

Effect of increasing amounts of corn/wheat DDGS in the diet of growing-finishing pigs

S. Millet, J.L. De Boever, E. Teirlynck, B. Ampe, L.O. Fiems, S. De Campeneere
 ILVO (Institute for Agricultural and Fisheries Research), Animal Sciences Unit, Melle, Belgium

AIM

To determine the **maximal inclusion rate for DDGS** (originating from 50% corn and 50% wheat) in the diet of **growing-finishing pigs** without negatively affecting performances



MATERIALS AND METHODS

Treatment groups

- 5 inclusion levels of DDGS: 0 %, 7.5%, 15%, 22.5% and 30%
- 3 pens per treatment
- 3 barrows and 3 gilts per pen

Diet

- phase feeding with similarly formulated energy and amino acid levels

	25-43 kg	43-72 kg	72-110 kg
Net Energy, MJ/kg	9.6	9.4	9.2
AID lysine, g/kg	9.5	8.0	7.0

Measurements

- Feed intake, gain, feed conversion ratio

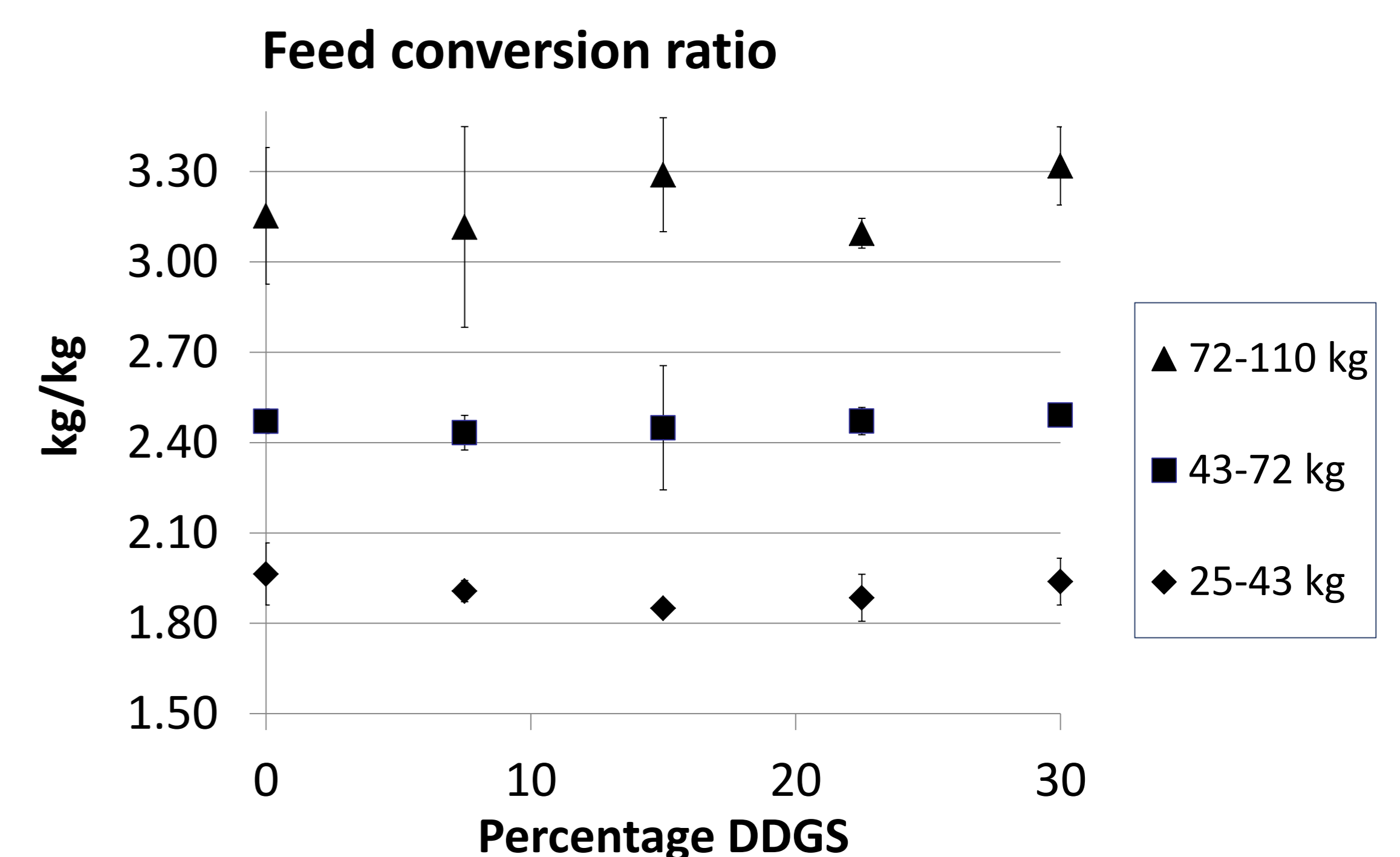
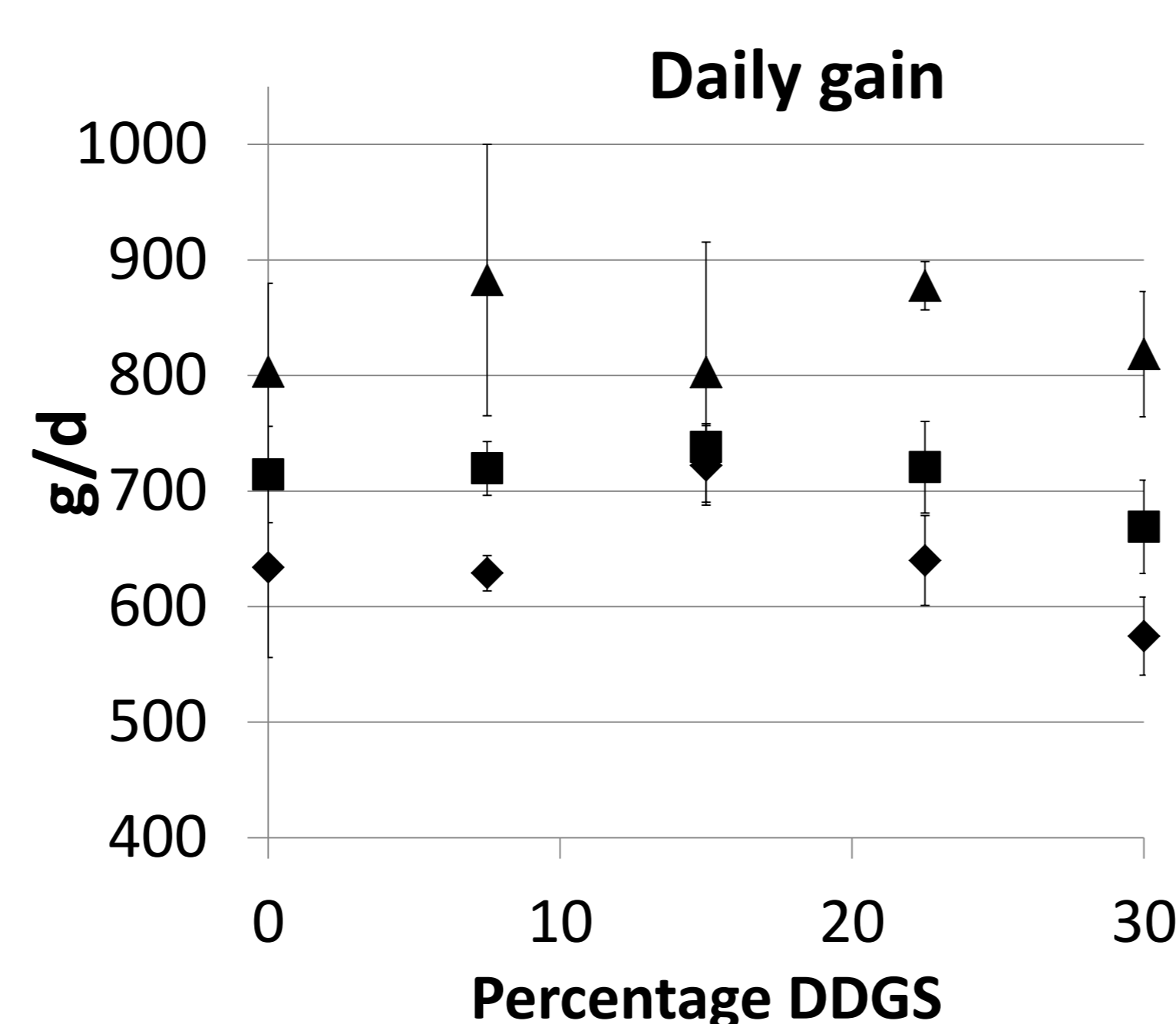
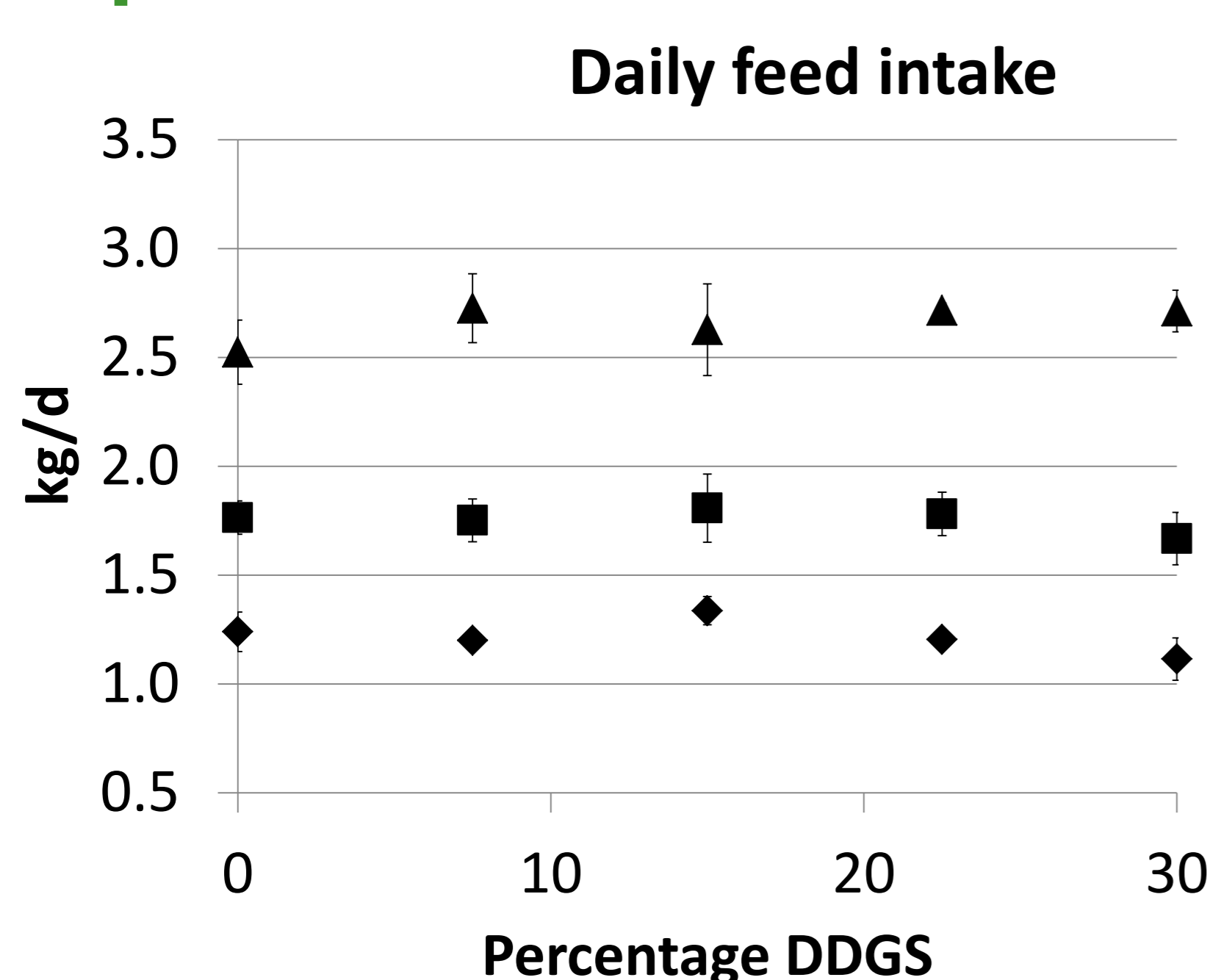
RESULTS

Although **no significant differences between the different DDGS levels could be shown** for most parameters, including 30% DDGS yielded numerically worse results

Overall fattening period (25 – 110 kg)

Percentage DDGS	0	7.5	15	22.5	30	SEM
Daily feed intake, kg	1.92	1.99	2.06	2.01	1.93	0.02
Daily gain, g	728	756	763	763	702	11
Feed conversion ratio, kg/kg	2.64	2.64	2.71	2.63	2.75	0.02

Per phase



CONCLUSION

A dietary inclusion of DDGS up to 22.5% is possible without negative effects on the performances of growing-finishing pigs