

Technical trial on the efficacy of Hematover PLUS on weight gain in bovines

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LOCATION

"La Invernada" farm belonging to Transcemento S.A., located in the rural zone of San Cayetano, Capital Department, province of Corrientes, Argentina.

TARGET

To evaluate the results of Hematover PLUS on the weight gain in bovines.

MATERIALS AND METHODS

In a period between 28 June 2013 and 30 August 2013, one hundred (100) cross-bred heifers born in July 2012 were used.

The heifers were divided into three lots, at random:

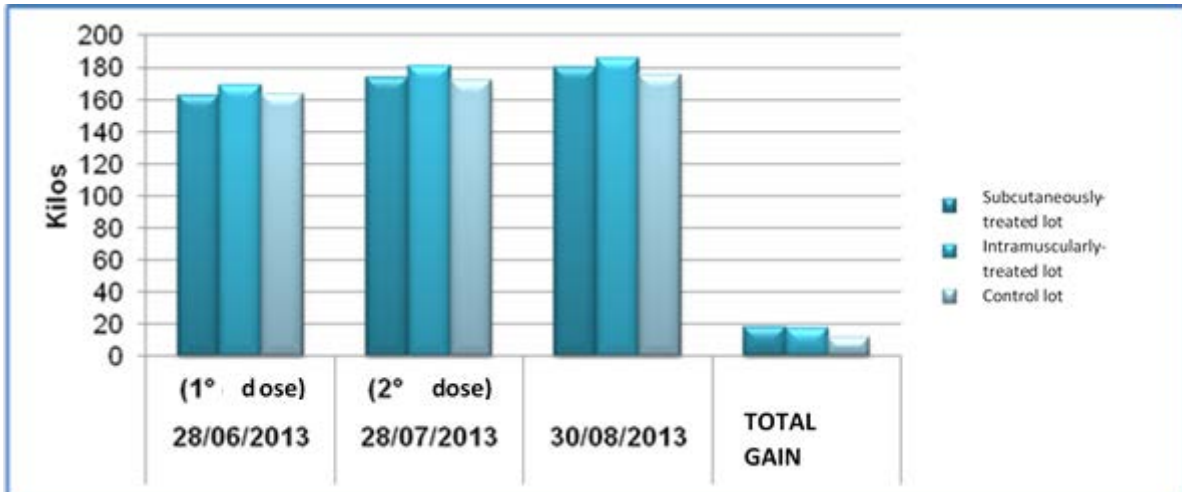
- Intramuscularly treated lot: twenty-five (25) heifers received two (2) doses of Hematover PLUS intramuscularly with a 30 day's interval.
- Subcutaneously treated lot: twenty-five (25) heifers received two (2) doses of Hematover PLUS subcutaneously with a 30 day's interval.
- Control lot: fifty (50) heifers received no treatment.

During the trial, all animals were kept under extensive breeding conditions on a natural plot of land.

RESULTS

The treated lots obtained a weight gain equivalent to six (6) kilos more than the control lot during the sixty (60) days of the trial. Comparative results are shown below:

WEIGHING DATES AND WEIGHTS				
	28 June 2013 (1st dose)	28 July 2013 (2nd dose)	30 August 2013	TOTAL GAIN
Subcutaneously-treated lot	162.52 kg	173.68 kg	180.32 kg	17.8 kg
Intramuscularly-treated lot	168.6 kg	180.72 kg	185.68 kg	17.08 kg
Control lot	163.48 kg	172 kg	175.1 kg	11.62 kg



If we unify the two treatment lots (regardless of the administration route) and compare them with the control lot, we obtain the following results:

	WEIGHING DATES AND WEIGHTS			
	28 June 2013 (1 st dose)	28 July 2013 (2 nd dose)	30 August 2013	TOTAL GAIN
Treated lot	165.56 kg	177.2 kg	183 kg	17.44 kg
Control lot	163.48 kg	172 kg	175.1 kg	11.62 kg

After 60 days, the administration of Hematover PLUS to the treated lot showed a gain of 5.82 kg compared to the control lot.

CONCLUSIONS

Under the experimental test conditions, HEMATOVER PLUS showed an effect in the increase of weight gain on the treated animals, regardless of the administration route.