

# *Lohmann*

# *Brown-Lite*

## *Layers in Alternative Systems*



*Performance Data*  
*Body weight tables*

BREEDING FOR SUCCESS ... TOGETHER



**LOHMANN**  
BREEDERS

# *Performance Data*

## **LOHMANN BROWN-LITE**

*Layers in Alternative Systems*

### *Egg Production*



*Age at 50 % production* 140 – 145 days

*Peak production* 94 – 96 %

#### *Eggs per Hen Housed*

*in 72 weeks of age* 324

*in 80 weeks of age* 367

*in 90 weeks of age* 416

#### *Egg Mass per Hen Housed*

*in 72 weeks of age* 19.99 kg

*in 80 weeks of age* 22.75 kg

*in 90 weeks of age* 25.94 kg

#### *Average Egg Weight*

*in 72 weeks of age* 61.7 g

*in 80 weeks of age* 62.0 g

*in 90 weeks of age* 62.4 g



### *Egg Characteristics*



*Shell colour:* attractive brown

*Shell breaking strength:* > 40 Newton

### *Feed Conversion Ratio*



2.15 – 2.25 kg/kg egg mass

### *Body weight*



*at 17 weeks* 1.41 kg

*at the end of production* 2.00 kg

### *Liveability*



*Rearing* 98 – 99 %

*Laying period (72 weeks)* 94 – 95 %

*Laying period (90 weeks)* 91 – 92 %

# *Body weight development*

## **LOHMANN BROWN-LITE**



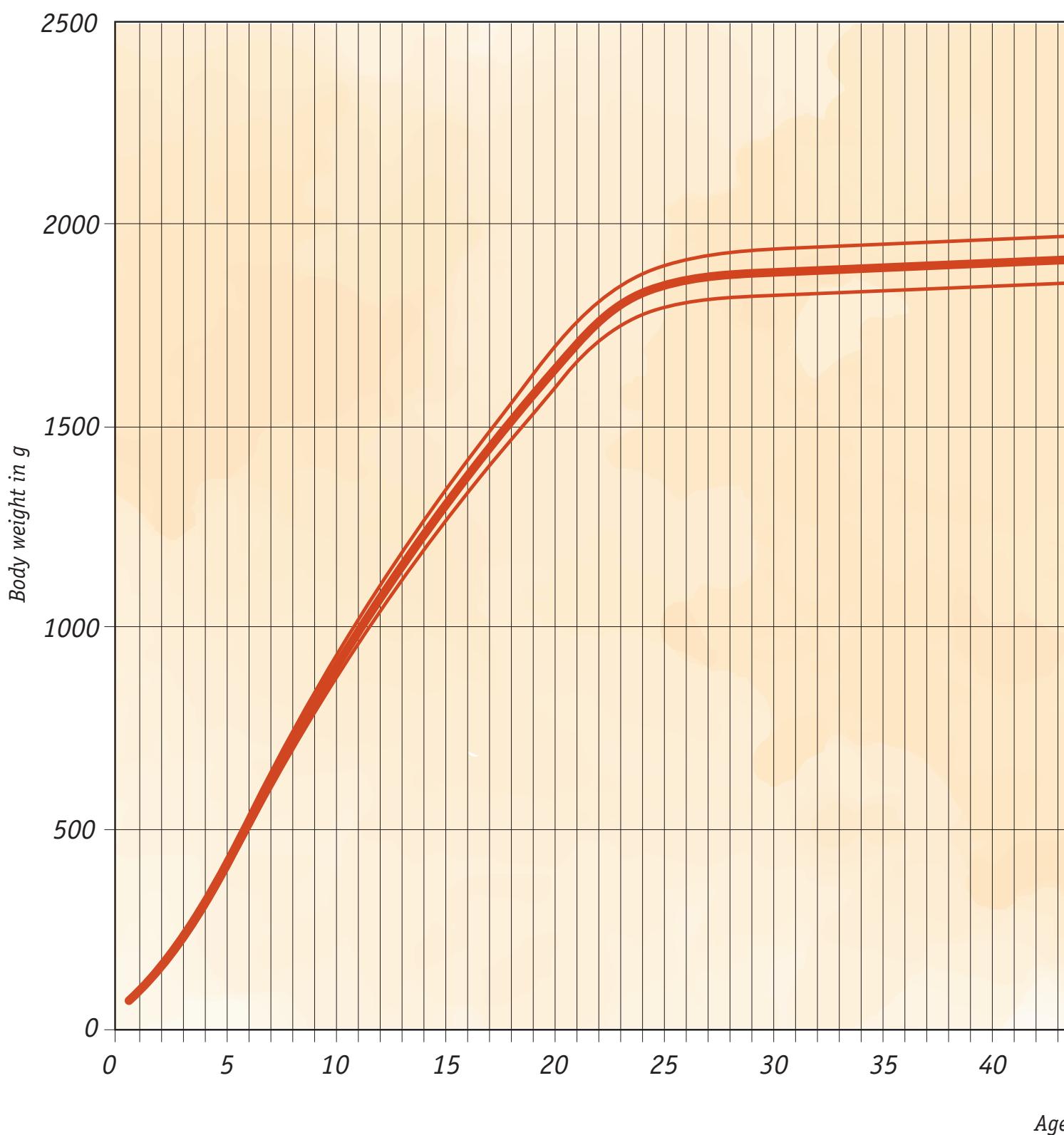
<b>Age</b>	<b>Min.</b>	<b>Max.</b>	<b>Standard</b>
1	73	77	75
2	121	129	125
3	184	196	190
4	261	277	269
5	350	372	361
6	449	477	463
7	549	583	566
8	647	687	667
9	742	788	765
10	834	886	860
11	921	977	949
12	1003	1065	1034
13	1082	1148	1115
14	1157	1229	1193
15	1229	1305	1267
16	1298	1378	1338
17	1365	1449	1407
18	1431	1519	1475
19	1498	1590	1544
20	1565	1661	1613
21	1629	1729	1679
22	1685	1789	1737
23	1728	1834	1781
24	1762	1872	1817
25	1788	1898	1843
26	1803	1915	1859
27	1811	1923	1867
28	1816	1928	1872
29	1819	1931	1875
30	1822	1934	1878

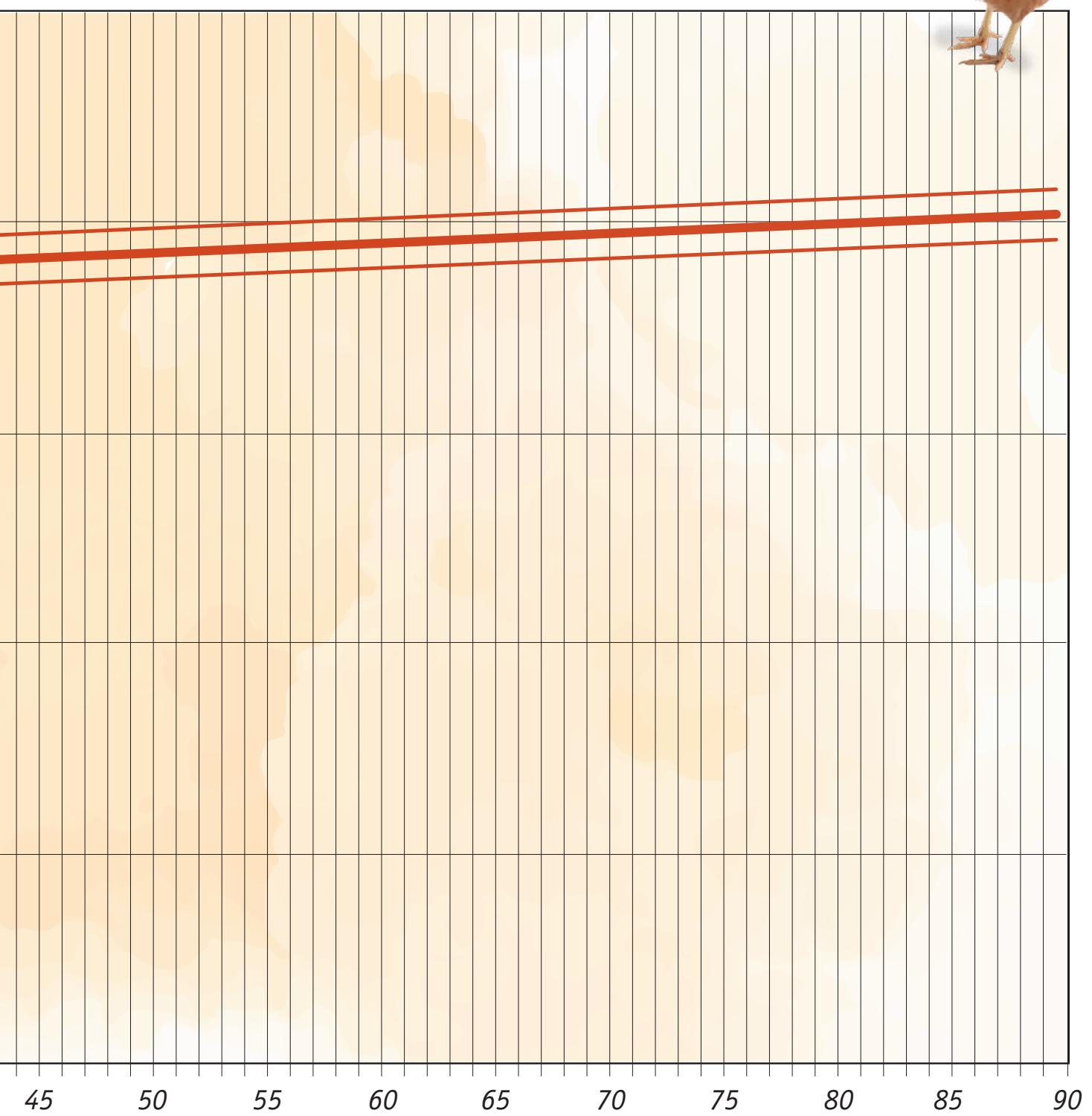
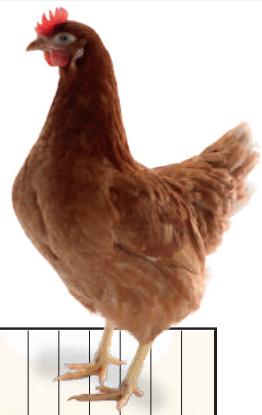
<b>Age</b>	<b>Min.</b>	<b>Max.</b>	<b>Standard</b>
31	1825	1937	1881
32	1827	1939	1883
33	1829	1943	1886
34	1832	1946	1889
35	1834	1948	1891
36	1836	1950	1893
37	1838	1952	1895
38	1840	1954	1897
39	1843	1957	1900
40	1845	1959	1902
41	1848	1962	1905
42	1851	1965	1908
43	1853	1967	1910
44	1855	1969	1912
45	1858	1972	1915
46	1859	1975	1917
47	1862	1978	1920
48	1864	1980	1922
49	1867	1983	1925
50	1870	1986	1928
51	1872	1988	1930
52	1874	1990	1932
53	1876	1992	1934
54	1878	1994	1936
55	1881	1997	1939
56	1884	2000	1942
57	1887	2003	1945
58	1889	2005	1947
59	1891	2007	1949
60	1892	2010	1951

<b>Age</b>	<b>Min.</b>	<b>Max.</b>	<b>Standard</b>
61	1895	2013	1954
62	1897	2015	1956
63	1900	2018	1959
64	1902	2020	1961
65	1905	2023	1964
66	1908	2026	1967
67	1910	2028	1969
68	1912	2030	1971
69	1915	2033	1974
70	1917	2035	1976
71	1919	2037	1978
72	1921	2039	1980
73	1924	2042	1983
74	1926	2046	1986
75	1928	2048	1988
76	1930	2050	1990
77	1933	2053	1993
78	1935	2055	1995
79	1937	2057	1997
80	1939	2059	1999
81	1941	2061	2001
82	1943	2063	2003
83	1944	2064	2004
84	1946	2066	2006
85	1947	2067	2007
86	1947	2067	2007
87	1948	2068	2008
88	1948	2068	2008
89	1949	2069	2009
90	1949	2069	2009

# *Body weight development*

**LOHMANN BROWN-LITE**





in Weeks

# *Performance Goals*

## **LOHMANN BROWN-LITE**

<b>Age in Weeks</b>	<b>Egg No. per H.H.</b>	<b>Rate of Lay</b>		<b>Egg Weight</b>		<b>Egg Mass g/H.D.</b>	<b>Egg Mass kg/H.H.</b>
		<b>cumulative</b>	<b>per H.H.</b>	<b>per H.D.</b>	<b>in Week</b>		
19	0.7		9.3	9.3	42.5	42.5	4.0
20	3.2		36.6	36.7	44.9	44.4	16.5
21	7.0		54.5	54.7	47.5	46.0	26.0
22	12.1		72.0	72.2	49.9	47.6	36.0
23	17.8		82.3	82.6	52.1	49.1	43.0
24	24.0		87.8	88.2	54.0	50.3	47.6
25	30.3		91.0	91.4	55.7	51.4	50.9
26	36.8		92.7	93.2	56.9	52.4	53.0
27	43.4		93.7	94.3	58.0	53.2	54.6
28	50.0		94.3	94.9	58.9	54.0	55.8
29	56.6		94.5	95.2	59.7	54.6	56.8
30	63.2		94.7	95.4	60.3	55.2	57.5
31	69.9		94.8	95.6	60.7	55.7	58.0
32	76.5		94.8	95.7	61.1	56.2	58.5
33	83.2		94.9	95.8	61.4	56.6	58.8
34	89.8		94.8	95.8	61.6	57.0	59.0
35	96.4		94.6	95.7	61.8	57.3	59.1
36	103.0		94.5	95.6	61.9	57.6	59.2
37	109.6		94.2	95.4	62.1	57.9	59.2
38	116.2		94.0	95.2	62.2	58.1	59.2
39	122.8		93.7	95.1	62.3	58.4	59.3
40	129.3		93.5	94.9	62.5	58.6	59.3
41	135.8		93.2	94.7	62.6	58.8	59.3
42	142.3		92.9	94.5	62.8	58.9	59.3
43	148.8		92.6	94.3	62.9	59.1	59.3
44	155.3		92.3	94.1	63.0	59.3	59.3
45	161.7		92.0	93.8	63.1	59.4	59.2
46	168.1		91.6	93.6	63.2	59.6	59.1
47	174.5		91.2	93.3	63.3	59.7	59.0
48	180.9		90.9	93.0	63.4	59.8	58.9
49	187.2		90.5	92.7	63.5	60.0	58.8
50	193.5		90.0	92.3	63.5	60.1	58.7
51	199.8		89.6	92.0	63.6	60.2	58.5
52	206.0		89.2	91.7	63.7	60.3	58.4
53	212.2		88.7	91.3	63.7	60.4	58.2
54	218.4		88.3	91.0	63.8	60.5	58.0
55	224.6		87.8	90.6	63.9	60.6	57.8

# Performance Goals

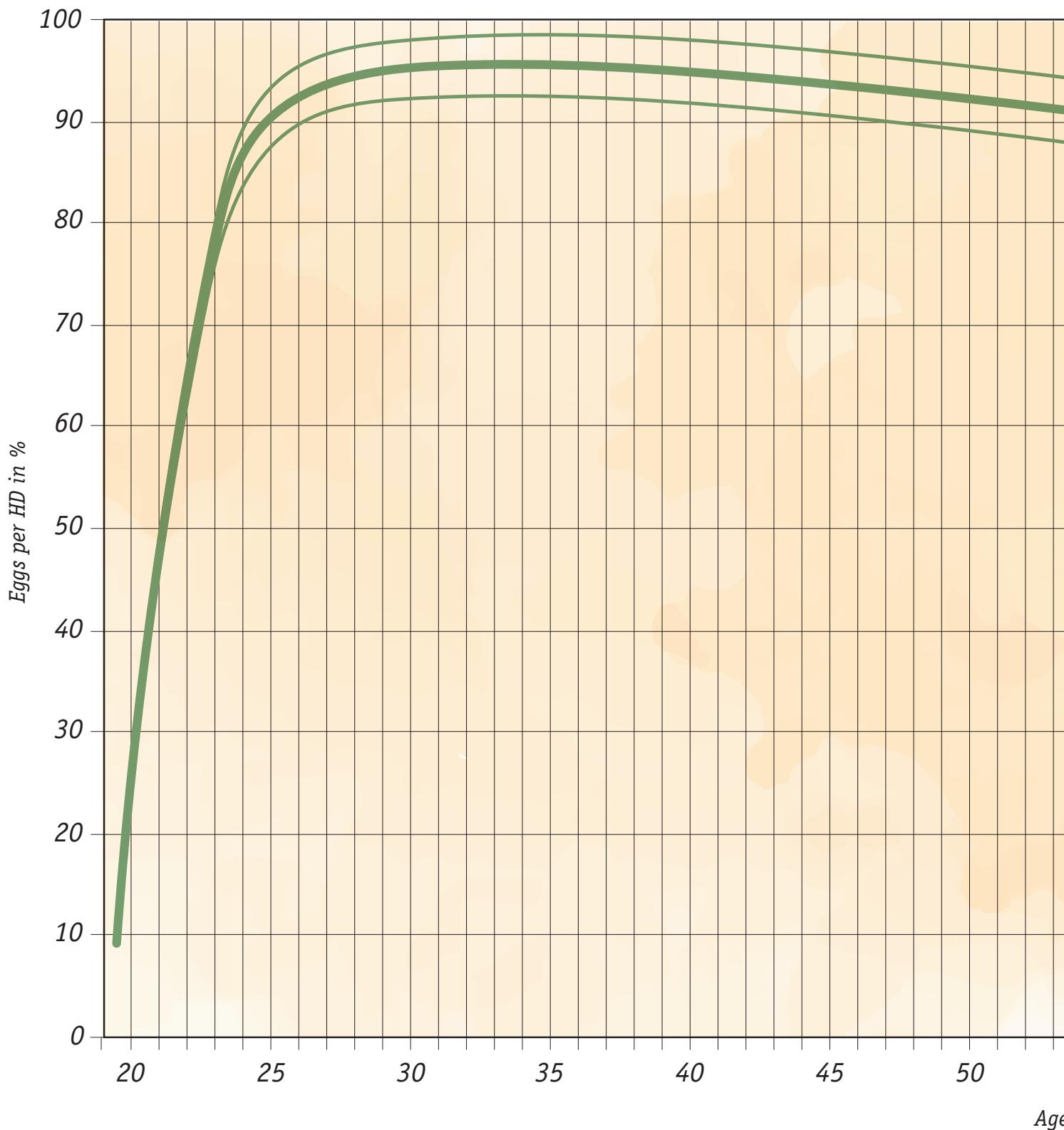
## LOHMANN BROWN-LITE

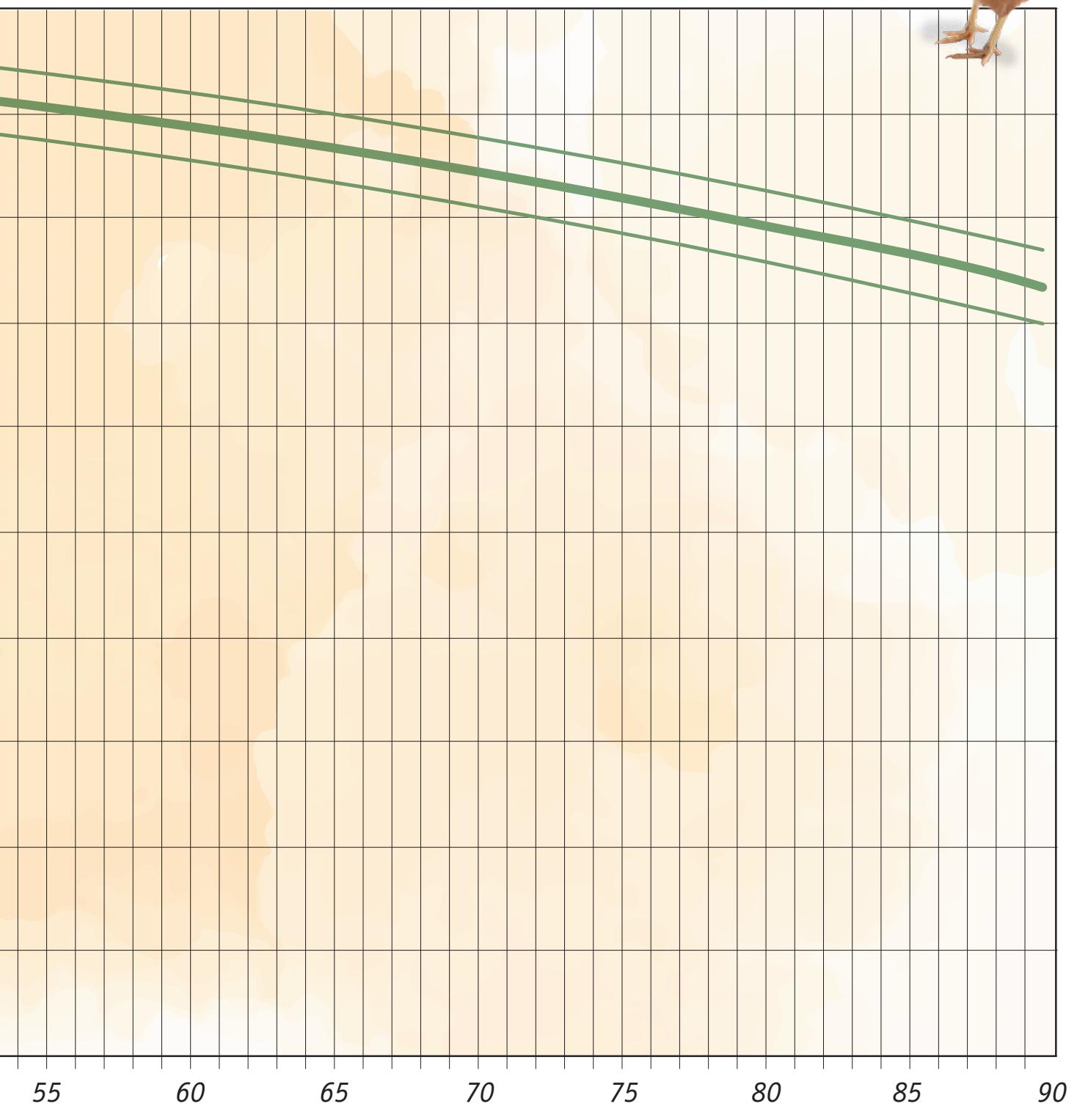


Age in Weeks	Egg No. per H.H.	Rate of Lay %		Egg Weight g		Egg Mass g/H.D. kg/H.H.	
	cumulative	per H.H.	per H.D.	in Week	cumulative	in Week	cumulative
56	230.7	87.4	90.2	63.9	60.7	57.7	14.00
57	236.8	86.9	89.9	64.0	60.8	57.5	14.39
58	242.8	86.4	89.5	64.0	60.8	57.3	14.77
59	248.8	86.0	89.1	64.1	60.9	57.1	15.16
60	254.8	85.5	88.8	64.1	61.0	56.9	15.54
61	260.8	85.0	88.4	64.1	61.1	56.7	15.92
62	266.7	84.5	88.0	64.2	61.1	56.5	16.30
63	272.6	84.0	87.6	64.2	61.2	56.3	16.68
64	278.4	83.5	87.2	64.3	61.3	56.1	17.06
65	284.2	83.0	86.8	64.3	61.3	55.9	17.43
66	290.0	82.5	86.5	64.3	61.4	55.6	17.80
67	295.8	82.0	86.1	64.4	61.4	55.4	18.17
68	301.5	81.5	85.6	64.4	61.5	55.1	18.54
69	307.1	81.0	85.2	64.4	61.6	54.9	18.91
70	312.8	80.4	84.7	64.4	61.6	54.6	19.27
71	318.3	79.8	84.3	64.5	61.7	54.3	19.63
72	323.9	79.2	83.7	64.5	61.7	54.0	19.99
73	329.4	78.6	83.2	64.5	61.8	53.7	20.34
74	334.8	77.9	82.7	64.6	61.8	53.4	20.69
75	340.3	77.3	82.2	64.6	61.8	53.1	21.04
76	345.6	76.7	81.7	64.6	61.9	52.8	21.39
77	350.9	76.0	81.1	64.6	61.9	52.4	21.73
78	356.2	75.4	80.6	64.7	62.0	52.1	22.07
79	361.5	74.7	80.0	64.7	62.0	51.8	22.41
80	366.6	74.1	79.5	64.8	62.0	51.5	22.75
81	371.8	73.4	78.9	64.8	62.1	51.1	23.08
82	376.9	72.7	78.3	64.8	62.1	50.8	23.41
83	381.9	72.0	77.8	64.9	62.2	50.4	23.74
84	386.9	71.3	77.2	64.9	62.2	50.1	24.06
85	391.8	70.6	76.6	64.9	62.2	49.7	24.38
86	396.7	69.9	76.0	65.0	62.3	49.4	24.70
87	401.6	69.2	75.3	65.0	62.3	49.0	25.02
88	406.4	68.5	74.7	65.1	62.3	48.6	25.33
89	411.1	67.8	74.1	65.1	62.4	48.2	25.64
90	415.8	67.1	73.5	65.1	62.4	47.9	25.94

# Egg Production Curve

## LOHMANN BROWN-LITE





Weight in Grams  
*Weight in Weeks*

# Notes

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