

Lohmann Tradition

Layers in Alternative Systems



*Performance Data
Body weight tables*

BREEDING FOR SUCCESS ... TOGETHER



LOHMANN
BREEDERS

Performance Data

LOHMANN TRADITION

Layers in Alternative Systems

Egg Production



Age at 50 % production 145 – 140 days

Peak production 94 – 92 %

Eggs per Hen Housed

in 72 weeks of age 316

in 80 weeks of age 358

in 90 weeks of age 405

Egg Mass per Hen Housed

in 72 weeks of age 20.47 kg

in 80 weeks of age 23.33 kg

in 90 weeks of age 26.64 kg

Average Egg Weight

in 72 weeks of age 64.8 g

in 80 weeks of age 65.2 g

in 90 weeks of age 65.7 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 98 – 99 %

Laying period (72 weeks) 94 – 95 %

Laying period (90 weeks) 91 – 92 %

Body weight development

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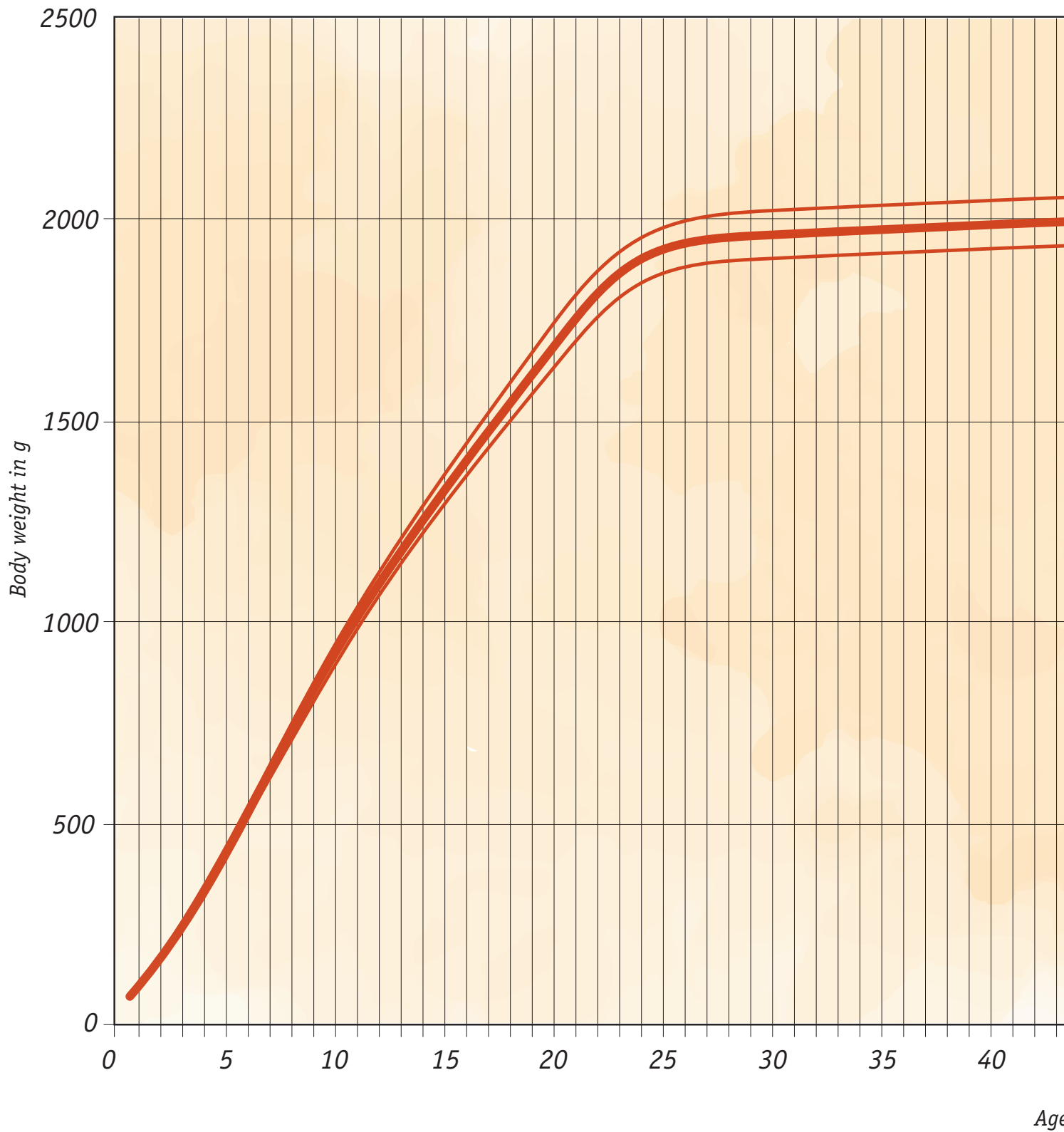
Age	Min.	Max.	Standard
1	74	79	76
2	127	135	131
3	191	202	196
4	269	286	277
5	363	386	374
6	468	497	482
7	574	609	591
8	677	719	698
9	777	825	801
10	870	923	896
11	955	1014	984
12	1034	1098	1066
13	1110	1179	1144
14	1181	1254	1217
15	1249	1326	1287
16	1315	1396	1355
17	1383	1468	1425
18	1456	1546	1501
19	1533	1628	1580
20	1609	1708	1658
21	1680	1784	1732
22	1743	1851	1797
23	1796	1907	1851
24	1836	1949	1892
25	1865	1980	1922
26	1880	1997	1938
27	1888	2004	1946
28	1892	2009	1951
29	1895	2013	1954
30	1898	2016	1957

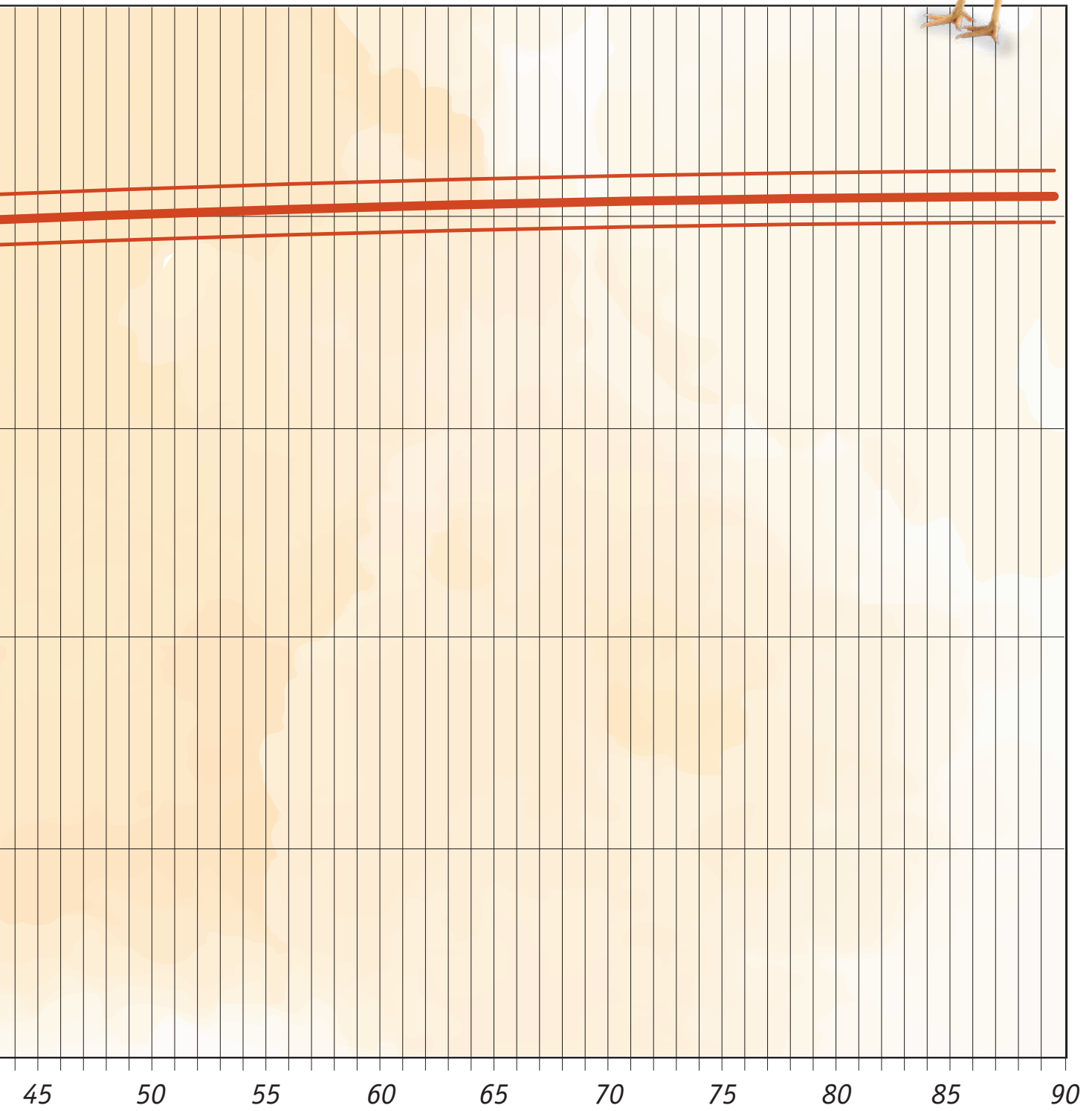
Age	Min.	Max.	Standard
31	1901	2019	1960
32	1904	2022	1963
33	1907	2025	1966
34	1910	2028	1969
35	1913	2031	1972
36	1916	2034	1975
37	1919	2037	1978
38	1921	2040	1981
39	1924	2043	1984
40	1927	2047	1987
41	1930	2050	1990
42	1933	2053	1993
43	1935	2055	1995
44	1937	2057	1997
45	1939	2059	1999
46	1941	2061	2001
47	1943	2063	2003
48	1945	2065	2005
49	1947	2067	2007
50	1949	2069	2009
51	1951	2071	2011
52	1953	2073	2013
53	1954	2075	2015
54	1956	2077	2017
55	1958	2079	2019
56	1960	2082	2021
57	1961	2083	2022
58	1962	2084	2023
59	1963	2085	2024
60	1964	2086	2025

Age	Min.	Max.	Standard
61	1965	2087	2026
62	1966	2088	2027
63	1967	2089	2028
64	1968	2090	2029
65	1969	2091	2030
66	1970	2092	2031
67	1971	2093	2032
68	1972	2094	2033
69	1973	2095	2034
70	1974	2096	2035
71	1975	2097	2036
72	1976	2098	2037
73	1977	2099	2038
74	1978	2100	2039
75	1979	2101	2040
76	1980	2102	2041
77	1981	2103	2042
78	1982	2104	2043
79	1983	2105	2044
80	1984	2106	2045
81	1985	2107	2046
82	1985	2108	2047
83	1986	2109	2048
84	1987	2110	2049
85	1988	2111	2050
86	1988	2111	2050
87	1989	2112	2051
88	1989	2112	2051
89	1990	2113	2052
90	1990	2113	2052

Body weight development

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Age in Weeks

Performance Goals

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Age in Weeks	Egg No. per H.H.	Rate of Lay %		Egg Weight g		Egg Mass	
	cumulative	per H.H.	per H.D.	in Week	cumulative	g/H.D.	kg/H.H.
19	0.6	8.0	8.0	44.5	44.5	3.6	0.02
20	2.9	33.6	33.7	47.0	46.5	15.8	0.14
21	6.6	52.3	52.5	49.7	48.3	26.1	0.32
22	11.4	69.4	69.6	52.1	49.9	36.3	0.57
23	17.0	80.2	80.5	54.3	51.4	43.7	0.88
24	23.0	85.8	86.2	56.3	52.6	48.5	1.21
25	29.3	89.0	89.4	58.1	53.8	52.0	1.58
26	35.6	90.7	91.2	59.5	54.8	54.2	1.95
27	42.0	91.7	92.3	60.6	55.7	55.9	2.34
28	48.5	92.2	92.8	61.5	56.5	57.0	2.74
29	55.0	92.5	93.2	62.2	57.1	57.9	3.14
30	61.5	92.6	93.3	62.7	57.7	58.5	3.55
31	67.9	92.7	93.5	63.2	58.2	59.0	3.96
32	74.4	92.7	93.6	63.5	58.7	59.5	4.37
33	80.9	92.8	93.7	63.9	59.1	59.8	4.78
34	87.4	92.7	93.6	64.2	59.5	60.1	5.20
35	93.9	92.5	93.5	64.4	59.8	60.2	5.62
36	100.3	92.3	93.4	64.6	60.1	60.3	6.03
37	106.8	92.1	93.3	64.8	60.4	60.5	6.45
38	113.2	91.9	93.1	65.0	60.7	60.6	6.87
39	119.6	91.7	93.0	65.2	60.9	60.6	7.29
40	126.0	91.4	92.8	65.4	61.1	60.6	7.71
41	132.4	91.1	92.6	65.5	61.4	60.7	8.13
42	138.8	90.9	92.4	65.7	61.6	60.7	8.54
43	145.1	90.6	92.2	65.8	61.7	60.7	8.96
44	151.4	90.3	92.0	65.9	61.9	60.6	9.38
45	157.7	89.9	91.7	66.1	62.1	60.6	9.79
46	164.0	89.6	91.5	66.2	62.2	60.5	10.21
47	170.2	89.2	91.2	66.3	62.4	60.5	10.62
48	176.5	88.8	90.9	66.5	62.5	60.4	11.03
49	182.7	88.4	90.5	66.6	62.7	60.3	11.45
50	188.8	88.0	90.2	66.7	62.8	60.2	11.86
51	194.9	87.6	89.9	66.8	62.9	60.0	12.27
52	201.0	87.1	89.6	66.9	63.0	59.9	12.67
53	207.1	86.7	89.2	67.0	63.2	59.8	13.08
54	213.1	86.2	88.9	67.1	63.3	59.6	13.49
55	219.2	85.8	88.5	67.2	63.4	59.4	13.89

Performance Goals

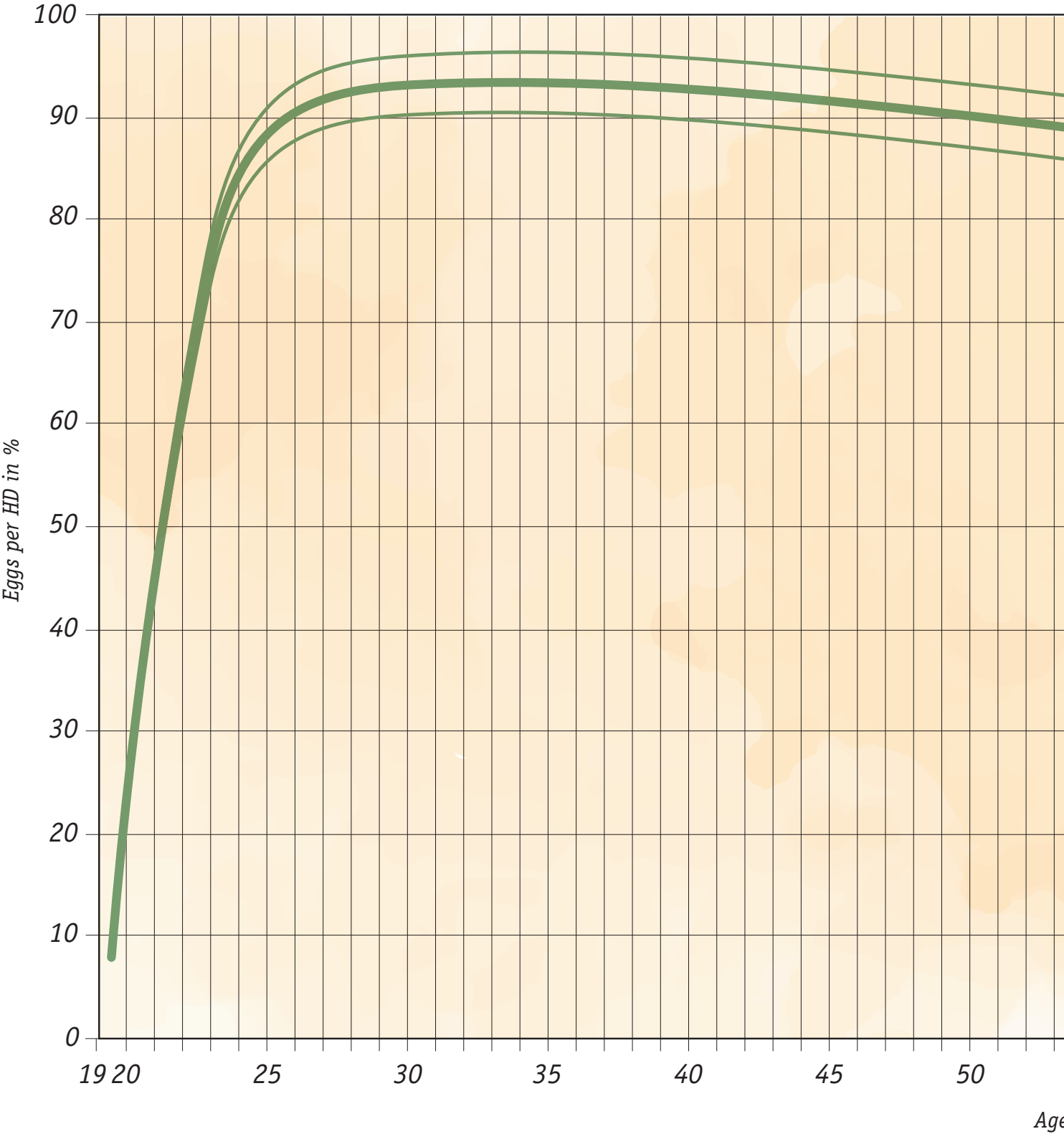
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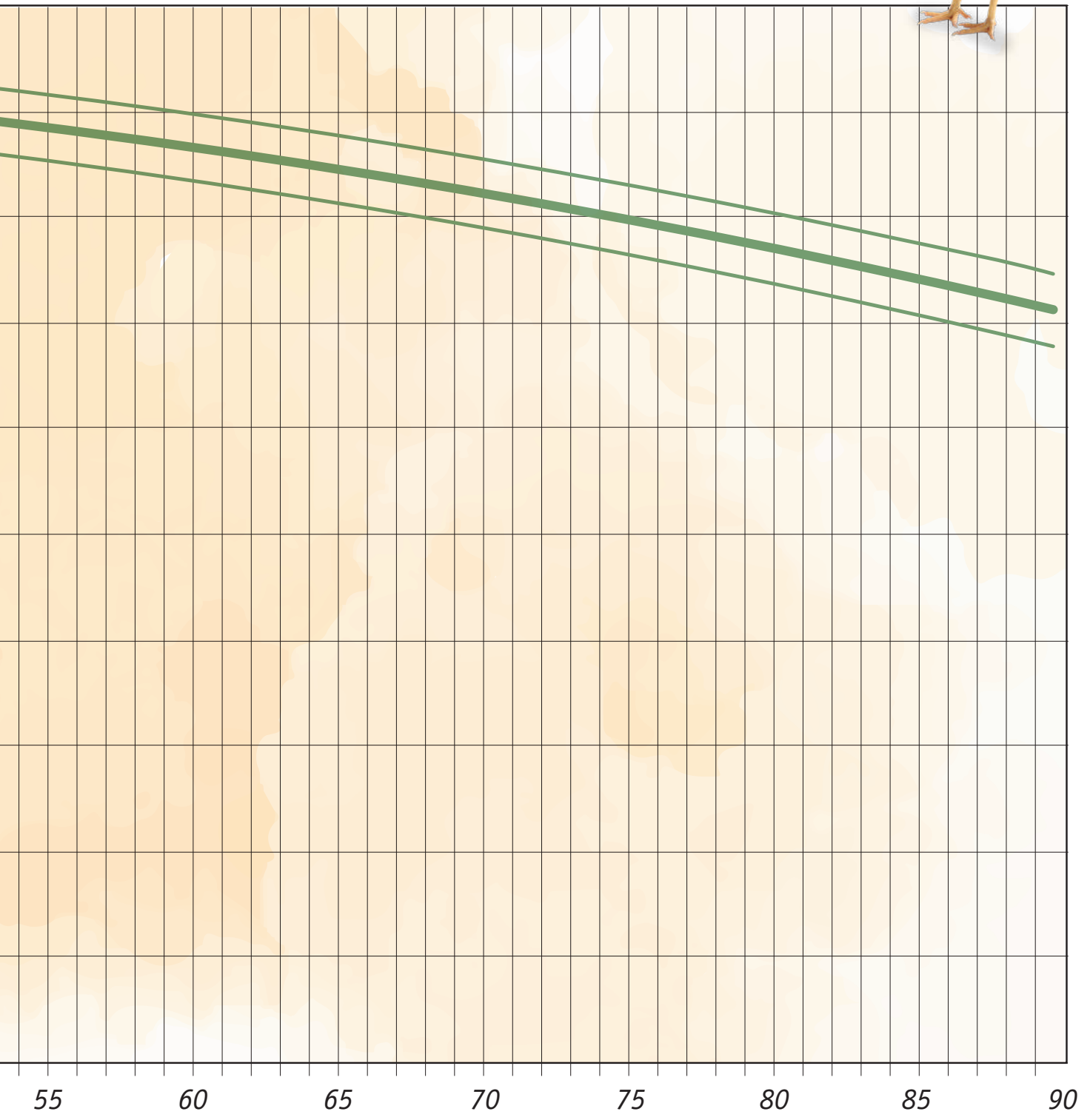


Age in Weeks	Egg No. per H.H.	Rate of Lay %		Egg Weight g		Egg Mass	
	cumulative	per H.H.	per H.D.	in Week	cumulative	g/H.D.	kg/H.H.
56	225.1	85.3	88.1	67.3	63.5	59.3	14.29
57	231.1	84.9	87.7	67.3	63.6	59.1	14.69
58	237.0	84.4	87.4	67.4	63.7	58.9	15.09
59	242.8	83.9	87.0	67.5	63.8	58.7	15.49
60	248.7	83.4	86.6	67.6	63.9	58.5	15.88
61	254.5	82.9	86.2	67.7	63.9	58.3	16.27
62	260.3	82.4	85.8	67.7	64.0	58.1	16.66
63	266.0	82.0	85.5	67.8	64.1	58.0	17.05
64	271.7	81.5	85.1	67.9	64.2	57.8	17.44
65	277.4	81.0	84.7	68.0	64.3	57.6	17.83
66	283.0	80.5	84.3	68.1	64.3	57.4	18.21
67	288.6	80.0	83.9	68.1	64.4	57.2	18.59
68	294.2	79.5	83.5	68.2	64.5	57.0	18.97
69	299.7	78.9	83.1	68.3	64.6	56.7	19.35
70	305.2	78.4	82.6	68.4	64.6	56.5	19.72
71	310.6	77.7	82.1	68.4	64.7	56.2	20.10
72	316.0	77.1	81.6	68.5	64.8	55.9	20.47
73	321.4	76.5	81.1	68.6	64.8	55.6	20.83
74	326.7	75.9	80.5	68.7	64.9	55.3	21.20
75	332.0	75.2	80.0	68.7	64.9	55.0	21.56
76	337.2	74.6	79.5	68.8	65.0	54.7	21.92
77	342.4	74.0	78.9	68.9	65.1	54.4	22.28
78	347.5	73.3	78.4	68.9	65.1	54.0	22.63
79	352.6	72.7	77.8	69.0	65.2	53.7	22.98
80	357.6	72.0	77.3	69.0	65.2	53.4	23.33
81	362.6	71.3	76.7	69.1	65.3	53.0	23.67
82	367.6	70.7	76.1	69.2	65.3	52.7	24.02
83	372.5	70.0	75.6	69.2	65.4	52.3	24.35
84	377.3	69.3	75.0	69.3	65.4	52.0	24.69
85	382.1	68.6	74.4	69.4	65.5	51.6	25.02
86	386.9	67.9	73.8	69.4	65.5	51.2	25.35
87	391.6	67.2	73.2	69.5	65.6	50.8	25.68
88	396.2	66.5	72.6	69.5	65.6	50.4	26.00
89	400.8	65.8	71.9	69.6	65.7	50.0	26.33
90	405.4	65.1	71.3	69.6	65.7	49.6	26.64

Egg Production Curve

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Age in Weeks

Notes

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