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## Study on growth of Aberdeen Angus young males in Romania

Silvia Elena Erina, Ludovic Toma Czisster, Stelian Acatincăi, Marioara Neagu-Nicula, Valeriu Carabă, Dorel Dronca, Raimond Rusu, Mircea Rațiu, Simona Baul

University of Life Sciences "King Mihai I" from Timișoara, Calea Aradului 119, 300645, Timișoara, Romania

### • Introduction

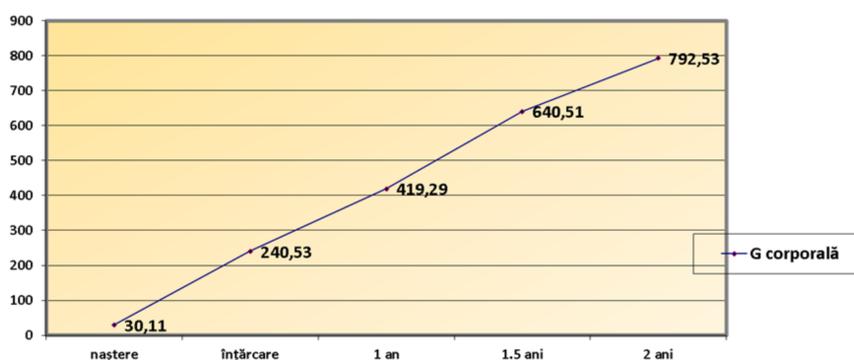
Low price beef involves obtaining the technical parameters with high efficiency. Analysis and interpretation of growth process is based on some indices obtained from periodic measurements. The aim of this paper was to study the growth performance in Aberdeen Angus young males reared in a beef cattle farm from Timiș County, România, from birth to the age of 2 years.

### • Material and method

The study was conducted on 20 Aberdeen Angus young males that were weighed at birth, weaning, 1 year, 1.5 years and 2 years of age. Raw data were corrected using the equation  $W=(W_{\text{birth}}-W_{\text{weaning}}) \times 200 \text{ days/age at weaning (days)}$ .

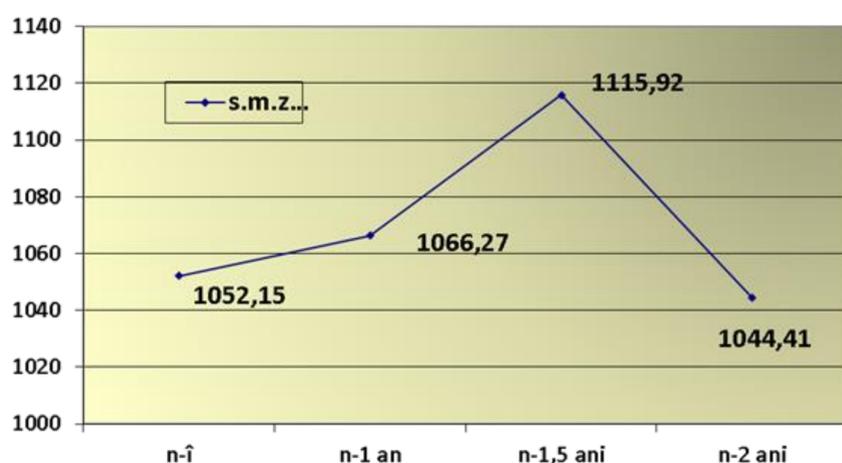
### Results and discussions

#### Average body weight (growth energy) in Aberdeen Angus males



Average body weight (growth energy) in Aberdeen Angus males was as follows:  $30.11 \pm 0.897$  kg at birth,  $240.53 \pm 7.984$  kg at weaning (200 days of age),  $419.29 \pm 9.098$  kg at 1 year,  $640.51 \pm 10.997$  kg at 1.5 years, and  $792.53 \pm 19.256$  kg at 2 years of age.

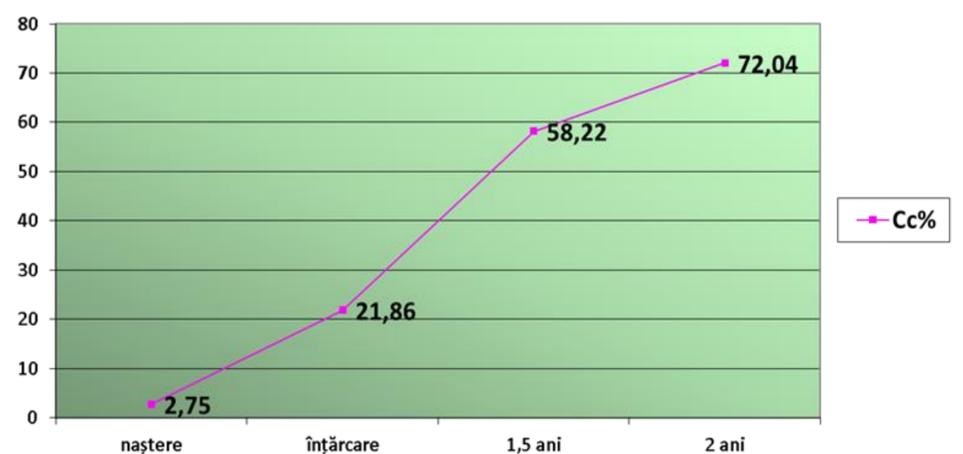
#### Average daily gain in Aberdeen Angus males



The highest average daily gain in Aberdeen Angus males was observed from birth to 1.5 years of age ( $1115.92 \pm 39.012$  g), followed by the period from birth to 1 year of age ( $1066.27 \pm 24.527$  g). From birth to weaning the average daily gain was  $1052.15 \pm 42.131$  g, while from birth to 2 years of age was  $1044.46 \pm 29.011$  g.



#### Average value of the growth coefficient in Aberdeen Angus males



The average value of the growth coefficient, compared to the adult body weight of 1100 kg, was 2.75% at birth, 21.86% at weaning (200 days of age), 58.22% at 1.5 years, and 72.04% at 2 years of age.

### • Conclusions

- The highest average daily gain in Aberdeen Angus males was observed from birth to 1.5 years of age ( $1115.92$  g).
- The total accumulation of body mass, in the periods: birth-weaning, birth-1 year, birth-1.5 years, birth-2 years, have an upward trend, because with increasing age, from the moment of birth, the accumulation of body mass is getting bigger.
- The studied growth indicators showed that Aberdeen Angus can be reared for beef with high efficiency, both as purebred as well as by crossbreeding with other cattle breeds.