

Lohmann LSL-Lite

Layers in Alternative Systems



*Performance Data
Body weight tables*

BREEDING FOR SUCCESS ... TOGETHER



LOHMANN
BREEDERS

Performance Data

LOHMANN LSL-LITE

Layers in Alternative Systems

Egg Production



Age at 50 % production 140 – 145 days

Peak production 96 – 97 %

Eggs per Hen Housed

in 72 weeks of age 331

in 80 weeks of age 376

in 100 weeks of age 474

Egg Mass per Hen Housed

in 72 weeks of age 20.02 kg

in 80 weeks of age 22.86 kg

in 100 weeks of age 29.10 kg

Average Egg Weight

in 72 weeks of age 60.4 g

in 80 weeks of age 60.8 g

in 100 weeks of age 61.4 g



Egg Characteristics



Shell colour: attractive white

Shell breaking strength: > 40 Newton

Feed Conversion Ratio



2.0 – 2.2 kg/kg egg mass

Body weight



at 17 weeks 1.26 kg

at the end of production 1.72 kg

Liveability



Rearing 98 – 99 %

Laying period (72 weeks) 95 – 96 %

Laying period (100 weeks) 90 – 91 %

Body weight development

LOHMANN LSL-LITE



Age	Min.	Max.	Standard
1	68	72	70
2	116	124	120
3	179	191	185
4	247	263	255
5	324	344	334
6	412	438	425
7	508	540	524
8	616	654	635
9	713	757	735
10	800	850	825
11	867	921	894
12	930	988	959
13	992	1054	1023
14	1051	1117	1084
15	1109	1177	1143
16	1164	1236	1200
17	1217	1293	1255
18	1267	1345	1306
19	1315	1397	1356
20	1363	1447	1405
21	1408	1496	1452
22	1452	1542	1497
23	1492	1584	1538
24	1528	1622	1575
25	1560	1656	1608
26	1579	1677	1628
27	1590	1688	1639
28	1596	1694	1645
29	1600	1698	1649
30	1601	1701	1651
31	1603	1703	1653
32	1605	1705	1655
33	1607	1707	1657
34	1608	1708	1658
35	1610	1710	1660

Age	Min.	Max.	Standard
36	1612	1712	1662
37	1614	1714	1664
38	1616	1716	1666
39	1617	1717	1667
40	1619	1719	1669
41	1621	1721	1671
42	1623	1723	1673
43	1624	1724	1674
44	1626	1726	1676
45	1627	1727	1677
46	1629	1729	1679
47	1631	1731	1681
48	1632	1732	1682
49	1633	1735	1684
50	1634	1736	1685
51	1635	1737	1686
52	1637	1739	1688
53	1638	1740	1689
54	1640	1742	1691
55	1641	1743	1692
56	1642	1744	1693
57	1643	1745	1694
58	1645	1747	1696
59	1646	1748	1697
60	1647	1749	1698
61	1648	1750	1699
62	1649	1751	1700
63	1651	1753	1702
64	1652	1754	1703
65	1653	1755	1704
66	1654	1756	1705
67	1655	1757	1706
68	1656	1758	1707
69	1657	1759	1708
70	1658	1760	1709

Age	Min.	Max.	Standard
71	1658	1760	1709
72	1659	1761	1710
73	1660	1762	1711
74	1661	1763	1712
75	1662	1764	1713
76	1663	1765	1714
77	1663	1765	1714
78	1664	1766	1715
79	1665	1767	1716
80	1665	1767	1716
81	1665	1769	1717
82	1666	1770	1718
83	1666	1770	1718
84	1667	1771	1719
85	1667	1771	1719
86	1668	1772	1720
87	1668	1772	1720
88	1669	1773	1721
89	1669	1773	1721
90	1670	1774	1722
91	1670	1774	1722
92	1671	1775	1723
93	1671	1775	1723
94	1672	1776	1724
95	1672	1776	1724
96	1673	1777	1725
97	1673	1777	1725
98	1674	1778	1726
99	1674	1778	1726
100	1675	1779	1727

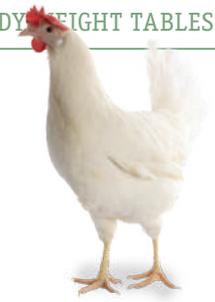
Performance Goals

LOHMANN LSL-LITE

Age in Weeks	Egg No. per H.H. cumulative	Rate of Lay %		Egg Weight g		Egg Mass	
		per H.H.	per H.D.	in Week	cumulative	g/H.D. in Week	kg/H.H. cumulative
19	0.7	9.9	9.9	40.9	40.9	4.0	0.03
20	3.3	37.3	37.4	43.4	42.8	16.2	0.14
21	7.2	55.3	55.4	46.0	44.5	25.5	0.32
22	12.2	72.3	72.5	48.4	46.1	35.1	0.56
23	18.0	82.5	82.8	50.6	47.5	41.9	0.86
24	24.2	88.5	88.8	52.5	48.8	46.6	1.18
25	30.6	91.6	92.0	54.2	49.9	49.8	1.53
26	37.2	93.4	93.8	55.4	50.9	51.9	1.89
27	43.8	94.4	94.9	56.5	51.7	53.5	2.26
28	50.4	94.9	95.5	57.4	52.5	54.7	2.64
29	57.1	95.2	95.8	58.1	53.1	55.6	3.03
30	63.7	95.4	96.0	58.7	53.7	56.3	3.42
31	70.4	95.4	96.1	59.2	54.2	56.8	3.82
32	77.1	95.5	96.2	59.6	54.7	57.3	4.22
33	83.8	95.5	96.3	60.0	55.1	57.7	4.62
34	90.5	95.6	96.4	60.3	55.5	58.1	5.02
35	97.2	95.6	96.5	60.6	55.8	58.4	5.42
36	103.9	95.4	96.4	60.8	56.1	58.6	5.83
37	110.5	95.3	96.3	61.0	56.4	58.7	6.24
38	117.2	95.1	96.3	61.1	56.7	58.8	6.64
39	123.8	95.0	96.2	61.2	56.9	58.9	7.05
40	130.5	94.8	96.1	61.4	57.2	59.0	7.46
41	137.1	94.7	96.0	61.5	57.4	59.0	7.87
42	143.7	94.5	95.9	61.6	57.6	59.0	8.27
43	150.3	94.3	95.7	61.7	57.7	59.1	8.68
44	156.9	94.0	95.6	61.8	57.9	59.1	9.09
45	163.5	93.8	95.4	61.9	58.1	59.0	9.49
46	170.0	93.5	95.2	62.0	58.2	59.0	9.90
47	176.5	93.2	95.0	62.1	58.4	59.0	10.30
48	183.0	92.9	94.8	62.2	58.5	58.9	10.71
49	189.5	92.6	94.6	62.2	58.6	58.9	11.11
50	196.0	92.3	94.3	62.3	58.8	58.8	11.51
51	202.4	92.0	94.1	62.4	58.9	58.7	11.92
52	208.8	91.6	93.8	62.5	59.0	58.6	12.32
53	215.2	91.3	93.6	62.5	59.1	58.5	12.72
54	221.6	90.9	93.3	62.6	59.2	58.4	13.11
55	227.9	90.6	93.1	62.6	59.3	58.3	13.51
56	234.2	90.2	92.8	62.7	59.4	58.2	13.91
57	240.5	89.8	92.5	62.7	59.5	58.0	14.30
58	246.8	89.4	92.2	62.8	59.5	57.9	14.70
59	253.0	89.0	91.9	62.8	59.6	57.7	15.09

Performance Goals

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Age in Weeks	Egg No. per H.H.	Rate of Lay %		Egg Weight g		Egg Mass	
		per H.H.	per H.D.	in Week	cumulative	g/H.D.	kg/H.H.
60	259.2	88.6	91.5	62.9	59.7	57.6	15.48
61	265.4	88.2	91.2	62.9	59.8	57.4	15.87
62	271.5	87.8	90.9	63.0	59.9	57.2	16.25
63	277.6	87.4	90.6	63.0	59.9	57.1	16.64
64	283.7	86.9	90.3	63.0	60.0	56.9	17.02
65	289.8	86.5	89.9	63.1	60.1	56.7	17.40
66	295.8	86.0	89.6	63.1	60.1	56.5	17.78
67	301.8	85.5	89.2	63.1	60.2	56.3	18.16
68	307.7	85.0	88.8	63.1	60.2	56.1	18.54
69	313.7	84.5	88.4	63.2	60.3	55.8	18.91
70	319.5	84.0	87.9	63.2	60.3	55.6	19.28
71	325.4	83.4	87.5	63.2	60.4	55.3	19.65
72	331.2	82.9	87.0	63.2	60.4	55.0	20.02
73	336.9	82.3	86.5	63.3	60.5	54.8	20.38
74	342.7	81.7	86.1	63.3	60.5	54.5	20.74
75	348.3	81.1	85.6	63.3	60.6	54.2	21.10
76	354.0	80.5	85.0	63.3	60.6	53.9	21.46
77	359.6	79.8	84.5	63.4	60.7	53.5	21.81
78	365.1	79.2	84.0	63.4	60.7	53.2	22.17
79	370.6	78.6	83.4	63.4	60.7	52.9	22.51
80	376.1	77.9	82.9	63.4	60.8	52.6	22.86
81	381.5	77.2	82.3	63.5	60.8	52.2	23.20
82	386.8	76.6	81.7	63.5	60.9	51.9	23.54
83	392.1	75.9	81.1	63.5	60.9	51.5	23.88
84	397.4	75.1	80.5	63.6	60.9	51.2	24.21
85	402.6	74.4	79.9	63.6	61.0	50.8	24.55
86	407.8	73.7	79.2	63.6	61.0	50.4	24.87
87	412.9	72.9	78.5	63.6	61.0	49.9	25.20
88	417.9	72.1	77.8	63.7	61.1	49.5	25.52
89	422.9	71.3	77.1	63.7	61.1	49.1	25.84
90	427.8	70.5	76.4	63.7	61.1	48.7	26.15
91	432.7	69.7	75.7	63.7	61.2	48.2	26.46
92	437.5	68.9	74.9	63.7	61.2	47.7	26.77
93	442.3	68.1	74.2	63.7	61.2	47.3	27.07
94	447.0	67.3	73.5	63.7	61.2	46.8	27.37
95	451.7	66.5	72.7	63.8	61.3	46.4	27.67
96	456.3	65.6	72.0	63.8	61.3	45.9	27.96
97	460.8	64.8	71.2	63.8	61.3	45.4	28.25
98	465.3	63.9	70.3	63.8	61.3	44.9	28.54
99	469.7	63.0	69.5	63.8	61.4	44.3	28.82
100	474.0	62.1	68.7	63.8	61.4	43.8	29.10