



 **TETRA**
SELECTED FOR QUALITY

TETRA AMBER
LAYER PARENT STOCK
CHARTS AND GRAPHS

Performance Specifications of TETRA AMBER Parent Stock

Liveability	
0-20 weeks of age	96-98%
21-72 weeks of age	90-96%
Feed consumption	
0-20 weeks of age	7.5-8.1 kg
21-72 weeks of age	41.3-44.7 kg
Body weight	
Females at 20 weeks of age	1.5-1.7 kg
Males at 20 weeks of age	2.1-2.3 kg
Females at 72 weeks of age	2.0-2.1 kg
Males at 72 weeks of age	2.8-3.0 kg
Maturity	
Age at 50% production	21-22 weeks
Peak production	26-33 weeks
Egg production per hen housed	
Until 72 weeks of age	285-297 pcs
Hatching egg production per hen housed	
Until 72 weeks of age	260-271 pcs
Hatchability (average)	81-84%
Saleable chicks per hen housed	
Until 72 weeks of age	104-108 pcs

Space and Equipment Requirements for TETRA AMBER Parent Stock

Age (weeks)		0-6	7-17	over 17
Density (bird/m ²)	Floor system	20-24	10-12	7
	Aviary system	26-28	26-28	14-16
	Cage system	80-50	40-25	10-13
Drinking space	Birds/nipple	10-12	8	4-6
	Birds/drinker (ø 46 cm)	100-130		
Feeding space	Through or circular feeder (space/bird)	4 cm plus extra feeding surface in the first 4 days	7 cm	10 cm

* Place chick-paper alongside the drinkers' lines or cover the cage floor and strew feed on it in a thin layer. Check the availability of feed and water.

Temperature Requirements for TETRA AMBER Parent Stock

Age (days)	Temperature (°C) at Chicks' Level
0-2	34-35
3-4	32-33
5-7	32
8-14	30
15-21	27
22-28	24
29-35	22
35-	18-20

Lighting Programme for TETRA AMBER Parent Stock

Age (weeks)	Hours of Light	Light intensity (lux)
0-2 days	23	20-30
1	22	20-30
2	16	10 (-20)
3	15	5 (-10)
4	14	5 (-10)
5	13	5 (-10)
6	12	5 (-10)
7	11	5 (-10)
8	10	5 (-10)
9	10	5 (-10)
10	10	5 (-10)
11	10	5 (-10)
12	10	5 (-10)
13	10	5 (-10)
14	10	5 (-10)
15	10	5 (-10)
16	10	5 (-10)
17	10	5 (-10)
18	11	10 (-20)
19	12	10 (-20)
20	13	10 (-20)
21	14	10 (-20)
22	14	10 (-20)
23	14	10 (-20)
24	14	10 (-20)
25-throughout production	14 (-16)	10 (-20)

Weight Development and Feed Intake of TETRA AMBER Parent Stock

Age (weeks)	Parent Stock - FEMALES		Parent Stock - MALES		Feed Consumption		Feed Type
	Body Weight (g)		Body Weight (g)		Average (g/day)	Cumulative (kg)	
	Average	Range	Average	Range			
1	70	67-73	70	67-73	12	0.1	Starter I
2	130	125-135	150	144-156	20	0.2	
3	195	187-203	255	245-265	25	0.4	
4	265	254-276	355	341-369	30	0.6	Starter II
5	335	322-348	455	437-473	35	0.9	
6	420	403-437	555	533-577	40	1.1	
7	510	490-530	665	638-692	44	1.4	
8	600	576-624	790	758-822	48	1.8	
9	695	667-723	910	874-946	51	2.1	Grower
10	785	754-816	1030	989-1071	55	2.5	
11	875	840-910	1150	1104-1196	59	2.9	
12	970	931-1009	1275	1224-1326	63	3.4	
13	1060	1018-1102	1395	1339-1451	67	3.8	
14	1140	1094-1186	1515	1454-1576	70	4.3	
15	1225	1176-1274	1635	1570-1700	74	4.8	
16	1305	1253-1357	1745	1675-1815	77	5.4	
17	1385	1330-1440	1860	1786-1934	80	5.9	Pre-layer upto 5% prod.
18	1470	1411-1529	1970	1891-2049	83	6.5	
19	1550	1488-1612	2070	1987-2153	86	7.1	
20	1610	1546-1674	2170	2083-2257	90	7.8	Breeder I from 5% prod.
21	1675	1608-1742	2260	2170-2350	95	0.7	
22	1725	1656-1794	2345	2251-2439	100	1.4	
23	1775	1704-1846	2415	2318-2512	105	2.1	
24	1825	1752-1898	2485	2386-2584	110	2.9	
25	1870	1795-1945	2550	2448-2652	112	3.7	
30	1915	1838-1992	2625	2520-2730	113	7.6	
35	1945	1867-2023	2675	2568-2782	113	11.6	
40	1970	1891-2049	2725	2616-2834	113	15.5	Breeder II below 80% prod.
45	1980	1901-2059	2780	2669-2891	113	19.5	
50	2000	1920-2080	2805	2693-2917	112	23.4	
55	2010	1930-2090	2830	2717-2943	112	27.3	
60	2020	1939-2101	2855	2741-2969	112	31.2	
65	2030	1949-2111	2870	2755-2985	112	35.1	
70	2040	1958-2122	2880	2765-2995	112	39.0	
72	2040	1958-2122	2880	2765-2995	112	43.0	

* Always check average body weight of the flock before switching to the next feed type. If body weight is lower than stated, do not move on from one diet to another. Control the body weight frequently, until birds reach their target weight. Feed amount must be adjusted to production intensity and uniformity. Check body weight weekly around peak production, increase daily feed amount as production intensity rises.

Nutritional Recommendation for TETRA AMBER Parent Stock (Growing Period)

Feed Type		Starter I	Starter II	Grower	Pre-layer
Age (weeks)		1-3	4-8	9-17	18-20
ENERGY & NUTRIENT					
Met. energy	MJ/kg	12.40	12.00	11.50	11.70
Met. energy	kcal/kg	2950	2870	2750	2800
Crude protein	%	20.00	18.00	15.50	17.50
AMINO ACIDS, TOTAL					
Lysine	%	1.20	1.00	0.75	0.85
Methionine	%	0.48	0.42	0.35	0.40
Methionine + cysteine	%	0.84	0.74	0.61	0.70
Threonine	%	0.75	0.65	0.50	0.60
Valine	%	0.87	0.75	0.60	0.65
Arginine	%	1.22	0.90	0.77	0.82
Tryptophan	%	0.24	0.20	0.17	0.18
Isoleucine	%	0.83	0.66	0.58	0.66
AMINO ACIDS, DIGESTIBLE					
Lysine	%	1.00	0.82	0.60	0.70
Methionine	%	0.40	0.35	0.30	0.35
Methionine + cysteine	%	0.70	0.60	0.50	0.58
Threonine	%	0.63	0.55	0.42	0.50
Valine	%	0.76	0.65	0.50	0.54
Arginine	%	1.02	0.84	0.63	0.68
Tryptophan	%	0.20	0.18	0.14	0.15
Isoleucine	%	0.69	0.62	0.49	0.52
Linoleic acid	%	1.50	1.25	1.00	1.50
Calcium	%	1.00	1.00	1.00	2.50
Phosphorus, available	%	0.48	0.44	0.38	0.44
Sodium	%	0.16-0.18	0.16-0.17	0.16-0.17	0.16-0.17
Chloride	%	0.15-0.30	0.15-0.30	0.15-0.30	0.15-0.30

Nutritional Recommendation for TETRA AMBER Parent Stock (Production Period)

Feed Type		Breeder I from 5% Production			Breeder II below 80% Production		
		110 g	115 g	120 g	110 g	115 g	120 g
ENERGY & NUTRIENT							
Met. energy	MJ/kg	11.70	11.50	11.25	11.60	11.40	11.20
Met. energy	kcal/kg	2800	2750	2700	2780	2720	2680
Crude protein	%	18.00	17.00	16.00	17.00	16.00	15.00
AMINO ACIDS, TOTAL							
Lysine	%	0.87	0.82	0.78	0.83	0.79	0.75
Methionine	%	0.43	0.41	0.39	0.42	0.39	0.37
Methionine + cysteine	%	0.75	0.71	0.68	0.74	0.70	0.66
Threonine	%	0.60	0.57	0.54	0.58	0.55	0.53
Valine	%	0.70	0.66	0.63	0.67	0.63	0.60
Arginine	%	0.88	0.83	0.79	0.84	0.79	0.75
Tryptophan	%	0.18	0.17	0.16	0.17	0.16	0.15
Isoleucine	%	0.65	0.62	0.60	0.62	0.59	0.57
AMINO ACIDS, DIGESTIBLE							
Lysine	%	0.71	0.67	0.64	0.69	0.65	0.62
Methionine	%	0.38	0.36	0.34	0.36	0.34	0.32
Methionine + cysteine	%	0.62	0.59	0.56	0.61	0.58	0.55
Threonine	%	0.49	0.46	0.44	0.48	0.46	0.43
Valine	%	0.57	0.54	0.51	0.55	0.52	0.50
Arginine	%	0.72	0.68	0.64	0.68	0.64	0.61
Tryptophan	%	0.15	0.14	0.13	0.14	0.13	0.12
Isoleucine	%	0.54	0.51	0.49	0.51	0.48	0.47
Linoleic acid	%	1.90	1.80	1.70	1.80	1.70	1.60
Calcium	%	3.90	3.75	3.60	4.10	3.85	3.70
Phosphorus, available	%	0.42	0.39	0.37	0.40	0.38	0.36
Sodium	%	0.16-0.18	0.15-0.17	0.14-0.16	0.16-0.18	0.15-0.17	0.14-0.16
Chloride	%	0.15-0.30	0.15-0.30	0.15-0.30	0.15-0.30	0.15-0.40	0.15-0.50

* When changing rations production level is more important than the actual age of the flock. In the case of higher feed intake, a moderate-intensity diet is needed, while with lower feed consumption, the diet should be more concentrated.

Vitamins and Micronutrient Recommendation for TETRA AMBER Parent Stock

FEED TYPE		Starter I-II	Grower	Pre-layer / Breeder I-II
ADDED VITAMINS				
Vitamin A	UI/kg	10000	10000	10000
Vitamin D ₃	UI/kg	3200	3200	3200
Vitamin E	mg/kg	50	30	60
Vitamin K ₃	mg/kg	3	2	5
Vitamin B ₁	mg/kg	3	2	4
Vitamin B ₂	mg/kg	8	6	10
Vitamin B ₆	mg/kg	5	4	5
Vitamin B ₁₂	mcg/kg	20	15	30
Pantothenic acid	mg/kg	12	8	15
Niacin	mg/kg	40	30	50
Biotin	mcg/kg	200	150	200
Folic acid	mg/kg	2	1	2
Choline	mg/kg	300	300	300
Vitamin C*	mg/kg	-	-	50-200
ADDED TRACE ELEMENTS				
Iron	mg/kg		50	
Manganese	mg/kg		100	
Copper	mg/kg		8	
Zinc	mg/kg		80	
Iodine	mg/kg		1	
Selenium	mg/kg		0.3	

* Vitamin C is recommended to prevent stress.

Supply of Fine and Coarse Limestone for TETRA AMBER Parent Stock

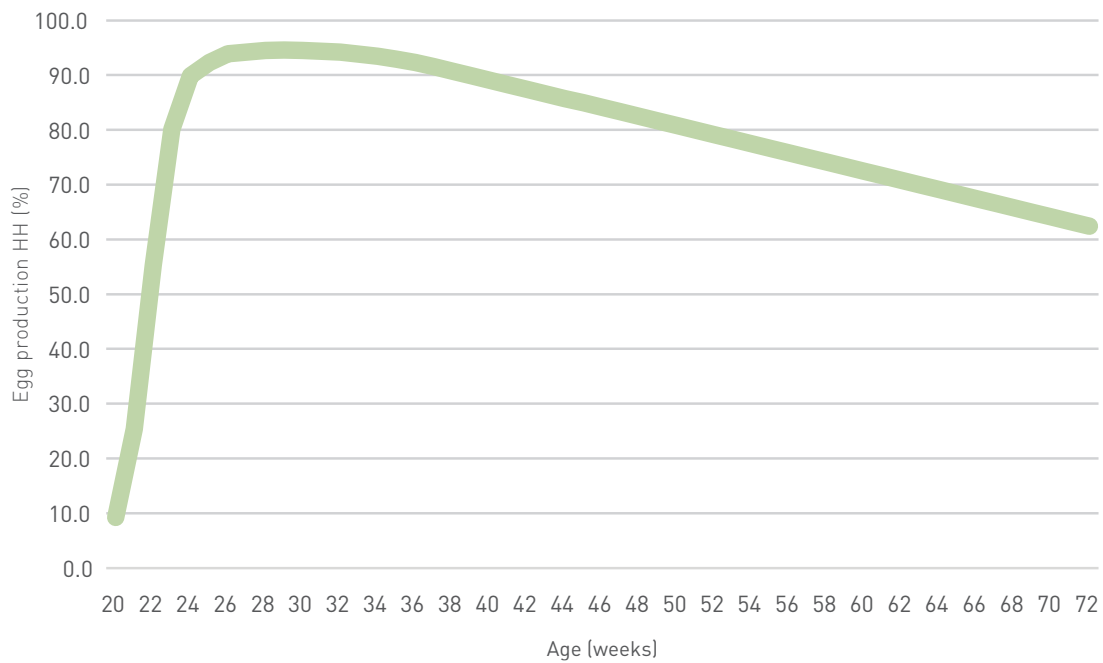
Limestone	Fine	Coarse
	(<0.5 mm)	(1.5-3.5 mm)
Breeder I	35%	65%
Breeder II	30%	70%

* Recommended ratio within diet.

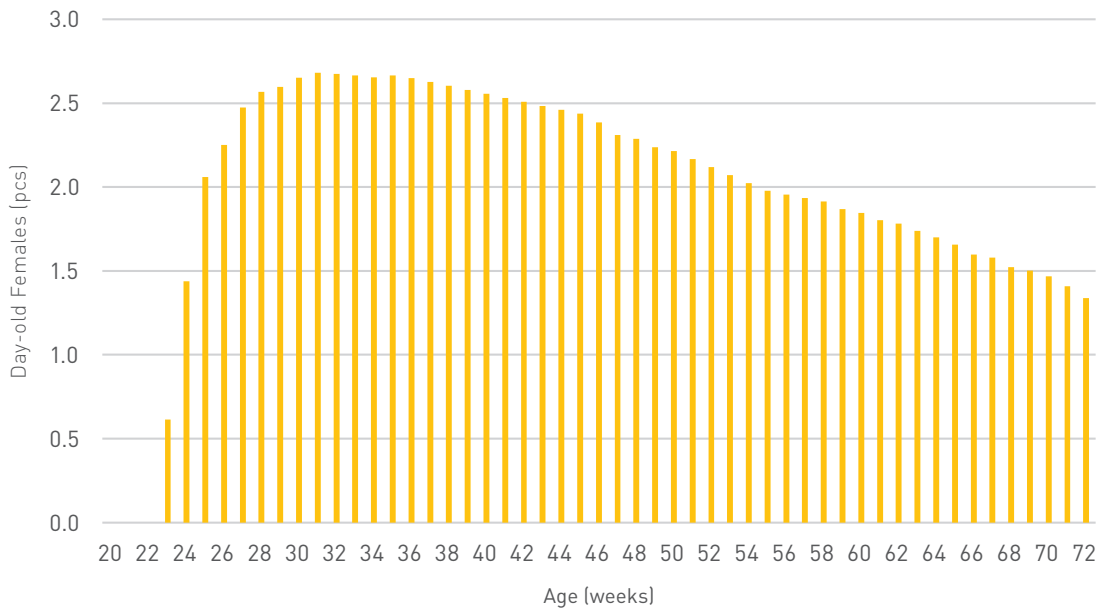
Production Targets for TETRA AMBER Parent Stock

Age (weeks)	Egg Production		Eggs		Hatching Eggs			Hatch		Day-old Females	
	Hen Housed	Hen Day	Weekly	Cumulative	Weekly		Cumulative	% of all chicks	% of saleable females	Weekly	Cumulative
	%	%	pcs	pcs	%	pcs	pcs			pcs	pcs
20	9.3	9.3	0.7	0.7							
21	25.4	25.5	1.8	2.4							
22	55.3	55.5	3.9	6.3							
23	80.2	80.5	5.6	11.9	30.0	1.7	1.7	76.0	36.5	0.6	0.6
24	89.9	90.5	6.3	18.2	61.0	3.8	5.5	78.0	37.4	1.4	2.1
25	92.4	93.1	6.5	24.7	83.0	5.4	10.9	80.0	38.4	2.1	4.1
26	93.9	94.9	6.6	31.3	87.0	5.7	16.6	82.0	39.4	2.3	6.4
27	94.2	95.3	6.6	37.8	93.0	6.1	22.7	84.0	40.3	2.5	8.8
28	94.5	95.8	6.6	44.5	94.0	6.2	29.0	86.0	41.3	2.6	11.4
29	94.6	96.0	6.6	51.1	95.0	6.3	35.3	86.0	41.3	2.6	14.0
30	94.5	96.1	6.6	57.7	96.0	6.4	41.6	87.0	41.8	2.7	16.7
31	94.4	96.1	6.6	64.3	96.0	6.3	48.0	88.0	42.2	2.7	19.3
32	94.2	96.1	6.6	70.9	96.0	6.3	54.3	88.0	42.2	2.7	22.0
33	93.9	95.9	6.6	77.5	96.0	6.3	60.6	88.0	42.2	2.7	24.7
34	93.5	95.6	6.5	84.0	96.0	6.3	66.9	88.0	42.2	2.7	27.3
35	93.0	95.3	6.5	90.5	97.0	6.3	73.2	88.0	42.2	2.7	30.0
36	92.4	94.8	6.5	97.0	97.0	6.3	79.5	88.0	42.2	2.6	32.6
37	91.6	94.2	6.4	103.4	97.0	6.2	85.7	88.0	42.2	2.6	35.3
38	90.8	93.5	6.4	109.8	97.0	6.2	91.9	88.0	42.2	2.6	37.9
39	90.0	92.8	6.3	116.1	97.0	6.1	98.0	88.0	42.2	2.6	40.5
40	89.1	92.1	6.2	122.3	97.0	6.1	104.0	88.0	42.2	2.6	43.0
41	88.3	91.4	6.2	128.5	97.0	6.0	110.0	88.0	42.2	2.5	45.5
42	87.5	90.7	6.1	134.6	97.0	5.9	115.9	88.0	42.2	2.5	48.1
43	86.6	89.9	6.1	140.7	97.0	5.9	121.8	88.0	42.2	2.5	50.5
44	85.8	89.2	6.0	146.7	97.0	5.8	127.7	88.0	42.2	2.5	53.0
45	85.0	88.5	5.9	152.6	97.0	5.8	133.4	88.0	42.2	2.4	55.4
46	84.1	87.8	5.9	158.5	97.0	5.7	139.1	87.0	41.8	2.4	57.8
47	83.3	87.1	5.8	164.4	96.0	5.6	144.7	86.0	41.3	2.3	60.1
48	82.5	86.3	5.8	170.1	96.0	5.5	150.3	86.0	41.3	2.3	62.4
49	81.6	85.6	5.7	175.8	96.0	5.5	155.8	85.0	40.8	2.2	64.7
50	80.8	84.9	5.7	181.5	96.0	5.4	161.2	85.0	40.8	2.2	66.9
51	80.0	84.1	5.6	187.1	96.0	5.4	166.6	84.0	40.3	2.2	69.0
52	79.1	83.4	5.5	192.6	96.0	5.3	171.9	83.0	39.8	2.1	71.2
53	78.3	82.7	5.5	198.1	96.0	5.3	177.2	82.0	39.4	2.1	73.2
54	77.5	81.9	5.4	203.5	96.0	5.2	182.4	81.0	38.9	2.0	75.3
55	76.6	81.2	5.4	208.9	96.0	5.2	187.5	80.0	38.4	2.0	77.2
56	75.8	80.4	5.3	214.2	96.0	5.1	192.6	80.0	38.4	2.0	79.2
57	75.0	79.7	5.2	219.5	96.0	5.0	197.6	80.0	38.4	1.9	81.1
58	74.2	79.0	5.2	224.7	96.0	5.0	202.6	80.0	38.4	1.9	83.0
59	73.3	78.2	5.1	229.8	96.0	4.9	207.6	79.0	37.9	1.9	84.9
60	72.5	77.4	5.1	234.9	96.0	4.9	212.4	79.0	37.9	1.8	86.8
61	71.7	76.7	5.0	239.9	96.0	4.8	217.2	78.0	37.4	1.8	88.6
62	70.8	75.9	5.0	244.8	96.0	4.8	222.0	78.0	37.4	1.8	90.3
63	70.0	75.2	4.9	249.7	96.0	4.7	226.7	77.0	37.0	1.7	92.1
64	69.2	74.4	4.8	254.6	95.0	4.6	231.3	77.0	37.0	1.7	93.8
65	68.3	73.6	4.8	259.4	95.0	4.5	235.8	76.0	36.5	1.7	95.4
66	67.5	72.9	4.7	264.1	94.0	4.4	240.3	75.0	36.0	1.6	97.0
67	66.7	72.1	4.7	268.7	94.0	4.4	244.7	75.0	36.0	1.6	98.6
68	65.8	71.3	4.6	273.4	93.0	4.3	249.0	74.0	35.5	1.5	100.1
69	65.0	70.5	4.6	277.9	93.0	4.2	253.2	74.0	35.5	1.5	101.6
70	64.2	69.7	4.5	282.4	92.0	4.1	257.3	74.0	35.5	1.5	103.1
71	63.3	69.0	4.4	286.8	92.0	4.1	261.4	72.0	34.6	1.4	104.5
72	62.5	68.2	4.4	291.2	91.0	4.0	265.4	70.0	33.6	1.3	105.9

Production Targets for TETRA AMBER Parent Stock



Day-old Females from TETRA AMBER Parent Stock



The content of this Management Guide is accurate and reliable at the time of publication. However Bábolna TETRA Ltd. does not accept responsibility for any errors, omissions or inaccuracies of the information contained herein. The information contained in this Guide is to be used only as a guide to assist with poultry management. It cannot cover all unforeseen circumstances related to local environmental and disease conditions. If further assistance is required, please do not hesitate to contact our sales advisors for more expert guidance. In no event, Bábolna TETRA Ltd. is liable for any damages arising out of or in connection with the use of the information and suggestions included in this guide. All rights reserved. This Management Guide or any portion thereof may not be reproduced or used in any manner whatsoever without the express written permission of Bábolna TETRA Ltd.

BÁBOLNA TETRA Ltd.

2943 Bábolna, Radnóti M. u. 16., Hungary

Tel.: +36 95 345 008

E-mail: info@babolnatetra.com

www.babolnatetra.com

**TETRA AMBER LAYER PARENT STOCK
2024**