



 **TETRA**
SELECTED FOR QUALITY

TETRA TINT
LAYER PARENT STOCK
CHARTS AND GRAPHS

Performance Specifications of TETRA TINT Parent Stock

Liveability	
0-20 weeks of age	96-98%
21-72 weeks of age	90-96%
Feed consumption	
0-20 weeks of age	7.4-8.0 kg
21-72 weeks of age	41.1-44.5 kg
Body weight	
Females at 20 weeks of age	1.5-1.6 kg
Males at 20 weeks of age	2.1-2.2 kg
Females at 72 weeks of age	1.7-1.9 kg
Males at 72 weeks of age	2.7-3.0 kg
Maturity	
Age at 50% production	21-22 weeks
Peak production	26-33 weeks
Egg production per hen housed	
Until 72 weeks of age	295-307 pcs
Hatching egg production per hen housed	
Until 72 weeks of age	270-281 pcs
Hatchability (average)	80-84%
Saleable chicks per hen housed	
Until 72 weeks of age	107-111 pcs

Space and Equipment Requirements for TETRA TINT 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 TINT 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 TINT 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 TINT Parent Stock

Age (weeks)	Parent Stock - FEMALES		Parent Stock - MALES		Feed Consumption		Feed Type
	Body Weight (g)		Body Weight (g)				
	Average	Range	Average	Range	Average (g/day)	Cumulative (kg)	
1	65	62-68	70	67-73	12	0.1	Starter I
2	115	110-120	150	144-156	18	0.2	
3	185	178-192	250	240-260	23	0.4	
4	260	250-270	350	336-364	28	0.6	Starter II
5	340	326-354	450	432-468	33	0.8	
6	430	413-447	550	528-572	38	1.1	
7	530	509-551	660	634-686	42	1.4	
8	625	600-650	780	749-811	46	1.7	
9	720	691-749	900	864-936	51	2.0	Grower
10	810	778-842	1020	979-1061	55	2.4	
11	900	864-936	1140	1094-1186	59	2.8	
12	985	946-1024	1260	1210-1310	63	3.3	
13	1060	1018-1102	1380	1325-1435	67	3.7	
14	1130	1085-1175	1500	1440-1560	70	4.2	
15	1200	1152-1248	1620	1555-1685	74	4.8	
16	1270	1219-1321	1730	1661-1799	77	5.3	
17	1335	1282-1388	1840	1766-1914	80	5.9	
18	1415	1358-1472	1950	1872-2028	83	6.4	Pre-layer upto 5% prod.
19	1475	1416-1534	2050	1968-2132	86	7.0	
20	1540	1478-1602	2150	2064-2236	92	7.7	
21	1590	1526-1654	2240	2150-2330	102	0.7	Breeder I from 5% prod.
22	1635	1570-1700	2320	2227-2413	107	1.5	
23	1665	1598-1732	2390	2294-2486	109	2.2	
24	1695	1627-1763	2460	2362-2558	111	3.0	
25	1715	1646-1784	2525	2424-2626	113	3.8	
30	1740	1670-1810	2600	2496-2704	113	7.7	
35	1765	1694-1836	2650	2544-2756	113	11.7	
40	1780	1709-1851	2700	2592-2808	112	15.6	
45	1790	1718-1862	2750	2640-2860	112	19.5	
50	1795	1723-1867	2775	2664-2886	112	23.5	Breeder II below 80% prod.
55	1800	1728-1872	2800	2688-2912	111	27.3	
60	1805	1733-1877	2825	2712-2938	111	31.2	
65	1810	1738-1882	2840	2726-2954	111	35.1	
70	1815	1742-1888	2850	2736-2964	110	39.0	
72	1815	1742-1888	2850	2736-2964	110	42.8	

* 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 TINT 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 TINT Parent Stock (Production Period)

Feed Type		Breeder I from 5% Production			Breeder II below 80% Production		
Daily feed consumption		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 TINT 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.

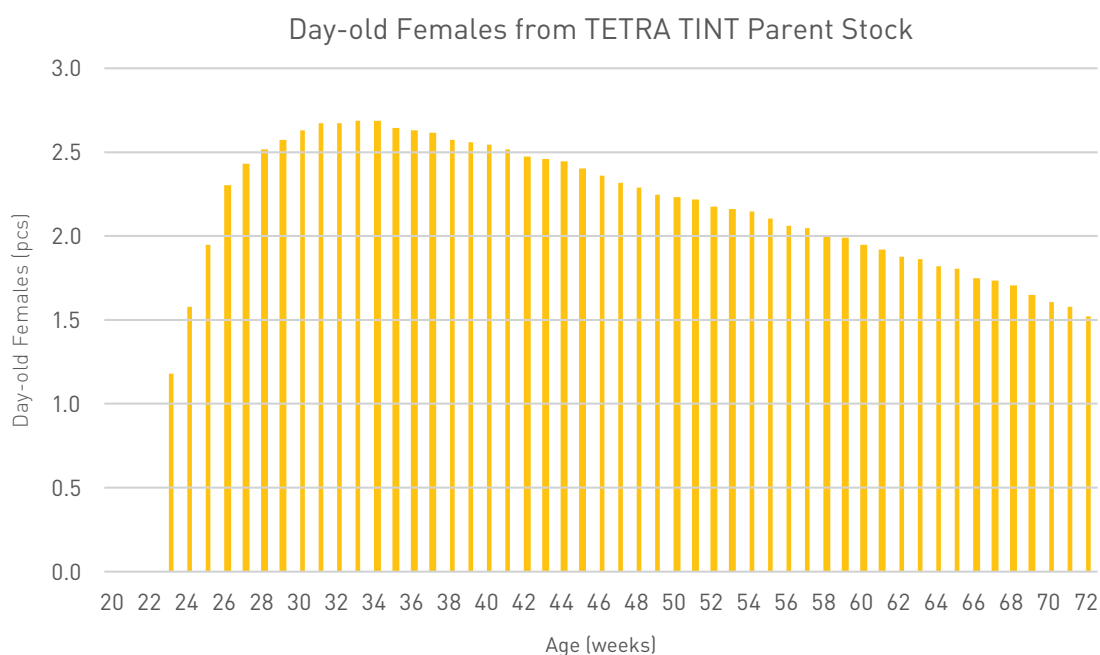
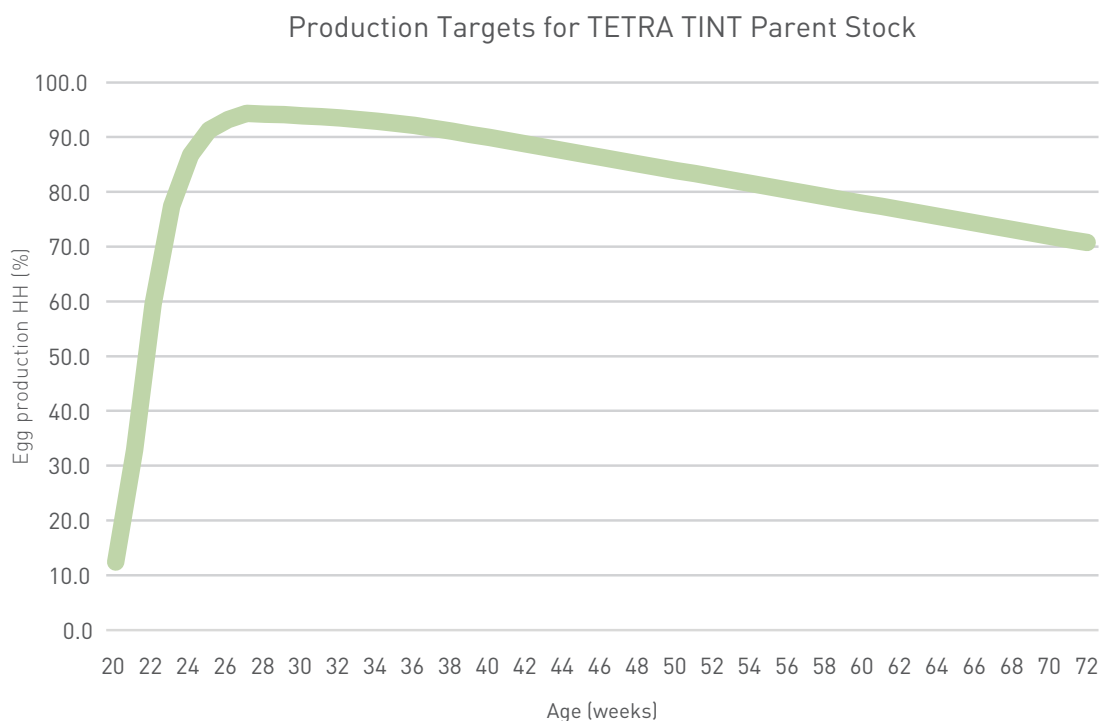
Supply of Fine and Coarse Limestone for TETRA TINT Parent Stock

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 TINT Parent Stock

Age (weeks)	Egg Production		Eggs		Hatching Eggs			Hatch		Day-old Females	
	Hen Housed	Hen Day	Weekly	Cumu- lative	Weekly		Cumu- lative	% of all chicks	% of saleable females	Weekly	Cumu- lative
	%	%	pcs	pcs	%	pcs	pcs			pcs	pcs
20	12.0	12.0	0.8	0.8							
21	32.5	32.6	2.3	3.1							
22	59.2	59.4	4.1	7.3							
23	77.1	77.5	5.4	12.7	60.0	3.2	3.2	76.0	36.5	1.2	1.2
24	86.5	87.0	6.1	18.7	70.0	4.2	7.5	78.0	37.4	1.6	2.8
25	91.0	91.7	6.4	25.1	80.0	5.1	12.6	80.0	38.4	2.0	4.7
26	92.9	93.8	6.5	31.6	90.0	5.9	18.4	82.0	39.4	2.3	7.0
27	94.0	95.1	6.6	38.2	92.0	6.1	24.5	84.0	40.3	2.4	9.5
28	93.9	95.1	6.6	44.7	94.0	6.2	30.7	85.0	40.8	2.5	12.0
29	93.8	95.2	6.6	51.3	95.0	6.2	36.9	86.0	41.3	2.6	14.6
30	93.6	95.1	6.6	57.9	96.0	6.3	43.2	87.0	41.8	2.6	17.2
31	93.4	95.1	6.5	64.4	97.0	6.3	49.5	88.0	42.2	2.7	19.9
32	93.2	95.0	6.5	70.9	97.0	6.3	55.9	88.0	42.2	2.7	22.5
33	92.9	94.9	6.5	77.4	97.0	6.3	62.2	89.0	42.7	2.7	25.2
34	92.6	94.7	6.5	83.9	97.0	6.3	68.4	89.0	42.7	2.7	27.9
35	92.2	94.5	6.5	90.4	97.0	6.3	74.7	88.0	42.2	2.6	30.6
36	91.8	94.2	6.4	96.8	97.0	6.2	80.9	88.0	42.2	2.6	33.2
37	91.3	93.9	6.4	103.2	97.0	6.2	87.1	88.0	42.2	2.6	35.8
38	90.8	93.5	6.4	109.5	97.0	6.2	93.3	87.0	41.8	2.6	38.4
39	90.2	93.0	6.3	115.8	97.0	6.1	99.4	87.0	41.8	2.6	41.0
40	89.6	92.6	6.3	122.1	97.0	6.1	105.5	87.0	41.8	2.5	43.5
41	89.0	92.1	6.2	128.3	97.0	6.0	111.6	87.0	41.8	2.5	46.0
42	88.4	91.6	6.2	134.5	97.0	6.0	117.6	86.0	41.3	2.5	48.5
43	87.8	91.2	6.1	140.7	97.0	6.0	123.5	86.0	41.3	2.5	51.0
44	87.2	90.7	6.1	146.8	97.0	5.9	129.4	86.0	41.3	2.4	53.4
45	86.6	90.2	6.1	152.8	97.0	5.9	135.3	85.0	40.8	2.4	55.8
46	86.0	89.7	6.0	158.9	96.0	5.8	141.1	85.0	40.8	2.4	58.2
47	85.4	89.3	6.0	164.8	96.0	5.7	146.8	84.0	40.3	2.3	60.5
48	84.8	88.8	5.9	170.8	96.0	5.7	152.5	84.0	40.3	2.3	62.8
49	84.2	88.3	5.9	176.7	96.0	5.7	158.2	83.0	39.8	2.3	65.0
50	83.6	87.8	5.9	182.5	96.0	5.6	163.8	83.0	39.8	2.2	67.3
51	83.0	87.3	5.8	188.3	96.0	5.6	169.4	83.0	39.8	2.2	69.5
52	82.4	86.8	5.8	194.1	96.0	5.5	174.9	82.0	39.4	2.2	71.7
53	81.8	86.4	5.7	199.8	96.0	5.5	180.4	82.0	39.4	2.2	73.8
54	81.2	85.9	5.7	205.5	96.0	5.5	185.9	82.0	39.4	2.1	76.0
55	80.6	85.4	5.6	211.2	96.0	5.4	191.3	81.0	38.9	2.1	78.1
56	80.0	84.9	5.6	216.8	95.0	5.3	196.6	81.0	38.9	2.1	80.1
57	79.4	84.4	5.6	222.3	95.0	5.3	201.9	81.0	38.9	2.1	82.2
58	78.8	83.9	5.5	227.8	95.0	5.2	207.1	80.0	38.4	2.0	84.2
59	78.2	83.4	5.5	233.3	95.0	5.2	212.3	80.0	38.4	2.0	86.2
60	77.6	82.9	5.4	238.7	95.0	5.2	217.5	79.0	37.9	2.0	88.2
61	77.0	82.4	5.4	244.1	94.0	5.1	222.6	79.0	37.9	1.9	90.1
62	76.4	81.9	5.3	249.5	94.0	5.0	227.6	78.0	37.4	1.9	92.0
63	75.8	81.4	5.3	254.8	94.0	5.0	232.6	78.0	37.4	1.9	93.8
64	75.2	80.9	5.3	260.0	94.0	4.9	237.5	77.0	37.0	1.8	95.7
65	74.6	80.4	5.2	265.3	94.0	4.9	242.4	77.0	37.0	1.8	97.5
66	74.0	79.9	5.2	270.4	93.0	4.8	247.3	76.0	36.5	1.8	99.2
67	73.4	79.4	5.1	275.6	93.0	4.8	252.0	76.0	36.5	1.7	101.0
68	72.8	78.9	5.1	280.7	93.0	4.7	256.8	75.0	36.0	1.7	102.7
69	72.2	78.3	5.1	285.7	92.0	4.6	261.4	74.0	35.5	1.7	104.3
70	71.6	77.8	5.0	290.7	92.0	4.6	266.0	73.0	35.0	1.6	106.0
71	71.0	77.3	5.0	295.7	92.0	4.6	270.6	72.0	34.6	1.6	107.5
72	70.4	76.8	4.9	300.6	91.0	4.5	275.1	71.0	34.1	1.5	109.1



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