LOVIT
LC-Energy

Liquid formulation with betaine and carnitine to support the metabolism and performance in critical phases.

Convincing advantages:

- Promotes an efficient feed conversion
- Supports the metabolism
- Improves osmotic regulation and water balance

Kaesler
Animal Nutrition

LOVIT
LC-Energy

LOVIT LC-Energy Liquid – the concept for performance.

Performance, well-being, and economic efficiency – the expectations on productive poultry of today are high. A metabolism geared to maximum performance needs an ideal supply with energy, nutrients, vitamins, and minerals in order to ensure best-possible performance. Regular controls, vaccinations, and changes of housing put a strain on the metabolic reserves of the animals. At the same time, present-day genetics of high-performance breeds react more sensitively to changing environmental conditions, such as humidity and temperature. Broilers in particular are very sensitive to changes in housing and reduced nutrient intake can quickly lead to growth depression and thus lower economic efficiency.[1,2,3]

The knowledge behind LOVIT LC-Energy. In critical phases of poultry production, it is an absolute must to maintain the level of performance. For this reason a field trial was conducted to examine the effect of LOVIT LC-Energy on broilers of the Ross 308 breed.[4]
40,000 broilers were divided into two groups (control, LOVIT LC-Energy) of 20,000 animals each. Feed and water were available ad libitum. The administration scheme of the LOVIT LC-Energy group is shown in Fig. 1. The dosage was 2 l per 1,000 l of drinking water (0.2 %). Supplementation was suspended when vitamins, minerals, and/or medication were administered. On day 36 the broilers were slaughtered separately according to the groups.

Fig. 2 shows that supplementation with LOVIT LC-Energy has a positive influence on end weight. The broilers that had received LOVIT LC-Energy were 0.05 g heavier on average than the control group. At a price of € 0.91/kg and a flock of 40,000 animals, this would mean an increase in turnover of almost € 2000.

LOVIT LC-Energy: for successful poultry production. The interaction of betaine and carnitine in LOVIT LC-Energy Liquid supports the metabolism, improves feed conversion and promotes performance during critical phases of poultry production. Sorbitol supplies utilisable energy in addition, enabling the birds to overcome stress situations more easily. Thanks to its liquid formulation, LOVIT LC-Energy Liquid is easy to use on every agricultural holding.

Composition per litre: betaine 50,000 mg, L-carnitine 25,000 mg, and sorbitol.

Recommended use: 1 – 2 l per 1,000 l of drinking water for a period of 2 – 5 days. Repeat as required.

Standard packaging: 12 x 1 l bottles per box, 4 x 5 l canisters per box.

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
LOVIT LC-Energy Supplementation					■	■	■			■	■	■	■			■	■	■	■	■				■	■	■	■				■	■	■	■	■

Fig. 1: Interval of LOVIT LC-Energy supplementation 0.2 % solution (2 l LOVIT LC-Energy in 1,000 l of drinking water)

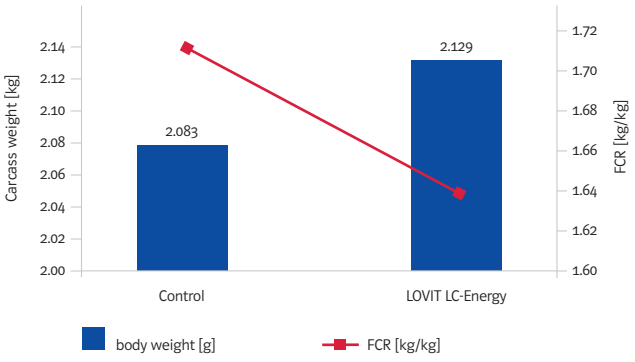

Fig. 2: LOVIT LC-Energy has a positive effect on carcass weight (kg) and FCR (kg/kg). LOVIT LC-Energy 0.2% solution (2 l in 1,000 l drinking water), supplementation according to the scheme in Fig. 1. Monitoring was carried out with the farm-own computer system (FANCOM). The end weight (carcass weight) was determined at the abattoir. FCR: Feed Conversion Ratio

References:
1 Mack, LA, Felver-Gant JN, Dennis RL, Cheng HW. Genetic variation alter production and behavioral responses following heat stress in 2 strains of laying hens. Poult. Sci. 2013;92:285–294.
2 Leeson S. Metabolic Challenges: Past, present, and future. J. Appl. Poult. Res. 2007;16:121-125.
3 Julian RJ. Production and growth related disorders and other metabolic diseases of poultry – A review. Vet. J. 2005;169:350-369.
4 Ayecke-Thun M, Sileikiene V. Performance and carcass characteristics of broilers supplemented with L-Carnitine, Betaine, Sorbitol and Magnesium via drinking water. Paper presented at World's Poultry Science Association – WPSA Conference; 2011; Leipzig, Germany.

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