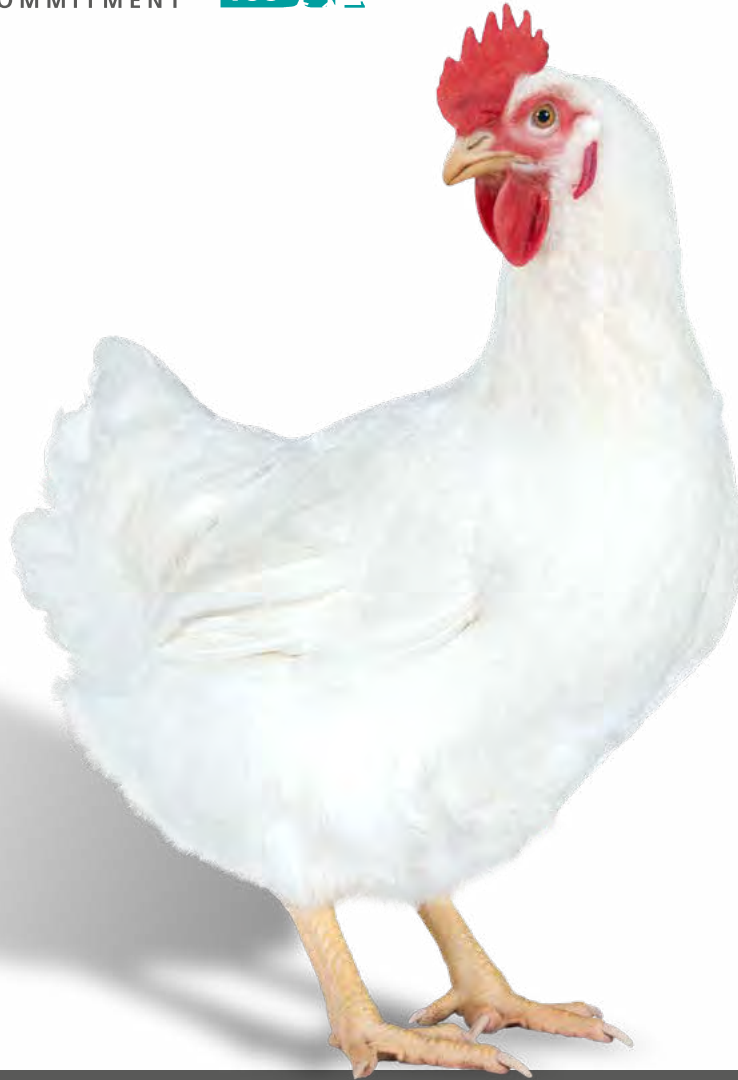


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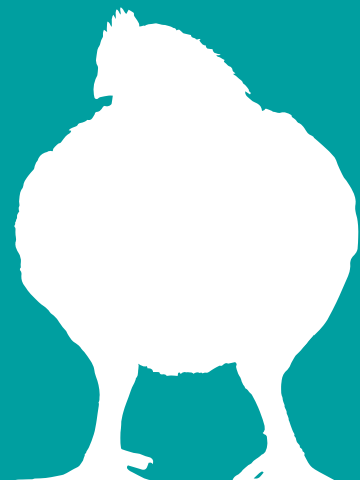
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PERFORMANCE OBJECTIVES
OBJETIVOS DE RESULTADOS

EFFICIENCY PLUS

PARENT STOCK FEMALE
HEMBRA REPRODUCTORA



IMPERIAL

PARENT STOCK FEMALE FEEDING AND BODYWEIGHT OBJECTIVES – REARING PERIOD OBJETIVOS DE RACIÓN Y PESO DE LA HEMBRA REPRODUCTORA – PERÍODO DE RECRÍA

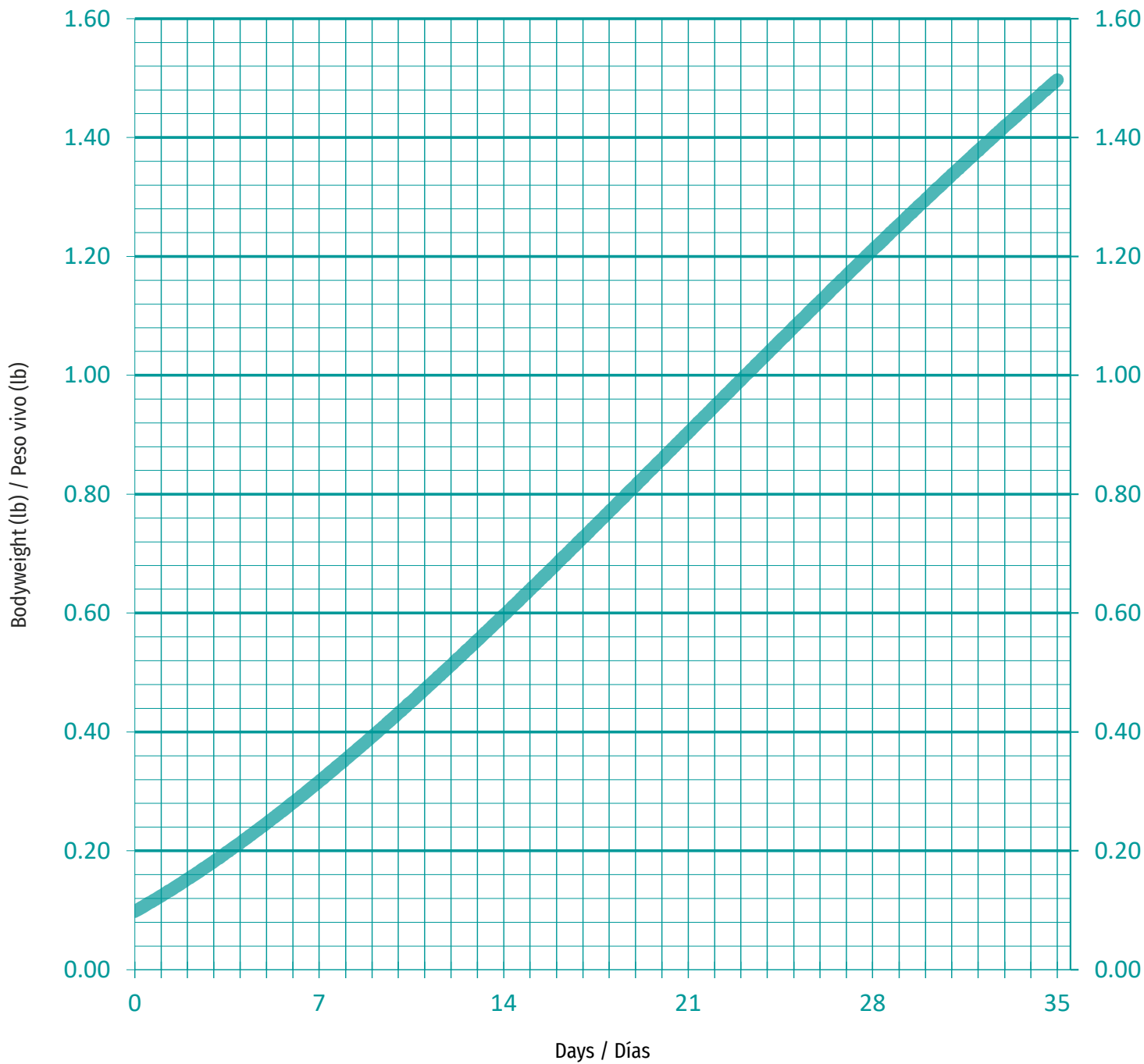
The primary objective to consider is the bodyweight. The composition of the feed may differ from the values shown below.
El único objetivo a tener en cuenta es el peso. La ración de alimentación puede ser diferente de los datos abajo mencionados.

Age / Edad		Dark house / Naves cerradas Open house in season / Nave abierta en estación				Difficult conditions / Condiciones difíciles Open side house out of season / Nave abierta fuera de estación			
Weeks Semanas	Days Días	Bodyweight (lb) Peso vivo (lb)	Growth (lb) Incremento (lb)	Ration (lb per 100/day) Ración (lb para 100/día)	ME (kcal/day) EM (kcal/día)	Bodyweight (lb) Peso vivo (lb)	Growth (lb) Incremento (lb)	Ration (lb per 100/day) Ración (lb para 100/día)	ME (kcal/day) EM (kcal/día)
Starter feed / Alimento iniciador (Min 1270-1290 kcal ME/lb)									
0	0			Ad libitum				Ad libitum	
1	7	0.31		Ad libitum (5.3)	68	0.31		Ad libitum (5.3)	68
2	14	0.60	0.29	Ad libitum (6.6)	86	0.60	0.29	Ad libitum (6.6)	86
3	21	0.90	0.31	7.7	100	0.90	0.31	7.7	100
4	28	1.21	0.31	8.8	112	1.21	0.31	8.9	113
Grower feed / Alimento de crecimiento (1200 kcal ME/lb)									
5	35	1.50	0.29	10.1	122	1.51	0.30	10.3	124
6	42	1.76	0.26	10.9	131	1.79	0.28	11.1	133
7	49	2.01	0.24	11.6	139	2.04	0.25	11.8	142
8	56	2.24	0.23	12.2	147	2.28	0.24	12.5	150
9	63	2.46	0.22	12.8	154	2.51	0.23	13.1	157
10	70	2.67	0.21	13.4	161	2.73	0.22	13.6	164
11	77	2.88	0.21	14.0	168	2.95	0.22	14.3	172
12	84	3.09	0.21	14.6	176	3.17	0.22	15.0	180
13	91	3.31	0.22	15.4	185	3.41	0.23	15.7	189
14	98	3.54	0.23	16.2	195	3.65	0.24	16.6	200
15	105	3.78	0.24	17.1	206	3.90	0.25	17.6	212
16	112	4.03	0.25	18.1	218	4.17	0.26	18.7	225
17	119	4.30	0.26	19.2	231	4.44	0.28	19.8	238
Transition feed / Alimento de transición* (1250 kcal ME/lb)									
18	126	4.57	0.28	19.6	245	4.73	0.29	20.2	252
19	133	4.86	0.29	20.8	260	5.03	0.30	21.4	267
20	140	5.17	0.31	22.1	276	5.35	0.32	22.7	283
21	147	5.52	0.35	23.5	293	5.68	0.33	24.1	300
22	154	5.88	0.35	24.9	311	6.01	0.33	25.5	318
23	161	6.22	0.34	26.5	330	6.34	0.33	27.0	337
24	168	6.54	0.32	28.1	350	6.65	0.31	28.6	357

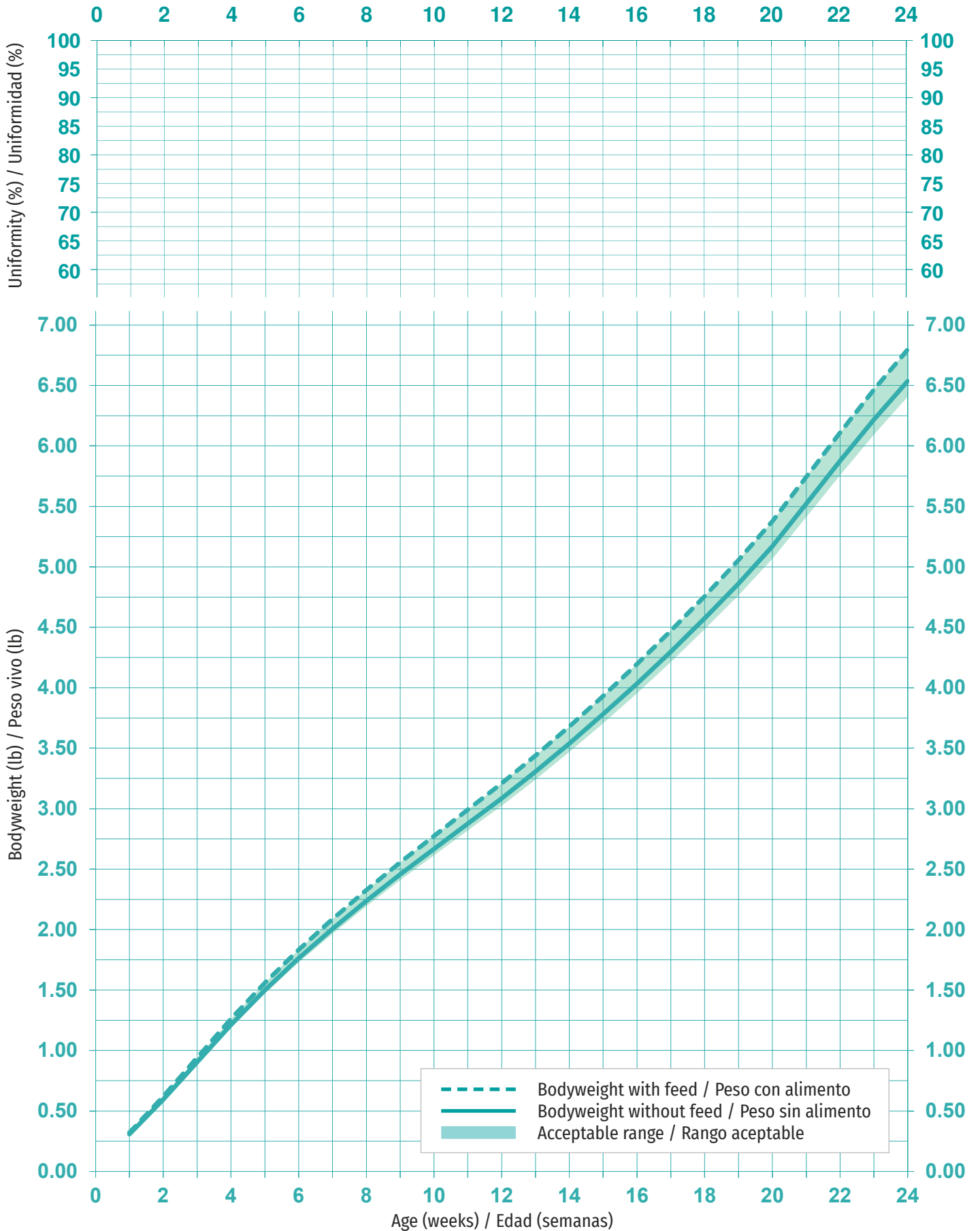
Birds are weighed without feed in the crop.
Las gallinas están pesadas sin alimento.

* Transition feed starts at 126 days / El alimento de transición se inicia a los 126 días.

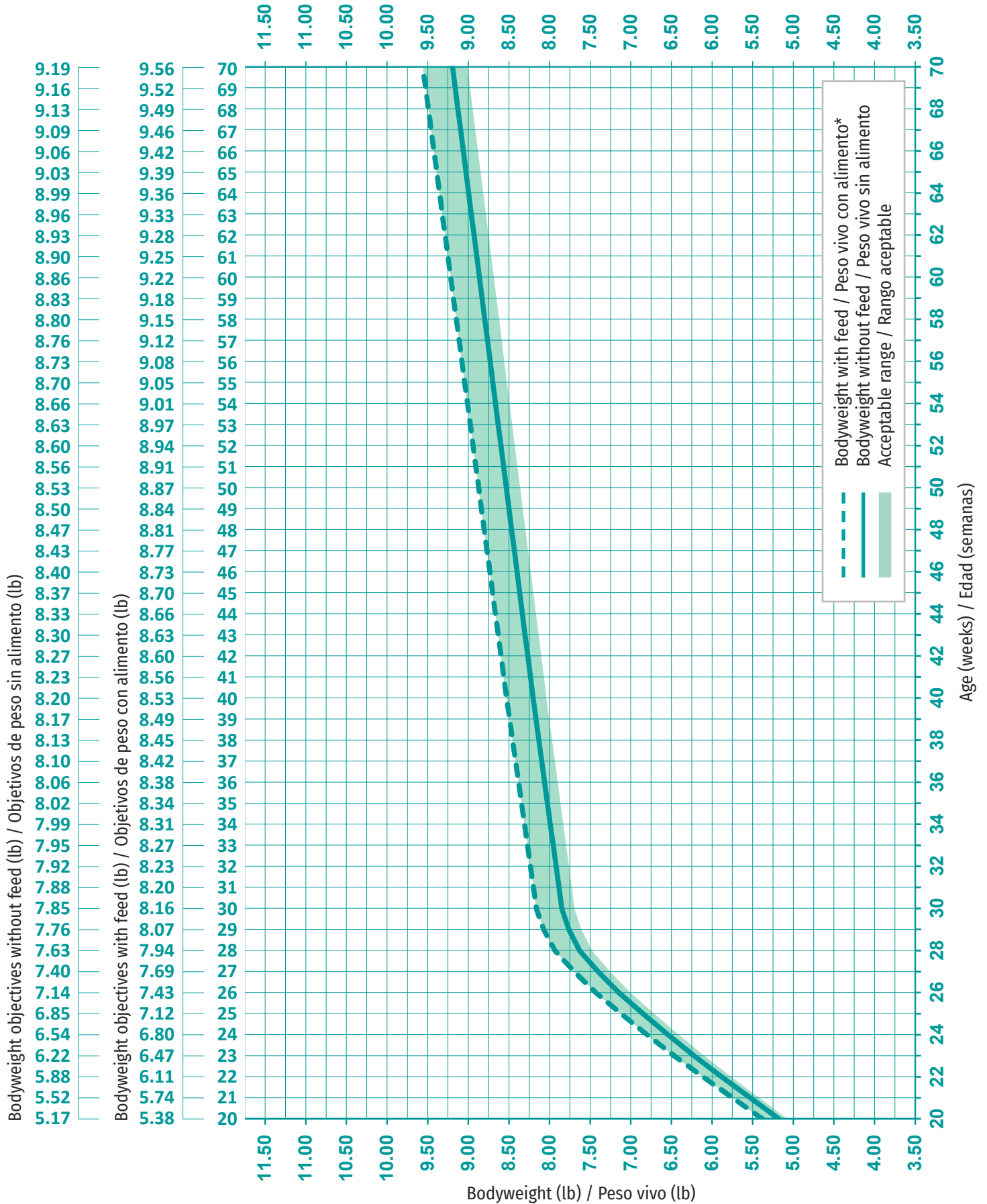
PARENT STOCK FEMALE DAILY GROWTH CURVE – REARING PERIOD
CURVA DE CRECIMIENTO DIARIO DE LA HEMBRA REPRODUCTORA – PERÍODO DE RECRÍA
0-5 WEEKS / SEMANAS



PARENT STOCK FEMALE GROWTH CURVE – REARING PERIOD
 CURVA DE CRECIMIENTO DE LA HEMBRA REPRODUCTORA – PERÍODO DE RECRÍA



PARENT STOCK FEMALE GROWTH OBJECTIVES – PRODUCTION PERIOD
 OBJETIVOS DE CRECIMIENTO DE LA HEMBRA REPRODUCTORA – PERÍODO DE PUESTA



* 4-6h after feeding / 4-6h después la alimentación

PARENT STOCK FEMALE PRODUCTION OBJECTIVES
OBJETIVOS DE PRODUCCIÓN DE LA HEMBRA REPRODUCTORA

Age Edad	Prod.	Total eggs Huevos totales				Hatching eggs (HE) *** Huevos incubables (HI) ***			Chicks Pollitos			
		% prod./ HW-HS *	% prod./ HH-HA **	Weekly Sem.	Cum.	Egg weight Peso del huevo (g)	% HE/TE % HI/HT	Weekly Sem.	Cum.	% hatch % nac. ****	Weekly Sem.	Cum.
25	1	5.4	5.4	0.4	0.4	49.0	53.9	0.2	0.2	75.0	0.2	0.2
26	2	23.3	23.2	1.6	2.0	51.0	71.3	1.2	1.4	78.4	0.9	1.1
27	3	53.5	53.1	3.7	5.7	53.5	87.3	3.2	4.6	80.3	2.6	3.7
28	4	75.2	74.5	5.2	10.9	55.8	90.8	4.7	9.3	82.9	3.9	7.6
29	5	84.0	83.1	5.8	16.8	57.0	93.5	5.4	14.8	84.9	4.6	12.2
30	6	87.1	86.0	6.0	22.8	58.3	95.5	5.7	20.5	86.5	5.0	17.2
31	7	88.1	86.7	6.1	28.8	59.6	96.4	5.9	26.4	87.7	5.1	22.3
32	8	87.8	86.2	6.0	34.9	60.3	97.3	5.9	32.3	88.9	5.2	27.5
33	9	87.0	85.3	6.0	40.8	61.1	97.4	5.8	38.1	89.6	5.2	32.7
34	10	86.3	84.3	5.9	46.7	61.8	97.2	5.7	43.8	90.3	5.2	37.9
35	11	85.5	83.4	5.8	52.6	62.6	97.3	5.7	49.5	90.5	5.1	43.1
36	12	84.7	82.5	5.8	58.4	63.3	97.3	5.6	55.1	90.8	5.1	48.2
37	13	84.0	81.5	5.7	64.1	63.8	97.4	5.6	60.7	90.7	5.0	53.2
38	14	83.2	80.5	5.6	69.7	64.3	97.2	5.5	66.1	90.6	5.0	58.2
39	15	82.2	79.4	5.6	75.3	64.8	97.2	5.4	71.5	90.0	4.9	63.0
40	16	81.0	78.1	5.5	80.7	65.3	97.1	5.3	76.8	89.4	4.8	67.8
41	17	80.0	77.0	5.4	86.1	65.6	97.1	5.2	82.1	88.9	4.6	72.4
42	18	79.0	75.8	5.3	91.4	65.9	97.0	5.2	87.2	88.3	4.5	77.0
43	19	78.0	74.7	5.2	96.7	66.1	97.0	5.1	92.3	87.5	4.4	81.4
44	20	77.0	73.6	5.1	101.8	66.2	96.9	5.0	97.3	86.9	4.3	85.8
45	21	76.0	72.4	5.1	106.9	66.3	96.9	4.9	102.2	86.1	4.2	90.0
46	22	75.0	71.3	5.0	111.9	66.4	96.8	4.8	107.0	85.4	4.1	94.1
47	23	74.0	70.1	4.9	116.8	66.5	96.8	4.8	111.8	84.7	4.0	98.1
48	24	72.8	68.8	4.8	121.6	66.6	96.7	4.7	116.4	83.6	3.9	102.0
49	25	71.7	67.7	4.7	126.3	66.7	96.7	4.6	121.0	82.6	3.8	105.8
50	26	70.7	66.5	4.7	131.0	66.8	96.6	4.5	125.5	81.5	3.7	109.5
51	27	69.6	65.4	4.6	135.6	66.9	96.6	4.4	129.9	80.5	3.6	113.0
52	28	68.6	64.2	4.5	140.1	67.0	96.6	4.3	134.3	79.5	3.5	116.5
53	29	67.5	63.1	4.4	144.5	67.0	96.5	4.3	138.6	78.7	3.4	119.8
54	30	66.4	62.0	4.3	148.8	67.1	96.5	4.2	142.7	77.5	3.2	123.1
55	31	65.4	60.8	4.3	153.1	67.1	96.4	4.1	146.8	76.7	3.1	126.2
56	32	64.1	59.5	4.2	157.2	67.2	96.4	4.0	150.9	75.7	3.0	129.3
57	33	63.0	58.4	4.1	161.3	67.2	96.3	3.9	154.8	75.0	3.0	132.2
58	34	61.9	57.2	4.0	165.3	67.3	96.3	3.9	158.6	74.1	2.9	135.1
59	35	60.8	56.1	3.9	169.2	67.3	96.2	3.8	162.4	73.1	2.8	137.8
60	36	59.7	54.9	3.8	173.1	67.4	96.2	3.7	166.1	72.3	2.7	140.5
61	37	58.6	53.8	3.8	176.9	67.4	96.1	3.6	169.7	71.4	2.6	143.1
62	38	57.5	52.6	3.7	180.5	67.5	96.1	3.5	173.3	70.6	2.5	145.6
63	39	56.4	51.4	3.6	184.1	67.5	96.0	3.5	176.7	69.6	2.4	148.0
64	40	55.1	50.1	3.5	187.6	67.6	96.1	3.4	180.1	68.5	2.3	150.3
65	41	53.8	48.9	3.4	191.1	67.6	96.0	3.3	183.4	67.3	2.2	152.5

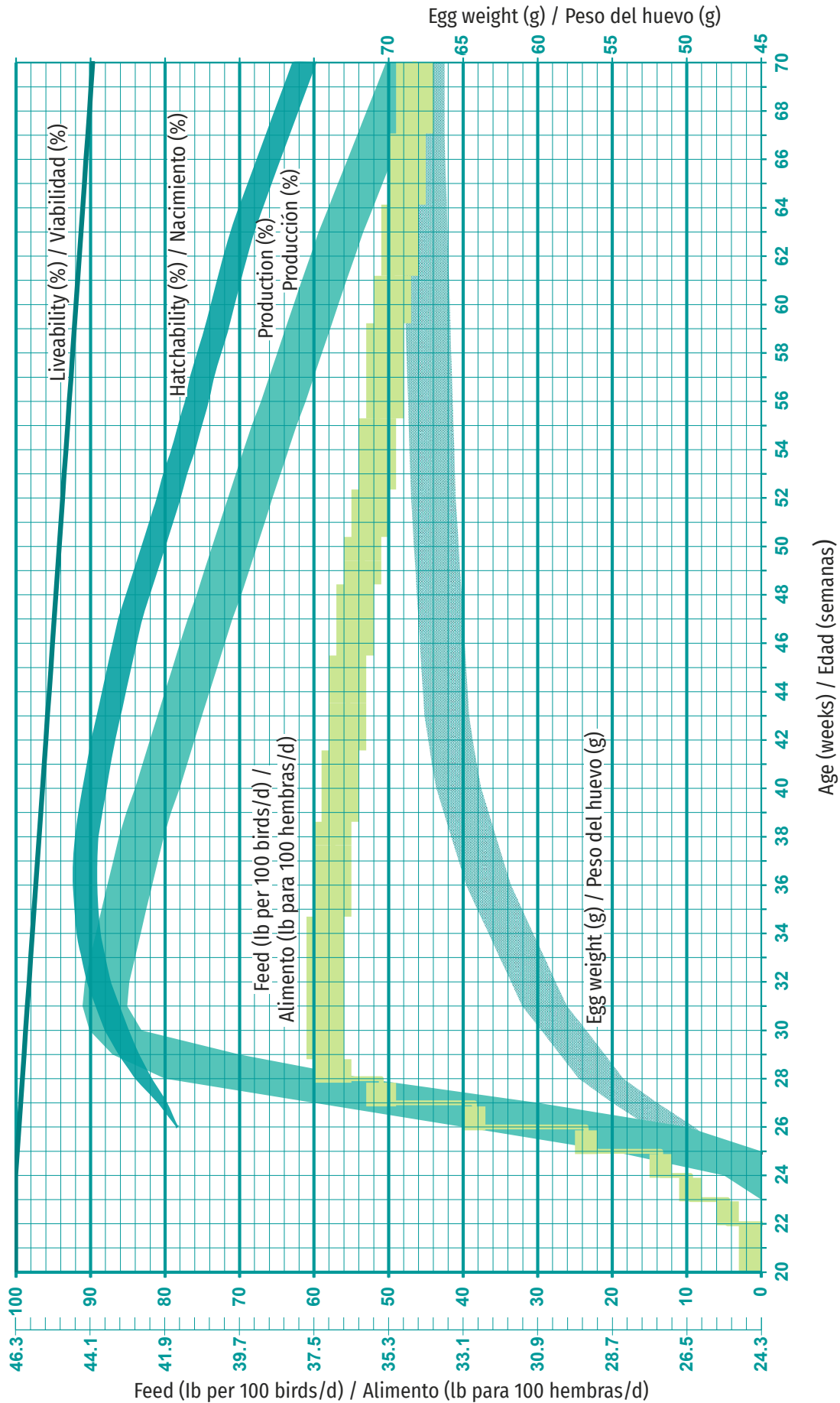
* HW: Hen per Week / HS: Hembra por Semana

** HH: Hen Housed / HA: Hembra Alojada

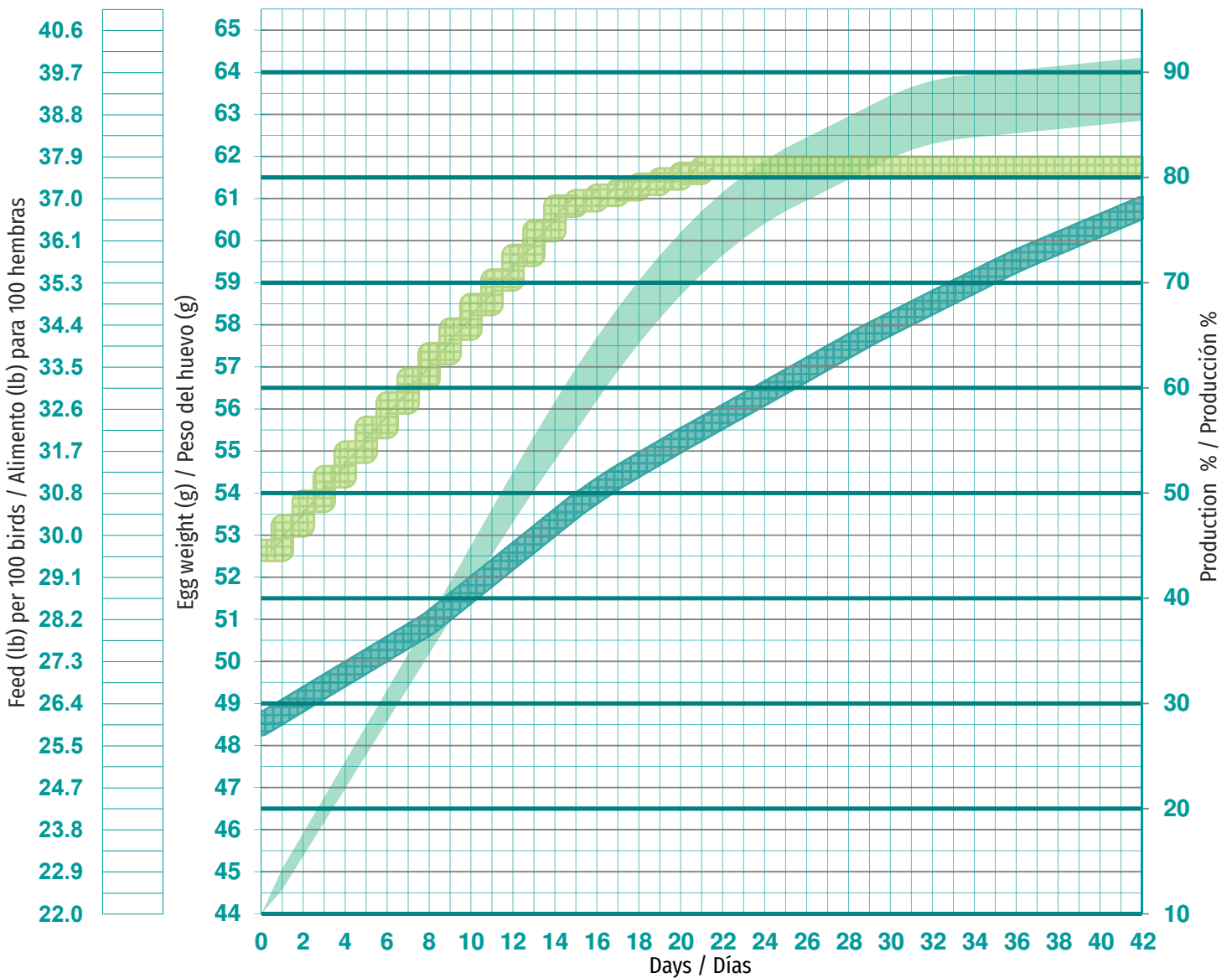
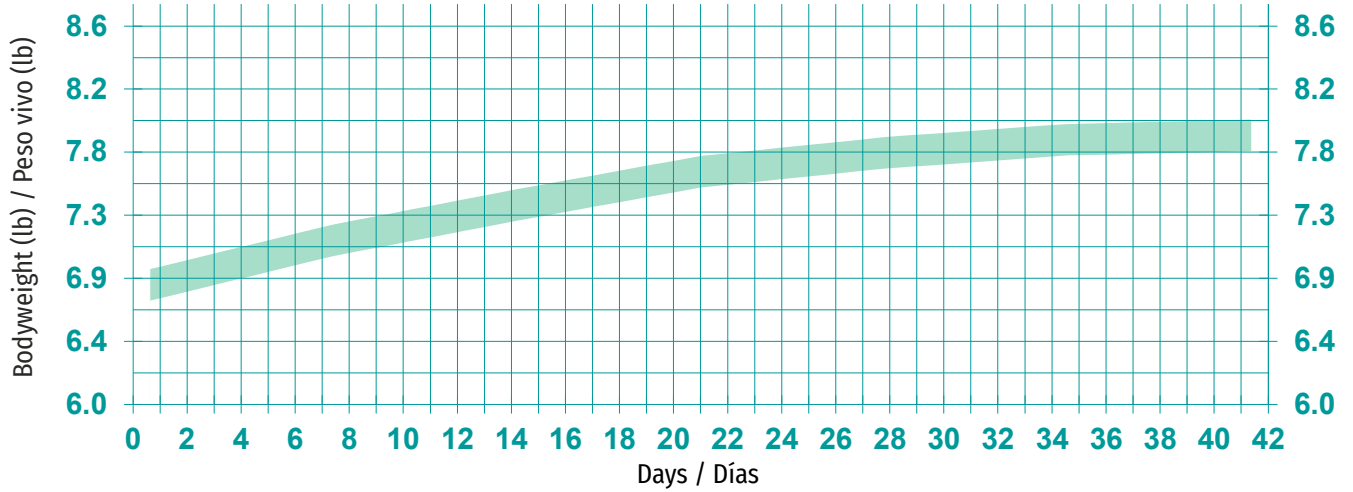
*** Hatching egg: minimum 50 g / Huevo incubable: mínimo 50 g

**** Hatchability: based on eggs stored for less than 7 days / Nacimiento: basado en una duración de almacenamiento de los huevos inferior a 7 días

PARENT STOCK FEMALE PERFORMANCES OBJECTIVES OBJETIVOS DE RESULTADOS DE LA HEMBRA REPRODUCTORA



PARENT STOCK FEMALE DAILY FEEDING AT ONSET OF PRODUCTION
ALIMENTACIÓN DIARIA DE LA HEMBRA REPRODUCTORA AL INICIO DE PUESTA



D0 corresponds to 10 % daily production
 D0 corresponde a 10 % de puesta diaria

- Production (%) / Producción (%)
- Feed (lb) per 100 birds / Alimento (lb) para 100 hembras
- Egg weight (g) / Peso del huevo (g)

PARENT STOCK FEMALE DAILY FEEDING AT ONSET OF PRODUCTION
ALIMENTACIÓN DIARIA DE LA HEMBRA REPRODUCTORA AL INICIO DE PUESTA

Floor / Piso

Production Producción	Feed / Alimento 68°F / 1250 Kcal/lb & 14.0% CP*		Feed / Alimento 77 - 82 °F / 1295 Kcal/lb & 14.5% CP	
	ME kcal - EM kcal / day / día	Ration lb per 100 - Ración lb para 100 / day / día	ME kcal - EM kcal / day / día	Ration lb per 100 - Ración lb para 100 / day / día
1 %	340	27,3	320	24,8
5 %	354	28,4	334	25,8
10 %	360	28,9	340	26,3
10-20 %		+min 0.44 lb/day / día		+min 0.44 lb/day / día
20 %	380	30,5	370	28,6
20 - 60 %		+min 0.77 lb/day / día		+min 0.66 lb/day / día
60 %	460	36,9	440	34,0
> 70 %	470 - 475 **	37.5 - 38.0**	450-460**	34.8 - 35.7**

* Typical increase in feed is 0.13 lb per 1 % increase in daily egg production. / El aumento típico de alimento es de 0.13 lb por cada 1 % de aumento en la producción diaria de huevos.

** The higher feed intake is for production > 85 % / El mayor consumo de alimento corresponde a una producción > 85 %.

Non - floor / Sistemas elevados

Production Producción	Feed / Alimento 68°F / 1250 Kcal/lb & 14.0% CP*		Feed / Alimento 77 - 82 °F / 1295 Kcal/lb & 14.5% CP	
	ME kcal - EM kcal / day / día	Ration lb per 100 - Ración lb para 100 / day / día	ME kcal - EM kcal / day / día	Ration lb per 100 - Ración lb para 100 / day / día
1 %	320	25,7	300	23,2
5 %	334	26,8	314	24,3
10 %	340	27,3	320	24,8
10-20 %		+min 0.44 lb/day / día		+min 0.44 lb/day / día
20 %	370	29,7	350	27,1
20 - 60 %		+min 0.66 lb/day / día		+min 0.55 lb/day / día
60 %	435	34,9	420	32,5
> 70 %	445 - 455 **	35.7 - 36.6*	425-435*	33.1 - 34.2*

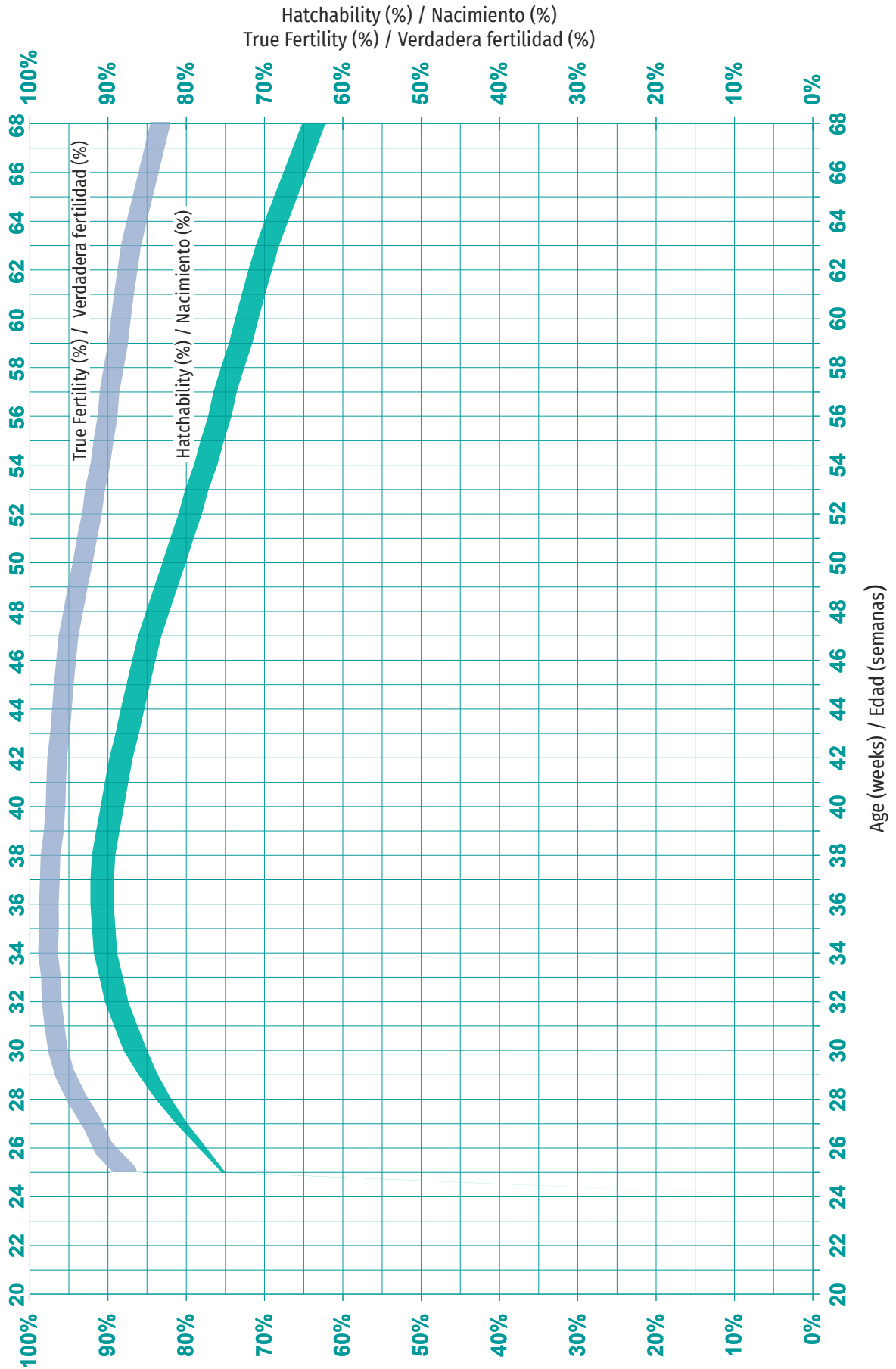
* Typical increase in feed is 0.13 lb per 1 % increase in daily egg production. / El aumento típico de alimento es de 0.13 lb por cada 1 % de aumento en la producción diaria de huevos.

** The higher feed intake is for production > 85 % / El mayor consumo de alimento corresponde a una producción > 85 %.

The feeding program above is given as an indication. The level of feed ration should be adjusted at any time according to the performance level, the birds environment and management conditions.

El programa de alimentación arriba mencionado es sólo una guía. La cantidad de ración debe ajustarse en todo momento de acuerdo con el rendimiento, condiciones ambientales y de manejo de las aves.

PARENT STOCK FEMALE HATCHABILITY AND FERTILITY PERFORMANCE OBJECTIVES
OBJETIVOS DE NACIMIENTO DE LA HEMBRA REPRODUCTORA



EMBRYONIC LOSS PÉRDIDAS EMBRIONARIAS

Weeks Semanas	True Fertility Verdadera fertilidad %	Embryonic loss % / Pérdidas embrionarias %					Hatch Of Fertile Nacimiento de huevos fértiles %	Hatch Of Set Nacimiento %
		Period of incubation / Período de incubación						
		0-4 days / días	5-10 days / días	11-18 days / días	19-21 days / días	Total 0-21 days / días		
25	87.6	5.5	0.9	0.8	5.4	12.6	85.6	75.0
26	90.6	5.4	0.9	0.8	5.2	12.2	86.5	78.4
27	92.0	5.9	0.9	0.7	4.1	11.7	87.3	80.3
28	93.9	5.6	0.8	0.6	4.0	11.0	88.2	82.9
29	95.5	5.4	0.7	0.5	4.0	10.6	88.9	84.9
30	96.4	5.0	0.4	0.3	4.2	9.9	89.7	86.5
31	96.8	4.7	0.4	0.3	3.7	9.1	90.6	87.7
32	97.2	4.2	0.4	0.3	3.4	8.3	91.5	88.9
33	97.3	3.8	0.4	0.3	3.1	7.7	92.1	89.6
34	97.7	3.7	0.4	0.3	2.9	7.4	92.5	90.3
35	97.5	3.6	0.3	0.3	2.8	7.0	92.8	90.5
36	97.6	3.4	0.3	0.2	2.9	6.8	93.0	90.8
37	97.4	3.5	0.3	0.2	2.7	6.7	93.1	90.7
38	97.4	3.6	0.3	0.2	2.7	6.8	93.0	90.6
39	96.9	3.5	0.3	0.2	2.9	6.9	92.9	90.0
40	96.7	3.7	0.3	0.3	3.0	7.3	92.5	89.4
41	96.6	3.9	0.3	0.3	3.2	7.7	92.0	88.9
42	96.5	4.1	0.4	0.3	3.3	8.2	91.5	88.3
43	96.1	4.4	0.4	0.3	3.5	8.6	91.0	87.5
44	95.9	4.6	0.4	0.3	3.7	9.1	90.6	86.9
45	95.6	4.8	0.4	0.4	3.8	9.5	90.1	86.1
46	95.4	5.1	0.5	0.4	3.9	9.9	89.6	85.4
47	95.0	5.3	0.5	0.4	4.1	10.4	89.1	84.7
48	94.4	5.6	0.5	0.4	4.2	10.8	88.6	83.6
49	93.9	5.8	0.6	0.5	4.3	11.3	88.0	82.6
50	93.2	6.0	0.6	0.5	4.6	11.7	87.5	81.5
51	92.7	5.9	0.6	0.5	5.1	12.1	86.9	80.5
52	92.1	6.2	0.6	0.5	5.3	12.6	86.3	79.5
53	91.7	6.4	0.6	0.5	5.5	13.0	85.8	78.7
54	91.0	6.5	0.6	0.5	5.9	13.5	85.2	77.5
55	90.6	6.8	0.6	0.5	6.0	13.9	84.7	76.7
56	90.1	6.9	0.6	0.5	6.4	14.3	84.1	75.7
57	89.8	6.8	0.6	0.5	6.8	14.8	83.6	75.0
58	89.3	7.1	0.6	0.5	7.1	15.2	83.0	74.1
59	88.7	7.3	0.6	0.5	7.2	15.7	82.4	73.1
60	88.4	7.5	0.6	0.5	7.5	16.1	81.8	72.3
61	88.0	7.7	0.8	0.5	7.6	16.5	81.2	71.4
62	87.5	7.8	0.8	0.5	7.9	17.0	80.6	70.6
63	87.1	8.0	0.8	0.7	7.9	17.4	80.0	69.6
64	86.4	8.1	0.8	0.7	8.2	17.9	79.3	68.5
65	85.6	8.3	0.8	0.7	8.6	18.3	78.6	67.3

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