



Dietary selenium and zinc supplementation alters growth and immunity of broiler chicken

MEESAM RAZA^{1,2}, CHANDRA DEO¹, NASIR AKBAR MIR^{1✉}, AVISHEK BISWAS¹, DIVYA SHARMA¹
 and J J ROKADE¹

ICAR-Central Avian Research Institute, Izatnagar, Uttar Pradesh 243 122 India

Received: 12 April 2022; Accepted: 3 April 2023

Supplementary Table 1. Effect of different levels of selenium (Se) and zinc (Zn) on carcass characteristics of broiler chicken

Se (mg/kg)	Zn (mg/kg)	Live weight (g)	Eviscerated yield (%)	Dressing yield (%)	Abdominal Fat (%)	Giblets (%)	Drumstick (%)	Thigh (%)	Wing (%)	Breast (%)	Back (%)	Neck (%)
0.15	40	1879 ^c	70.2	75.0	1.00	4.85	12.2	12.3	11.4	20.5	22.2	6.44
	80	1897 ^c	72.7	77.6	1.00	4.84	12.5	12.2	11.2	21.3	20.0	6.16
	120	1944 ^f	70.4	75.3	0.78	4.92	13.4	13.4	11.2	22.5	21.6	6.40
0.30	40	1823 ^d	72.8	77.9	1.07	5.18	14.0	13.9	11.3	22.5	22.7	6.67
	80	1813 ^d	71.3	76.5	1.02	5.23	12.8	13.1	11.3	20.9	21.2	6.31
	120	1768 ^c	71.2	76.1	1.10	4.83	12.0	13.3	11.2	24.1	22.0	6.22
0.45	40	1717 ^a	71.9	76.9	1.08	4.98	14.2	14.0	11.4	21.8	21.8	6.00
	80	1734 ^{ab}	72.0	76.8	0.81	4.79	12.8	13.0	11.6	22.5	21.8	6.16
	120	1752 ^{bc}	72.1	77.1	1.34	4.93	12.4	12.3	11.1	23.5	20.8	6.14
Pooled SEM		10.7	0.52	0.53	1.191	0.059	0.22	0.21	0.16	0.26	0.22	0.058
<i>Main effect</i>												
<i>Selenium</i>												
0.15		1907 ^o	71.1	76.0	0.93	4.87	12.7	12.6	11.2	21.4	21.3	6.33
0.30		1801 ⁿ	71.8	76.8	1.06	5.08	12.9	13.4	11.3	22.5	21.9	6.40
0.45		1768 ^m	72.0	76.9	1.08	4.90	13.1	13.1	11.4	22.6	21.5	6.10
<i>Zinc</i>												
40		1840	71.6	76.6	1.05	5.00	13.5	13.4	11.4	21.6	22.3	6.37
80		1815	72.0	76.9	0.94	4.95	12.7	12.7	11.4	21.6	21.0	6.21
120		1822	71.3	76.2	1.07	4.89	12.6	13.0	11.2	23.4	21.5	6.25
<i>Probability</i>												
Selenium		P<0.01	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Zinc		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Interaction		P<0.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Value bearing different superscripts within a column differ significantly, NS-Non-significant.