

### ECONOMIC IMPACT FROM THE USE OF GENETICALLY EVALUATED REGISTERED ANIMALS-PO AND WITH SPECIAL CERTIFICATE OF IDENTIFICATION AND PRODUCTION-PODIUM

<sup>1</sup>Embrapa Cerrados, BR-020, 18, Sobradinho, Brasilia, DF, 70770-901, Brazil; <sup>3</sup>Embrapa Rice and Beans, GO-462, km 12, Santo Antônio de Goiás, GO, 75375-000, Brazil; <sup>4</sup>National Association of Breeders and Researchers, Ribeirão Preto, 14020-230, Brazil; <sup>5</sup>HoRa Agropecuaria, Brasilandia, MS, Brazil; <sup>6</sup>Veterinary School, Barao de Maua University, Ribeirão Preto, SP, 14090-062, Brazil; <sup>7</sup>Animal Science Department, São Paulo State University - Júlio de Mesquita Filho (UNESP), Prof. Paulo Donato Castelane, Jaboticabal, SP, 14884-900, Brazil \*Corresponding author: claudio.magnabosco@embrapa.br

## Objective

The aim was to evaluate the economic impact from the use of Nellore registered (PODIUM) in comparison to commercial cattle.

The production costs per head were \$831.78, 653.20 and 227.04, and the liquid receipt was \$1085.62, 995.76 and 414.18, for the PO, PODIUM and commercial, animals (PO) and with special certificate of identification and production respectively (Table 1). Considering the same productive area (4132 hectares), the production systems' revenues of PO, PODIUM and commercial was **Material and Methods** \$3,505,768.93; 3,289,675.94 and 1,369,426.86, respectively. It was observed a Information from 3174 and 5364 of PO and PODIUM animals, adjusted for greater profitability per head and per hectare for systems with production of PO contemporary groups and age on the measurement of the rib eye area (REA), and PODIUM cattle. The economic value from the increase of 1 point of TEGM provided by the National Association of Breeders and Researchers were used. and GEI, considering PO and PODIUM animals, was \$194.24 and 167.04, Economic information of the production costs and of the income from the three respectively. The phenotypic values from the increase of 1 point of expected systems, was obtained from HoRa Agribusiness. Economic analysis were predict difference in the progeny (EPD) for W365 and SC365 and REA, conducted by using the total economic genetic merit (TEGM), genetic economic considering PO and PODIUM animals, were 2.01 and 2.12 kg; 2.85 and 2.81 cm; index (GEI), weight at 365 days of age (W365), scrotal circumference at 365 and 3.71 and 4.89, cm2, respectively. Conclusion days of age (SC365), and REA. Analyzes of the regression of sale values and phenotypes were used function of the genetic evaluation. The R program was The use of evaluated sires is effective in terms of phenotypic progress, and at used to run the data analysis. the achievement of greater economic return.

Table 1 – Economic analysis of the production systems of Nellore registered animals (PO), with special certificate of identification and production (PODIUM) and commercials cattle.

Category	Cost/head	Cost/ha	<b>Gross Income/</b>	Gross	Net Income/	Net Income/	Gross revenue (\$)	Productive
	(\$)	(\$)	head (\$)	Income/ ha (\$)	head (\$)	ha (\$)		Area (ha)
PO	831.78	1472.25	1917.40	3393.79	1085.62	1921.54	217,123.21	451.98
PODIUM	653.20	1156.17	1648.96	2918.66	995.76	1762.49	497.879.47	1035.59
<b>Comercial cattle</b>	227.04	401.86	641.22	1134.96	414.18	733.11	459,744.01	2128.25



Magnabosco, C.U.<sup>1</sup>, Brunes, L. C.<sup>2,3</sup>, Lobo, R.B.<sup>4</sup>, Pereira, L. S.<sup>2,3</sup>, Crozara, A. S.<sup>5</sup>, Magnabosco, V.S.<sup>6</sup>, Baldi, F.<sup>7</sup>

### Results

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