## Field pea can partially replace soybean in the fattening diets of ruminants



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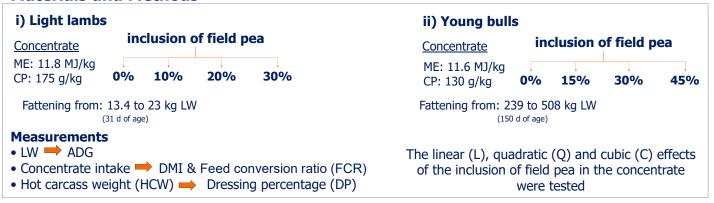
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There is an interest to include field pea (Pisum sativum) in the concentrates of ruminants at the expense of soybean to increase the protein selfsufficiency in the European Union

The aim of the study was to analyse the effects of the **inclusion of field pea** in the concentrate during the fattening period on the performance and carcass weight of: i) light lambs and ii) young bulls

## **Materials and Methods**



Results

No effects on the performance

Effect on: HCW and DP

12

₽10

8

6

a≠b P < 0.05 50

> × 40 음`<sub>30</sub>

> > 20

0%



	0%	10%	20%	30%
Slaughter LW, kg	23.2	23.2	23.0	23.1
ADG, kg/d	240	252	247	248
Total DMI, kg	24.4	23.4	23.5	25.7
FCR, kg/kg	2.49	2.34	2.47	2.44
Fattening period length, d	43	40	42	42

No L, Q and C effects

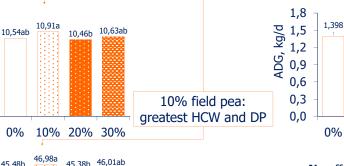
Effect on: DMI 8 7,3a 7,1ab 6,8b kg/d DMI, 4 45% field pea: lowest DMI 2 0

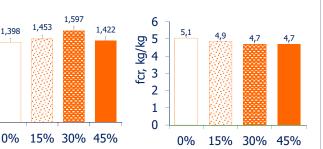
ii) Young bulls

No effects on: ADG and FCR

1.453

15% 30% 45%





a≠b P < 0.05

No effects on:

0%	15%	30%	45%
508	507	507	508
193	184	163	189
293	293	294	291
57.77	57.90	57.87	57.26
	508 193 293	508 507 193 184 293 293	0%15%30%50850750719318416329329457.7757.9057.87

No L, Q and C effects

Field pea can replace soybean in the fattening concentrates of light lambs and young bulls because it only had minor (but positive) effects on performance.

> The effects on carcass and meat quality should be evaluated. The inclusion of pea will depend on the prices of each feedstuff.





10% 20% 30%