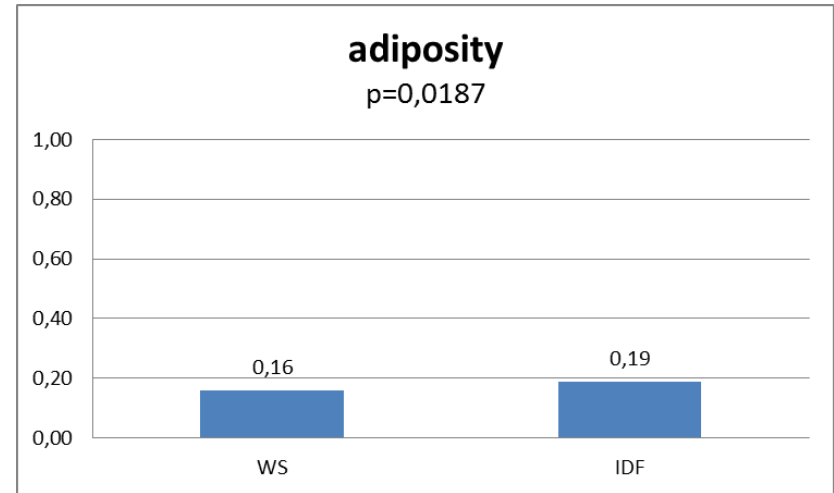
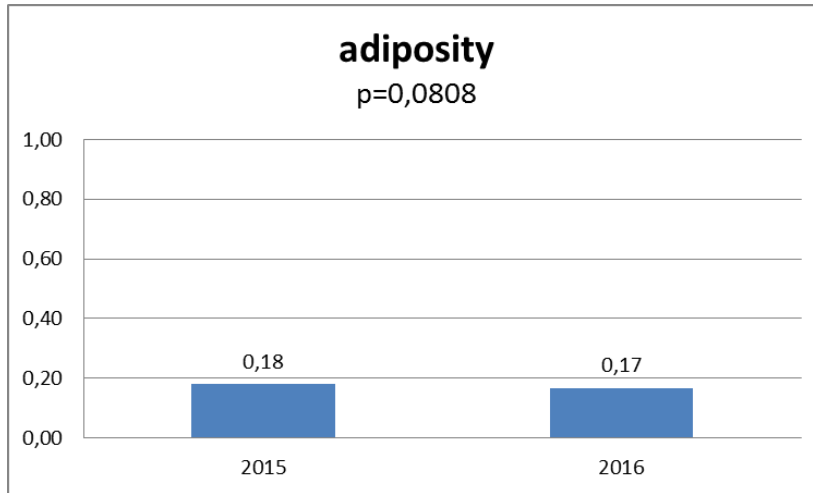
Back



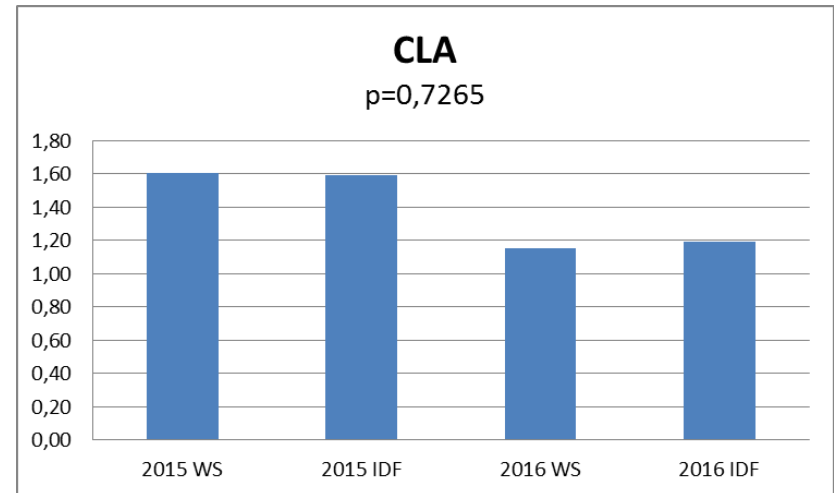
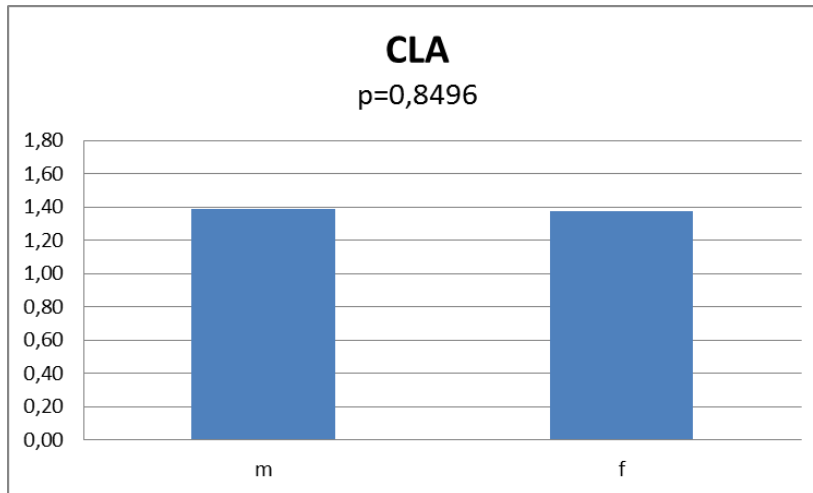
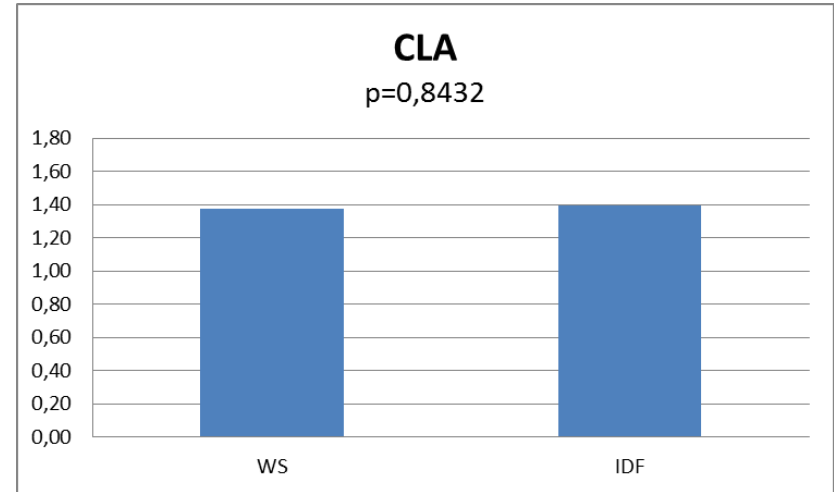
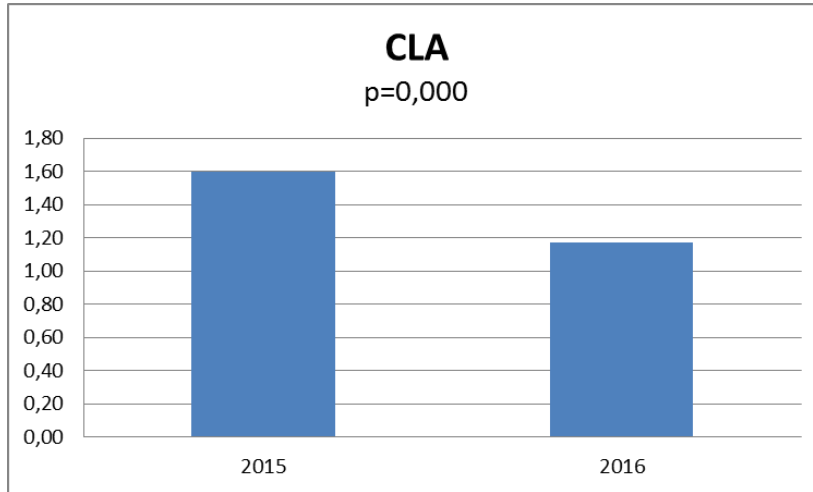
Muscle



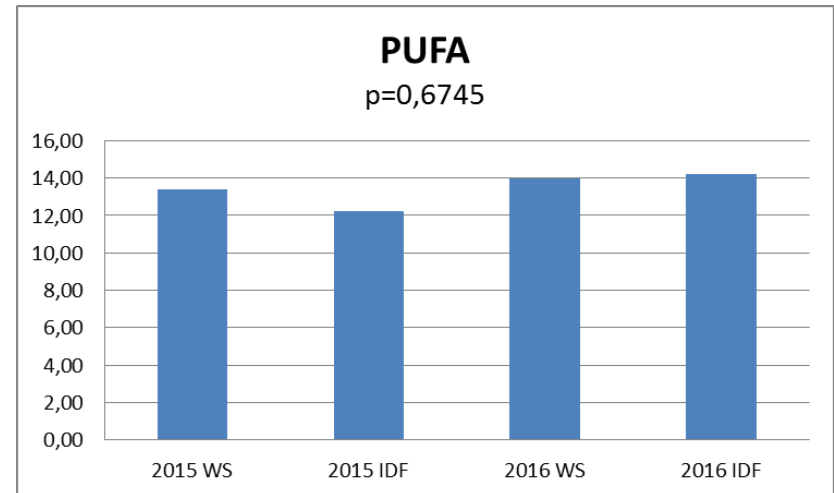
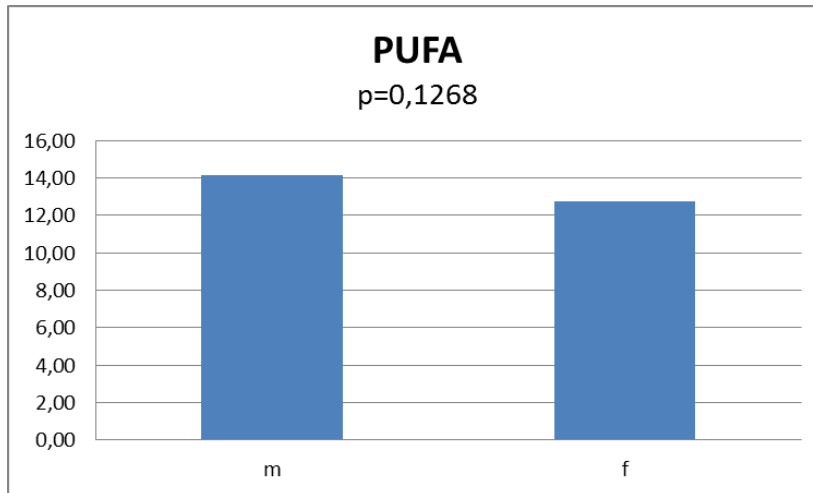
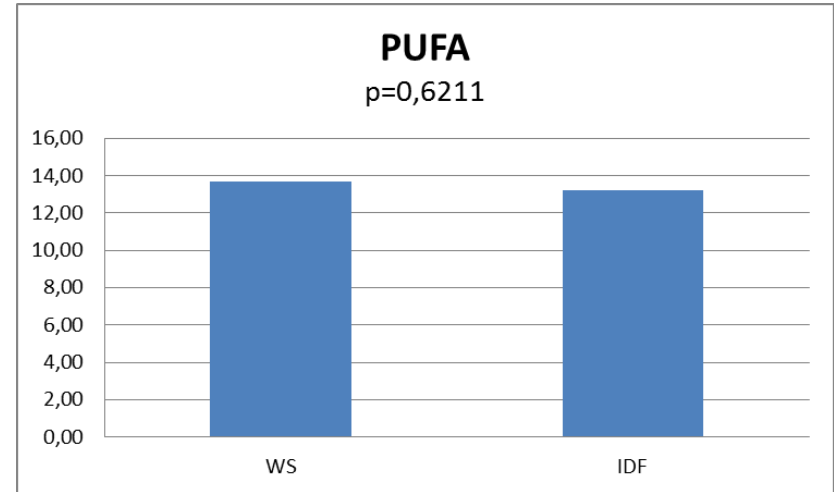
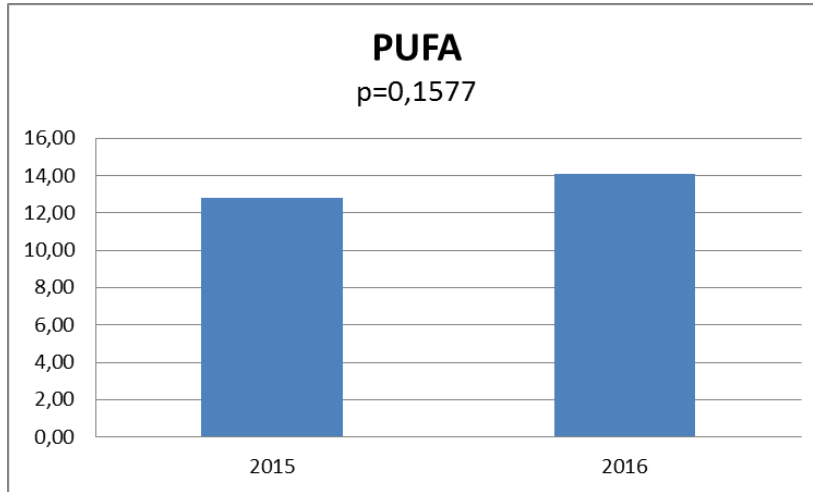
adiposity



CLA



PUFA



Conclusions

- Endangered breed (Waldschaf) is well suited for pasture
- With the endangered breed Waldschaf lambs on pasture could be produced, especially when crossbred with a meaty ram
 - Considering Waldschaf is a small to medium-sized breed
- Better results can be expected with better pasture management

