

# *Lohmann*

# *Brown-Extra*

## *Layers in Alternative Systems*



*Performance Data*  
*Body weight tables*

BREEDING FOR SUCCESS ... TOGETHER



**LOHMANN**  
BREEDERS

# *Performance Data*

## **LOHMANN BROWN-EXTRA**

*Layers in Alternative Systems*

### *Egg Production*



*Age at 50 % production* 145 – 140 days

*Peak production* 95 – 93 %

#### *Eggs per Hen Housed*

*in 72 weeks of age* 318

*in 80 weeks of age* 360

*in 90 weeks of age* 408

#### *Egg Mass per Hen Housed*

*in 72 weeks of age* 20.45 kg

*in 80 weeks of age* 23.28 kg

*in 90 weeks of age* 26.56 kg

#### *Average Egg Weight*

*in 72 weeks of age* 64.3 g

*in 80 weeks of age* 64.7 g

*in 90 weeks of age* 65.1 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* 1.43 kg

*at the end of production* 2.05 kg

### *Liveability*



*Rearing* 99 – 98 %

*Laying period (72 weeks)* 95 – 94 %

*Laying period (90 weeks)* 92 – 91 %

# *Body weight development*

## **LOHMANN BROWN-EXTRA**



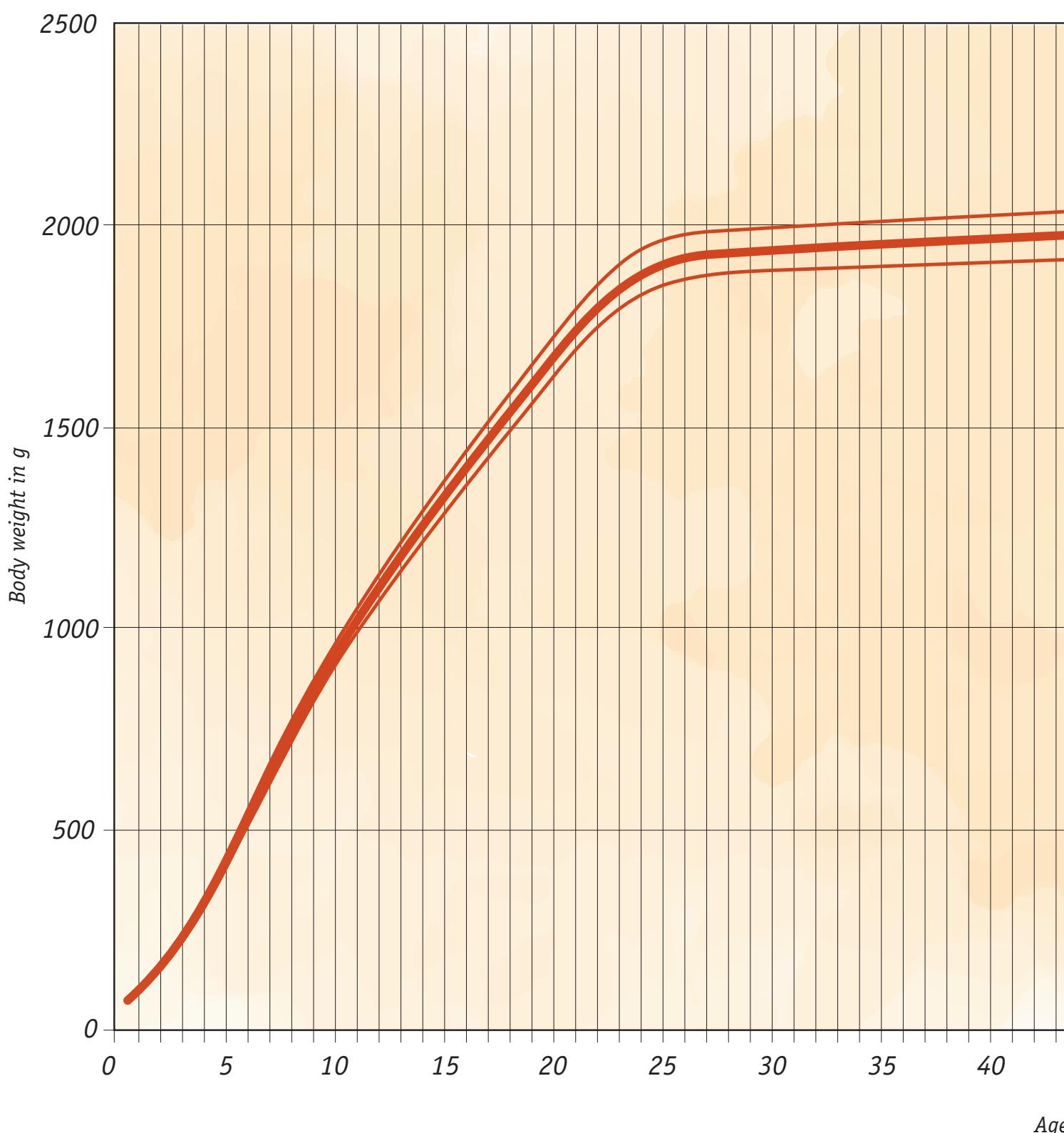
<b>Age</b>	<b>Min.</b>	<b>Max.</b>	<b>Standard</b>
1	73	77	75
2	126	134	130
3	189	201	195
4	268	284	276
5	360	382	371
6	462	490	476
7	566	600	583
8	668	710	689
9	767	815	791
10	861	915	888
11	950	1008	979
12	1032	1096	1064
13	1109	1177	1143
14	1181	1255	1218
15	1251	1329	1290
16	1320	1402	1361
17	1388	1474	1431
18	1457	1547	1502
19	1525	1619	1572
20	1592	1691	1642
21	1657	1760	1709
22	1718	1825	1772
23	1772	1881	1827
24	1815	1928	1872
25	1845	1960	1903
26	1860	1975	1918
27	1868	1983	1926
28	1873	1988	1931
29	1877	1994	1936
30	1883	2000	1942

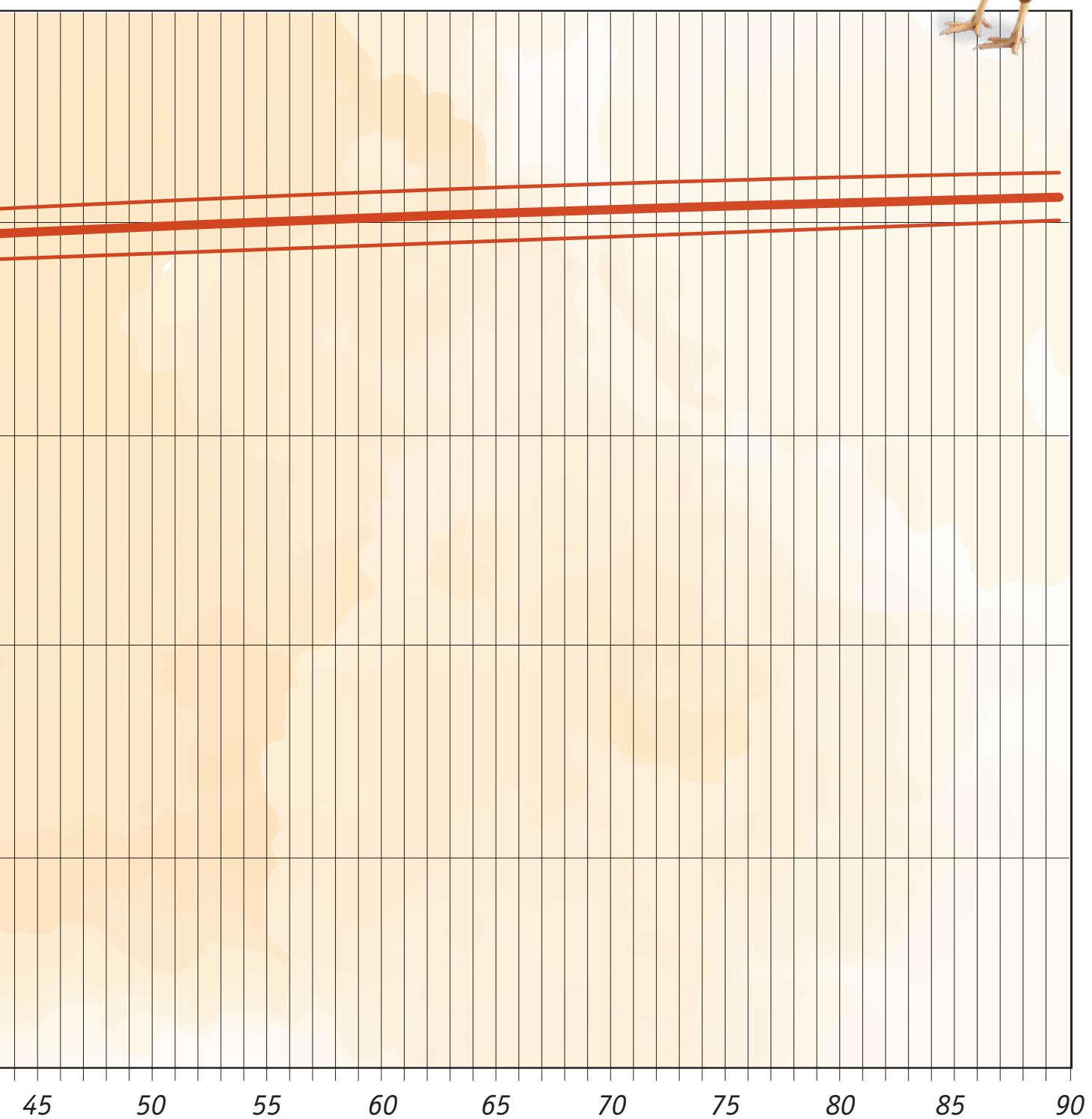
<b>Age</b>	<b>Min.</b>	<b>Max.</b>	<b>Standard</b>
31	1886	2003	1945
32	1888	2005	1947
33	1891	2008	1950
34	1894	2011	1953
35	1896	2013	1955
36	1898	2015	1957
37	1901	2018	1960
38	1903	2020	1962
39	1906	2023	1965
40	1908	2025	1967
41	1909	2028	1969
42	1912	2031	1972
43	1914	2033	1974
44	1916	2035	1976
45	1919	2038	1979
46	1921	2040	1981
47	1923	2042	1983
48	1925	2044	1985
49	1928	2047	1988
50	1930	2049	1990
51	1932	2051	1992
52	1934	2053	1994
53	1937	2056	1997
54	1939	2058	1999
55	1940	2061	2001
56	1942	2063	2003
57	1945	2066	2006
58	1947	2068	2008
59	1949	2070	2010
60	1951	2072	2012

<b>Age</b>	<b>Min.</b>	<b>Max.</b>	<b>Standard</b>
61	1953	2074	2014
62	1955	2076	2016
63	1958	2079	2019
64	1960	2081	2021
65	1962	2083	2023
66	1964	2085	2025
67	1966	2087	2027
68	1968	2089	2029
69	1970	2091	2031
70	1972	2093	2033
71	1973	2096	2035
72	1974	2097	2036
73	1976	2099	2038
74	1978	2101	2040
75	1980	2103	2042
76	1981	2104	2043
77	1983	2106	2045
78	1985	2108	2047
79	1986	2109	2048
80	1988	2111	2050
81	1989	2112	2051
82	1990	2113	2052
83	1992	2115	2054
84	1993	2116	2055
85	1994	2117	2056
86	1994	2117	2056
87	1995	2118	2057
88	1995	2118	2057
89	1996	2119	2058
90	1996	2119	2058

# *Body weight development*

**LOHMANN BROWN-EXTRA**





Age in Weeks

# *Performance Goals*

## **LOHMANN BROWN-EXTRA**

Age in Weeks	Egg No. per H.H.	Rate of Lay		Egg Weight		Egg Mass	
		%		g		g/H.D.	kg/H.H.
	cumulative	per H.H.	per H.D.	in Week	cumulative	in Week	cumulative
19	0.6	8.2	8.2	44.1	44.1	3.6	0.03
20	2.9	33.9	34.0	46.6	46.1	15.8	0.14
21	6.6	52.8	53.0	49.3	47.9	26.1	0.32
22	11.5	69.9	70.1	51.7	49.5	36.3	0.57
23	17.2	80.7	81.0	53.9	51.0	43.7	0.88
24	23.2	86.5	86.8	55.9	52.2	48.5	1.21
25	29.5	89.6	90.0	57.6	53.4	51.9	1.58
26	35.9	91.3	91.8	58.9	54.4	54.1	1.95
27	42.4	92.3	92.9	60.0	55.2	55.7	2.34
28	48.9	92.8	93.4	60.9	56.0	56.9	2.74
29	55.4	93.1	93.8	61.7	56.7	57.9	3.14
30	61.9	93.2	94.0	62.2	57.2	58.5	3.54
31	68.4	93.4	94.2	62.8	57.8	59.1	3.95
32	75.0	93.4	94.3	63.2	58.2	59.6	4.37
33	81.5	93.5	94.4	63.5	58.7	60.0	4.78
34	88.1	93.3	94.3	63.8	59.0	60.2	5.20
35	94.6	93.2	94.2	64.1	59.4	60.3	5.62
36	101.1	93.0	94.1	64.3	59.7	60.5	6.04
37	107.6	92.7	93.9	64.5	60.0	60.6	6.45
38	114.1	92.5	93.7	64.7	60.3	60.6	6.87
39	120.5	92.2	93.6	64.9	60.5	60.7	7.29
40	126.9	92.0	93.4	65.0	60.7	60.7	7.71
41	133.4	91.7	93.2	65.2	61.0	60.7	8.13
42	139.8	91.4	93.0	65.3	61.2	60.8	8.55
43	146.2	91.1	92.8	65.5	61.3	60.7	8.96
44	152.5	90.8	92.6	65.6	61.5	60.7	9.38
45	158.8	90.5	92.3	65.7	61.7	60.7	9.80
46	165.1	90.1	92.0	65.9	61.8	60.6	10.21
47	171.4	89.7	91.7	66.0	62.0	60.5	10.63
48	177.7	89.3	91.4	66.1	62.1	60.4	11.04
49	183.9	88.9	91.1	66.2	62.3	60.3	11.45
50	190.1	88.6	90.8	66.3	62.4	60.2	11.87
51	196.3	88.0	90.3	66.4	62.5	60.0	12.27
52	202.4	87.6	90.0	66.5	62.7	59.9	12.68
53	208.5	87.0	89.5	66.7	62.8	59.7	13.09
54	214.5	86.6	89.2	66.8	62.9	59.5	13.49
55	220.6	86.1	88.8	66.8	63.0	59.4	13.90

# Performance Goals

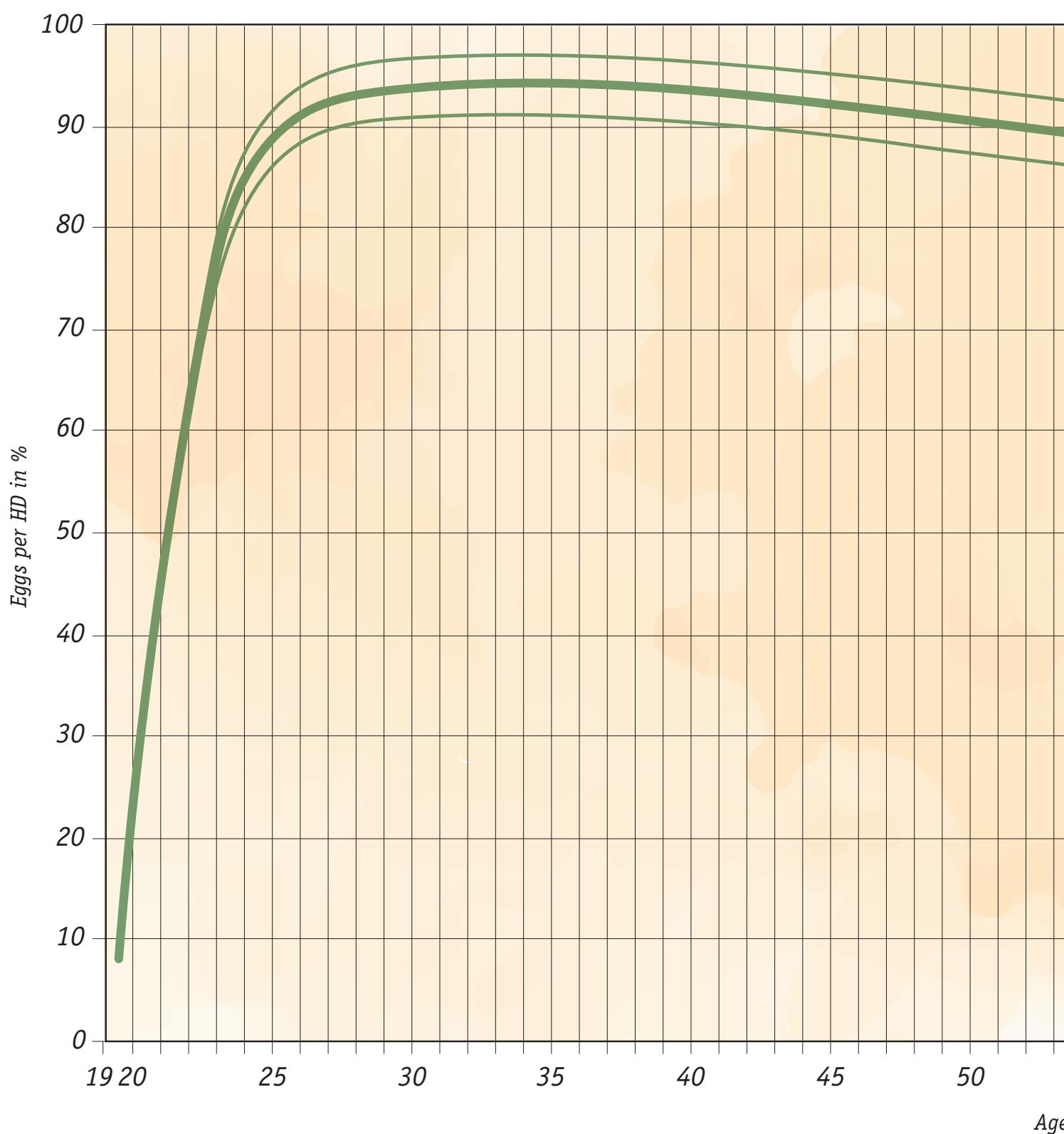
## LOHMANN BROWN-EXTRA

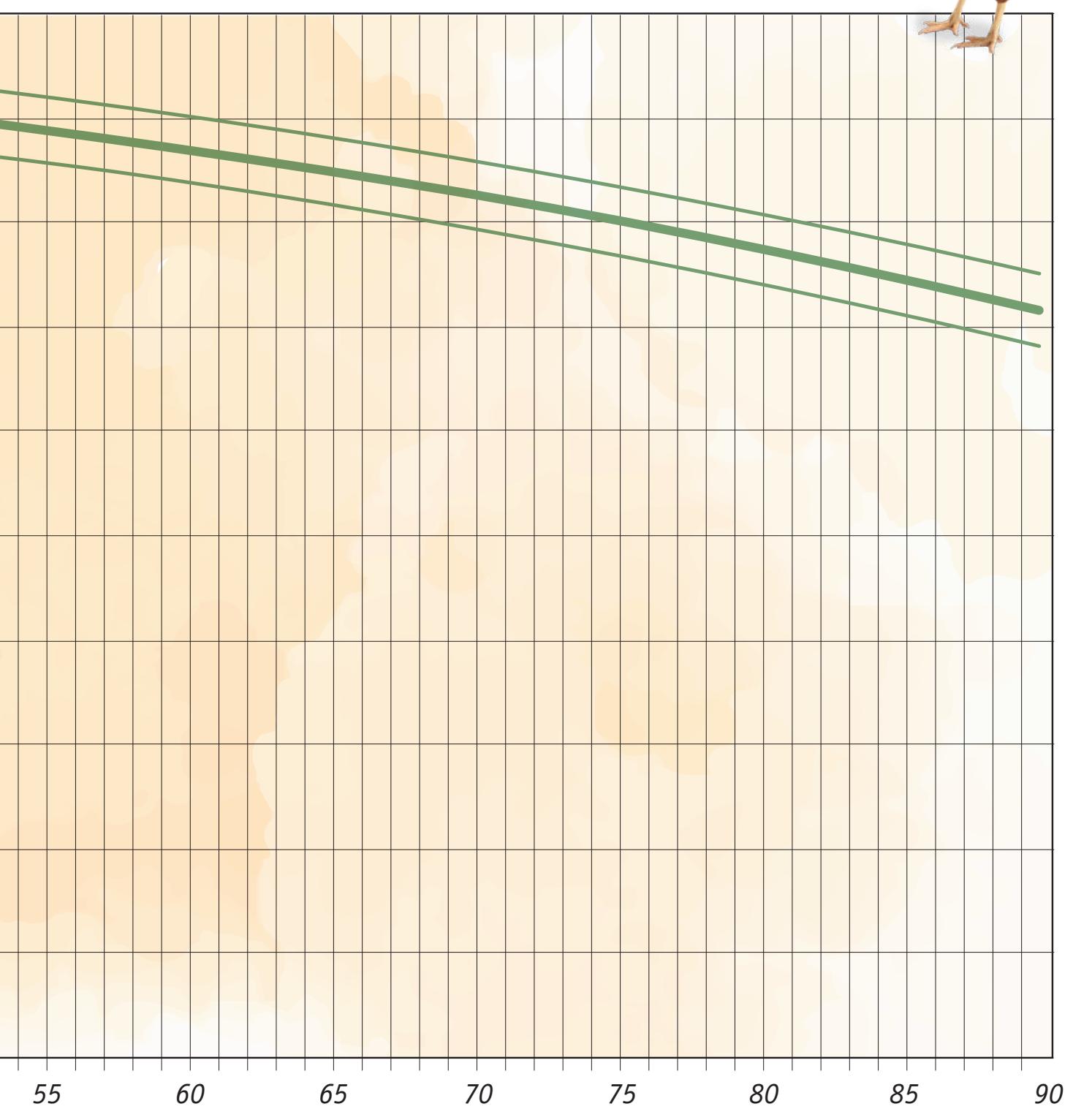


Age in Weeks	Egg No. per H.H.	Rate of Lay %		Egg Weight g		Egg Mass g/H.D.	
		cumulative	per H.H.	per H.D.	in Week	cumulative	in Week
56	226.6		85.6	88.5	66.9	63.1	59.2
57	232.5		85.2	88.1	67.0	63.2	59.0
58	238.5		84.7	87.7	67.1	63.3	58.8
59	244.4		84.2	87.3	67.1	63.4	58.6
60	250.2		83.7	86.9	67.2	63.5	58.4
61	256.0		83.3	86.6	67.3	63.6	58.2
62	261.8		82.8	86.2	67.3	63.6	58.0
63	267.6		82.3	85.8	67.3	63.7	57.8
64	273.3		81.8	85.4	67.4	63.8	57.6
65	279.0		81.3	85.1	67.4	63.9	57.3
66	284.7		80.9	84.7	67.4	63.9	57.1
67	290.3		80.3	84.3	67.5	64.0	56.9
68	295.9		79.8	83.9	67.5	64.1	56.6
69	301.4		79.3	83.4	67.5	64.1	56.4
70	307.0		78.7	83.0	67.6	64.2	56.1
71	312.4		78.1	82.5	67.6	64.3	55.7
72	317.8		77.5	82.0	67.6	64.3	55.4
73	323.2		76.9	81.4	67.7	64.4	55.1
74	328.6		76.2	80.9	67.7	64.4	54.8
75	333.9		75.6	80.4	67.7	64.5	54.5
76	339.1		75.0	79.9	67.8	64.5	54.1
77	344.3		74.3	79.3	67.8	64.6	53.8
78	349.5		73.7	78.8	67.9	64.6	53.5
79	354.6		73.0	78.2	67.9	64.7	53.1
80	359.6		72.4	77.7	68.0	64.7	52.8
81	364.7		71.7	77.1	68.0	64.8	52.5
82	369.6		71.0	76.5	68.1	64.8	52.1
83	374.6		70.3	75.9	68.1	64.9	51.7
84	379.4		69.7	75.4	68.2	64.9	51.4
85	384.3		69.0	74.8	68.2	64.9	51.0
86	389.0		68.3	74.2	68.3	65.0	50.6
87	393.8		67.6	73.6	68.3	65.0	50.3
88	398.5		66.9	72.9	68.4	65.1	49.9
89	403.1		66.1	72.3	68.4	65.1	49.5
90	407.7		65.4	71.7	68.4	65.1	49.1

# Egg Production Curve

## LOHMANN BROWN-EXTRA





Age in Weeks

## *Notes*

## Disclaimer

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