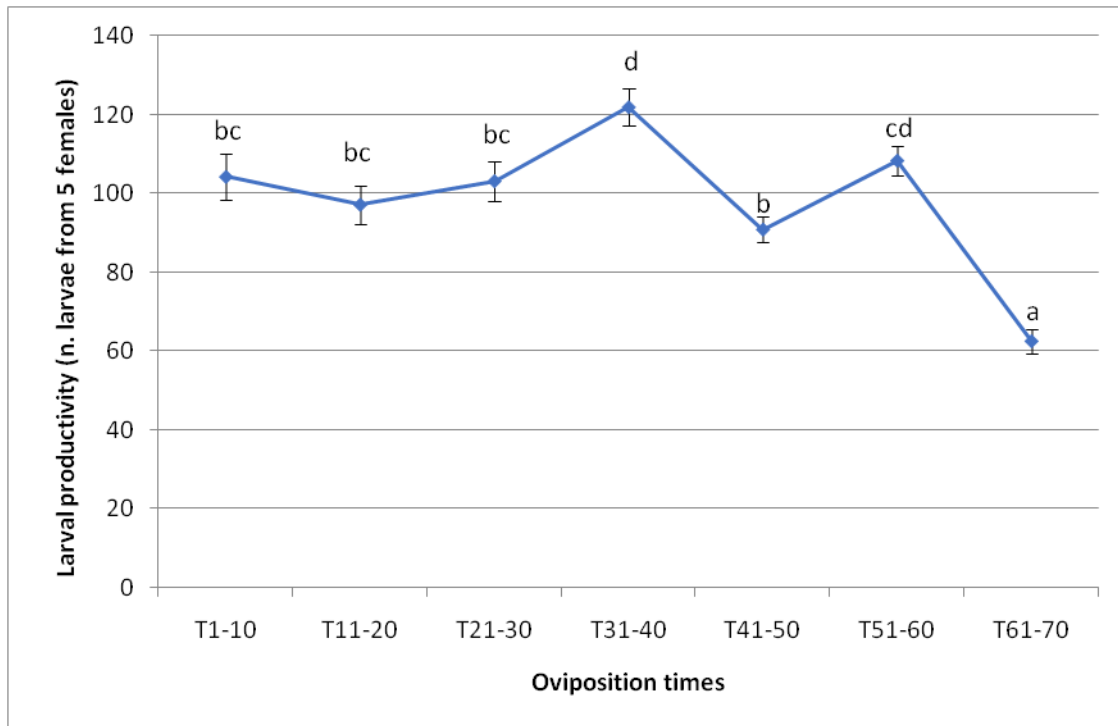


## Supplementary Materials

**Table S1.** Conversion factors for the calculation of energy (source: Regulation (EU) 1169/2011, Annex XIV).

Nutrient	Conversion Factors
Carbohydrate (except polyols)	17 kJ/g - 4 kcal/g
Polyols	10 kJ/g - 2,4 kcal/g
Protein	17 kJ/g - 4 kcal/g
Fat	37 kJ/g - 9 kcal/g
Salatrim	25 kJ/g - 6 kcal/g
Alcohol (ethanol)	29 kJ/g - 7 kcal/g
Organic acid	13 kJ/g - 3 kcal/g
Fibr	8 kJ/g - 2 kcal/g
Erythritol	0 kJ/g - 0 kcal/g



**Figure S1.** Production of larvae from adults at different oviposition periods. The mean  $\pm$  SE ( $n = 100$ ) represents the number of larvae produced by five females (replicates) every 10 days during the experimental oviposition period (70 days). Values with the same letter are not significantly different at  $\alpha = 0.05$  (two-way ANOVA and Tukey-Kramer HDS test).

**Table S2.** Individual larval weight depends on diet and development time (days) from the start of the experiment.

<b>Diets</b>	<b>T0</b>	<b>T10</b>	<b>T20</b>	<b>T30</b>	<b>T40</b>	<b>Harvest</b>
	<b>(mg larvae<sup>-1</sup>)</b>	<b>(mg larvae<sup>-1</sup>)</b>	<b>(mg larvae<sup>-1</sup>)</b>	<b>(mg larvae<sup>-1</sup>)</b>	<b>(mg larvae<sup>-1</sup>)</b>	<b>(mg larvae<sup>-1</sup>)</b>
<b>W</b>	6.1±0.1 <sup>a</sup>	17.2±0.4 <sup>a</sup>	48.6±0.9 <sup>ab</sup>	83.0±1.2 <sup>a</sup>	119.2±0.9 <sup>a</sup>	147.2±1.2 <sup>c</sup>
<b>WY</b>	6.1±0.0 <sup>a</sup>	17.5±0.4 <sup>a</sup>	56.7±1.1 <sup>c</sup>	96.4±1.7 <sup>b</sup>	129.2±2.0 <sup>b</sup>	145.0±1.0 <sup>bc</sup>
<b>WTB</b>	6.1±0.1 <sup>a</sup>	18.0±0.4 <sup>a</sup>	57.7±1.4 <sup>c</sup>	98.9±2.7 <sup>b</sup>	129.5±2.1 <sup>b</sup>	139.4±2.8 <sup>ab</sup>
<b>WTY</b>	6.2±0.0 <sup>a</sup>	18.9±0.5 <sup>a</sup>	51.0±1.8 <sup>b</sup>	91.7±2.6 <sup>b</sup>	130.1±3.3 <sup>b</sup>	138.4±2.0 <sup>ab</sup>
<b>WT</b>	6.0±0.0 <sup>a</sup>	17.7±0.6 <sup>a</sup>	46.2±0.8 <sup>a</sup>	83.0±1.3 <sup>a</sup>	117.8±1.7 <sup>a</sup>	133.3±1.7 <sup>a</sup>

Wheat bran (W); wheat bran supplemented whit yeast (WY); wheat bran supplemented with tomato pomace and brewer's spent grain (WTB); wheat bran supplemented whit tomato pomace and yeast (WTY); wheat bran supplemented whit tomato pomace (WT). Means ± SE (*n* = 10) with the same letter in the same column are not significantly different at  $\alpha = 0.05$  (one-way ANOVA followed by Tukey-Kramer HSD test).