



**ZAMBIA'S FINEST CHICKS**

# PRODUCT PERFORMANCE



**HYBRID BROWN**

**COMMERCIAL LAYER**

**HYBRID BROWN**

**Zambia's Finest Layer Chicks**

[www.hybridpoultryfarm.com](http://www.hybridpoultryfarm.com)



## Zambia's Finest Layer Chicks

### Laying period

18-90 weeks

Liveability	98	%
Age at 50% production	140	days
Peak percentage	96	%
Average egg weight	63	g
Egg number hen housed	415	
Egg mass hen housed	25.7	kg
Average feed consumption per day	109	g
Feed conversion	2.07	kg/kg
Body weight	2.05	Kg
Shell strength	4000	
Shell color	79.0	
Haugh units	80	



## Zambia's Finest Layer Chicks

### REARING CHART HYBRID BROWN COMMERCIAL LAYER

weeks	age in days	feed intake per bird		body weight in grams	
		per day (g)	cum. (kg)	minimum	maximum
1	0-7	11	0.1	68	72
2	8-14	19	0.2	121	129
3	15-21	24	0.4	184	196
4	22-28	28	0.6	257	273
5	29-35	35	0.9	349	371
6	36-42	39	1.1	446	474
7	43-49	42	1.5	543	577
8	50-56	46	1.8	650	680
9	57-63	51	2.2	757	803
10	64-70	54	2.6	863	917
11	71-77	60	3.0	960	1,020
12	78-84	64	3.5	1,048	1,112
13	85-91	69	3.9	1,125	1,195
14	92-98	72	4.4	1,261	1,339
15	99-105	74	4.9	1,270	1,365
16	106-112	77	5.5	1,329	1,411
17	113-119	80	6.0	1,397	1,483
18	120-126	85	6.6	1,470	1,570

The information supplied in this guide is based on many actual flock results obtained under good environmental and management. It is presented as a service to our customers and should be used as a guide only. It does not constitute a guarantee or warranty of performance in any way.



# HYBRID POULTRY FARM (Z) LTD

## COMMERCIAL LAYER CHICK REARING RECORD CHART

Flock No..... Hatch Date..... No. of Birds.....

WEEK COM	Daily Mortality and Culls							Mortality		Light Hrs	Feed Fed		REMARKS (Vacc. Med, De-Worming etc)
	1	2	3	4	5	6	7	Wk	Cum		Cum%	Wk.	
1										23			
2										22			
3										18			
4										16			
5										14			
6										12			
7										12			
8										12			
9										12			
10										12			
11										12			
12										12			
13										12			
14										12			
15										13			
16										14			
17										15			
18										15			
19										15			
20										15			

Age(wks)	(days)	Std Weights		Actual Weight		Std Feed Gms		Actual Feed Gms		18		19		20	
		H	B	H	B	H	B	H	B	170	175	180	185	190	195
7		68	72	121	129	14	14	21	21	119	119	133	133	140	140
8		184	196	257	273	28	28	49	49	1397	1397	1570	1570	1630	1630
9		349	371	446	474	35	35	543	577	1483	1483	1670	1670	1730	1730
10		757	803	863	917	63	63	803	803	1411	1411	1670	1670	1730	1730
11		917	1020	1020	1112	70	70	917	917	1411	1411	1670	1670	1730	1730
12		1020	1112	1112	1261	77	77	1020	1020	1411	1411	1670	1670	1730	1730
13		1112	1261	1261	1329	84	84	1112	1112	1411	1411	1670	1670	1730	1730
14		1261	1329	1329	1411	91	91	1261	1261	1411	1411	1670	1670	1730	1730
15		1329	1411	1411	1570	98	98	1329	1329	1411	1411	1670	1670	1730	1730
16		1411	1570	1570	1630	105	105	1411	1411	1411	1411	1670	1670	1730	1730
17		1570	1630	1630	1730	112	112	1570	1570	1411	1411	1670	1670	1730	1730
18		1630	1730	1730		119	119	1630	1630	1411	1411	1670	1670	1730	1730
19		1730				126	126	1730	1730	1411	1411	1670	1670	1730	1730
20						133	133			1411	1411	1670	1670	1730	1730





## Zambia's Finest Layer Chicks

### HYBRID BROWN COMMERCIAL LAYER production recording chart (1)

AGE (weeks)	% HEN-DAY Current	HEN-DAY EGGS Cumulative	HEN-HOUSED EGGS Cumulative	MORTALITY Cumulative (%)	BODY WEIGHT (kg)	FEED CONSUMPTION (g / day per bird)	HEN-HOUSED EGG MASS Cumulative (kg)	AVERAGE EGGWEIGHT* (g / egg)
18	4 - 14	0.3-1.0	0.3-1.0	0.0	1.47 - 1.57	82 - 88	0.0	48.8 - 50.0
19	24 - 38	2.0-3.6	2.0-3.6	0.1	1.57 - 1.67	85 - 91	0.1	49.0 - 51.0
20	45 - 72	5.1-8.7	5.1-8.7	0.1	1.63 - 1.73	91 - 97	0.3	50.2 - 52.2
21	75 - 86	10.4-14.7	10.3-14.7	0.2	1.67 - 1.77	95 - 101	0.5	51.5 - 53.6
22	87 - 92	16.5-21.1	16.4-21.1	0.3	1.72 - 1.82	99 - 105	0.9	53.1 - 55.3
23	92 - 94	22.9-27.7	22.8-27.7	0.3	1.75 - 1.85	103 - 109	1.2	54.4 - 56.6
24	92 - 95	29.3-34.4	29.2-34.3	0.4	1.78 - 1.90	105 - 111	1.6	55.5 - 57.7
25	93 - 95	35.8-41.0	35.7-40.9	0.4	1.79 - 1.91	106 - 112	2.0	56.6 - 59.0
26	94 - 96	42.4-47.7	42.3-47.6	0.5	1.80 - 1.92	107 - 113	2.3	57.3 - 59.7
27	95 - 96	49.1-54.5	48.9-54.3	0.6	1.82 - 1.94	107 - 113	2.7	58.4 - 60.8
28	95 - 96	55.7-61.2	55.5-60.9	0.6	1.83 - 1.95	107 - 113	3.1	59.0 - 61.4
29	95 - 96	62.4-67.9	62.1-67.6	0.7	1.84 - 1.96	107 - 113	3.5	59.3 - 61.7
30	94 - 96	69.0-74.6	68.6-74.3	0.7	1.84 - 1.96	107 - 113	3.9	59.7 - 62.1
31	94 - 96	75.5-81.3	75.1-80.9	0.8	1.84 - 1.96	108 - 114	4.3	59.9 - 62.3
32	94 - 95	82.1-88.0	81.7-87.5	0.9	1.85 - 1.97	108 - 114	4.7	60.1 - 62.5
33	94 - 95	88.7-94.6	88.2-94.1	0.9	1.85 - 1.97	108 - 114	5.1	60.3 - 62.7
34	94 - 95	95.3-101.3	94.7-100.7	1.0	1.85 - 1.97	108 - 114	5.5	60.5 - 62.9
35	94 - 95	101.9-107.9	101.2-107.3	1.0	1.85 - 1.97	108 - 114	5.9	60.6 - 63.0
36	93 - 94	108.4-114.5	107.6-113.8	1.1	1.86 - 1.98	108 - 114	6.3	60.7 - 63.1
37	93 - 94	114.9-121.1	114.1-120.3	1.2	1.86 - 1.98	108 - 114	6.7	60.8 - 63.2
38	93 - 94	121.4-127.7	120.5-126.8	1.2	1.86 - 1.98	108 - 114	7.1	60.9 - 63.3
39	92 - 93	127.8-134.2	126.9-133.2	1.3	1.87 - 1.99	108 - 114	7.5	61.0 - 63.4
40	92 - 93	134.3-140.7	133.2-139.6	1.4	1.87 - 1.99	108 - 114	7.9	61.1 - 63.5
41	91 - 93	140.6-147.2	139.5-146.0	1.4	1.87 - 1.99	108 - 114	8.3	61.2 - 63.6
42	91 - 92	147.0-153.7	145.8-152.4	1.5	1.88 - 2.00	108 - 114	8.7	61.3 - 63.9
43	90 - 92	153.3-160.1	152.0-158.7	1.6	1.88 - 2.00	108 - 114	9.1	61.5 - 64.1
44	90 - 92	159.6-166.5	158.1-165.0	1.6	1.88 - 2.00	108 - 114	9.5	61.6 - 64.2
45	89 - 91	165.8-172.9	164.3-171.3	1.7	1.89 - 2.01	107 - 113	9.9	61.6 - 64.2
46	89 - 91	172.1-179.3	170.4-177.6	1.8	1.89 - 2.01	107 - 113	10.3	61.7 - 64.3
47	88 - 90	178.2-185.6	176.4-183.7	1.9	1.89 - 2.01	107 - 113	10.6	61.8 - 64.4
48	88 - 90	184.4-191.9	182.5-189.9	1.9	1.89 - 2.01	107 - 113	11.0	61.9 - 64.5
49	88 - 90	190.5-198.2	188.5-196.1	2.0	1.89 - 2.01	107 - 113	11.4	62.0 - 64.6
50	88 - 89	196.7-204.4	194.5-202.2	2.1	1.89 - 2.01	107 - 113	11.8	62.1 - 64.7
51	87 - 89	202.8-210.6	200.5-208.3	2.1	1.89 - 2.01	106 - 112	12.2	62.1 - 64.7
52	87 - 89	208.9-216.9	206.4-214.4	2.2	1.89 - 2.01	106 - 112	12.5	62.2 - 64.8
53	87 - 88	215.0-223.0	212.4-220.4	2.3	1.89 - 2.01	106 - 112	12.9	62.2 - 64.8
54	87 - 88	221.1-229.2	218.3-226.4	2.3	1.89 - 2.01	106 - 112	13.3	62.2 - 64.8
55	86 - 88	227.1-235.3	224.2-232.4	2.4	1.90 - 2.02	106 - 112	13.7	62.2 - 64.8
56	86 - 87	233.1-241.4	230.1-238.4	2.5	1.90 - 2.02	106 - 112	14.0	62.3 - 64.9
57	85 - 87	239.1-247.5	235.9-244.3	2.6	1.90 - 2.02	106 - 112	14.4	62.3 - 64.9
58	85 - 87	245.0-253.6	241.7-250.2	2.6	1.90 - 2.02	106 - 112	14.8	62.3 - 64.9
59	85 - 87	251.0-259.7	247.5-256.1	2.7	1.90 - 2.02	106 - 112	15.1	62.4 - 65.0
60	84 - 86	256.8-265.7	253.2-262.0	2.8	1.90 - 2.02	106 - 112	15.5	62.4 - 65.0



## Zambia's Finest Layer Chicks

### HYBRID BROWN COMMERCIAL LAYER production recording chart (1)

AGE (weeks)	% HEN-DAY Current	HEN-DAY EGGS Cumulative	HEN-HOUSED EGGS Cumulative	MORTALITY Cumulative (%)	BODY WEIGHT (kg)	FEED CONSUMPTION (g / day per bird)	HEN- HOUSED EGG MASS Cumulative (kg)	AVERAGE EGG WEIGHT* (g / egg)
61	84 - 86	262.7-271.7	258.9-267.8	2.9	1.90 - 2.02	106 - 112	15.9	62.5 - 65.1
62	83 - 86	268.5-277.8	264.5-273.7	2.9	1.90 - 2.02	106 - 112	16.2	62.5 - 65.1
63	83 - 85	274.3-283.7	270.1-279.4	3.0	1.90 - 2.02	106 - 112	16.6	62.6 - 65.2
64	83 - 85	280.1-289.7	275.8-285.2	3.1	1.90 - 2.02	106 - 112	16.9	62.6 - 65.2
65	83 - 85	286.0-295.6	281.4-291.0	3.2	1.90 - 2.02	106 - 112	17.3	62.7 - 65.3
66	82 - 84	291.7-301.5	286.9-296.6	3.3	1.90 - 2.02	106 - 112	17.7	62.7 - 65.3
67	81 - 84	297.4-307.4	292.4-302.3	3.4	1.90 - 2.02	106 - 112	18.0	62.8 - 65.4
68	81 - 83	303.0-313.2	297.9-307.9	3.5	1.90 - 2.02	106 - 112	18.4	62.8 - 65.4
69	81 - 82	308.7-318.9	303.3-313.4	3.7	1.90 - 2.02	106 - 112	18.7	62.9 - 65.5
70	80 - 82	314.3-324.7	308.7-319.0	3.8	1.91 - 2.03	106 - 112	19.1	62.9 - 65.5
71	79 - 81	319.8-330.3	314.0-324.4	3.9	1.91 - 2.03	106 - 112	19.4	63.0 - 65.6
72	79 - 81	325.4-336.0	319.3-329.9	4.0	1.91 - 2.03	106 - 112	19.7	63.0 - 65.6
73	78 - 80	330.8-341.6	324.6-335.2	4.1	1.91 - 2.03	106 - 112	20.1	63.1 - 65.7
74	77 - 80	336.2-347.2	329.7-340.6	4.3	1.91 - 2.03	106 - 112	20.4	63.1 - 65.7
75	76 - 79	341.5-352.7	334.8-345.9	4.4	1.91 - 2.03	106 - 112	20.7	63.2 - 65.8
76	76 - 78	346.9-358.2	339.9-351.1	4.5	1.91 - 2.03	106 - 112	21.1	63.2 - 65.8
77	75 - 77	352.1-363.6	344.9-356.2	4.7	1.91 - 2.03	106 - 112	21.4	63.3 - 65.9
78	75 - 77	357.4-369.0	349.9-361.3	4.8	1.91 - 2.03	106 - 112	21.7	63.3 - 65.9
79	74 - 77	362.5-374.4	354.8-366.5	5.0	1.91 - 2.03	106 - 112	22.0	63.4 - 66.0
80	74 - 76	367.7-379.7	359.7-371.5	5.1	1.91 - 2.03	106 - 112	22.4	63.5 - 66.1
81	74 - 76	372.9-385.0	364.6-376.5	5.3	1.91 - 2.03	106 - 112	22.7	63.5 - 66.1
82	74 - 76	378.1-390.3	369.5-381.6	5.4	1.91 - 2.03	106 - 112	23.0	63.5 - 66.1
83	73 - 75	383.2-395.6	374.4-386.5	5.6	1.91 - 2.03	106 - 112	23.3	63.6 - 66.2
84	73 - 75	388.3-400.8	379.2-391.5	5.7	1.91 - 2.03	106 - 112	23.6	63.6 - 66.2
85	73 - 75	393.4-406.1	384.0-396.4	5.9	1.91 - 2.03	106 - 112	23.9	63.6 - 66.2
86	73 - 75	398.5-411.3	388.8-401.4	6.0	1.91 - 2.03	106 - 112	24.2	63.6 - 66.2
87	72 - 74	403.6-416.5	393.5-406.2	6.2	1.91 - 2.03	106 - 112	24.5	63.7 - 66.3
88	72 - 74	408.6-421.7	398.2-411.1	6.3	1.91 - 2.03	106 - 112	24.9	63.7 - 66.3
89	72 - 74	413.6-426.9	402.9-415.9	6.5	1.91 - 2.03	106 - 112	25.2	63.7 - 66.3
90	72 - 74	418.7-432.0	407.7-420.7	6.6	1.91 - 2.03	106 - 112	25.5	63.7 - 66.3

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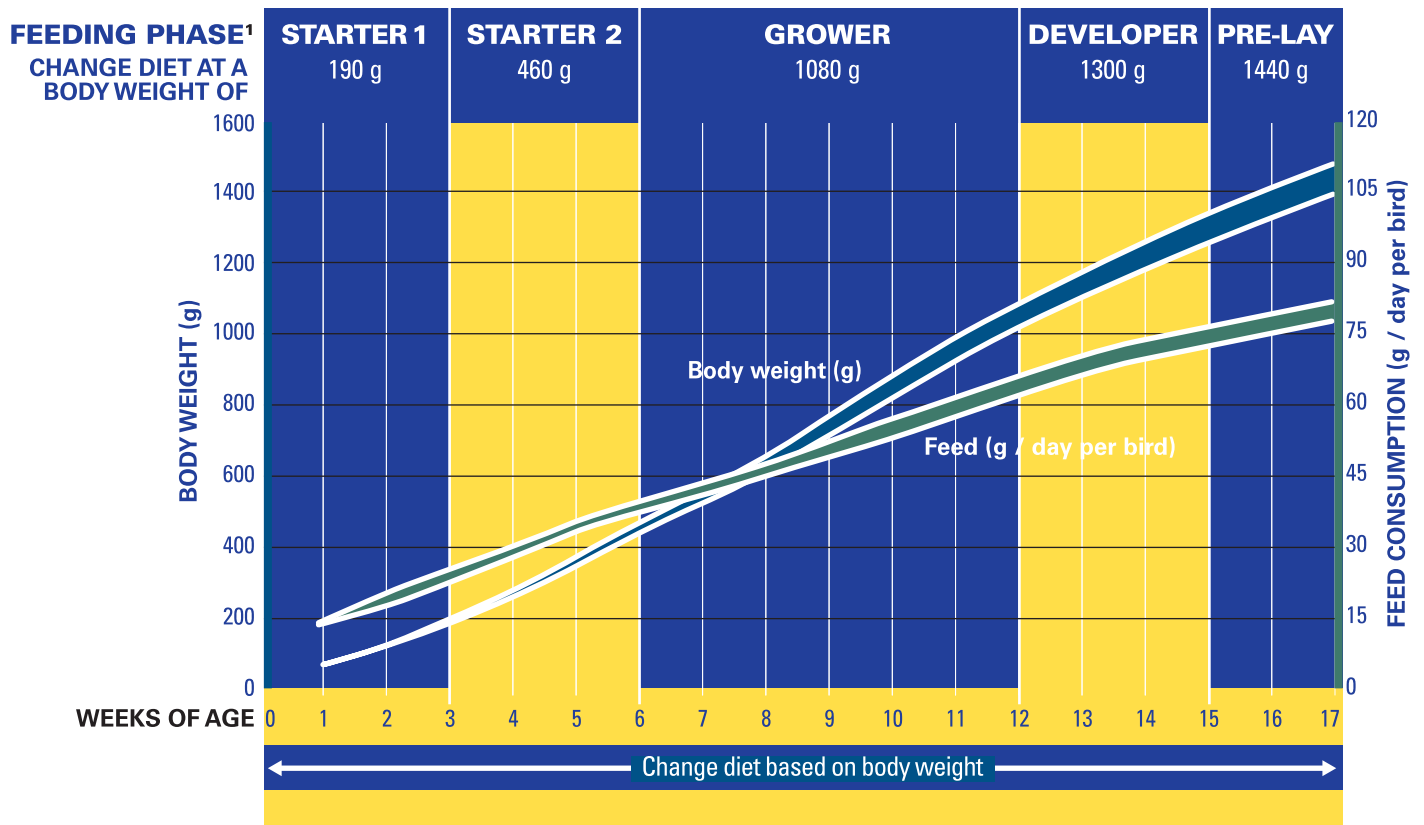


## Zambia's Finest Layer Chicks

### HYBRID BROWN



## Growing Period Nutritional Recommendations



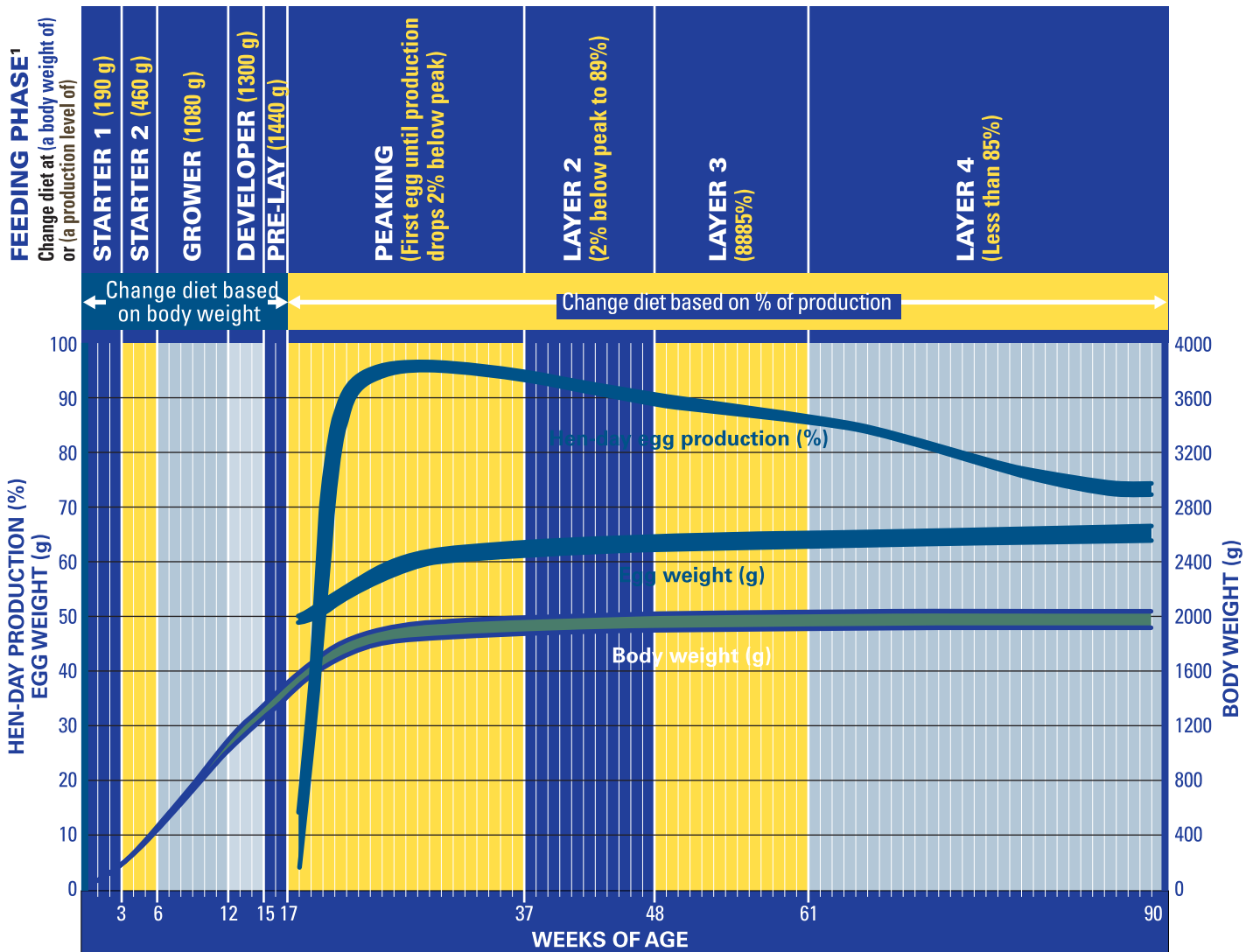




# Zambia's Finest Layer Chicks

## HYBRID BROWN COMMERCIAL LAYER

### Phase Feeding to Meet the Hens Nutritional Needs





HOUSE TEMPERATURE: Use temperature to control feed consumption and egg size	
Brooding	1821°C <i>Only change 1° every 2 weeks</i>
	2025°C <i>Only change 1° every 2 weeks</i>
<b>FEED FORM:</b>	* Crumble may be fed longer to encourage body weight gain
Crumble or mash	Mash

# HYBRID BROWN LAYER-2020

## COMMERCIAL LAYER FLOCK HEALTH MONITORING GUIDE

## LAYER FLOCK N:

		<b>HYBRID POULTRY FARM (Z) LTD</b> BOX 310097 <b>CHAMBA VALLEY - LUSAKA - ZAMBIA</b>							
Days	Weeks	Date-Due	Date-Done	Type	Details	Placement date Flock Number: Layers House N. Index Date	Vaccin	Expiry	Document
1	0.1			V	Rispens CVI 988 HATCHERY LEVEL-MAREK'S SUBCUT				Done
1	0.1	1-Jan-00		V	VH+H120: HATCHERY LEVEL-SPRAY NCD+IBV				Done
10	1.3	10-Jan-00		V	GUMBORO MB: Drinking Water				
13	1.8	13-Jan-00		V	IB 4/91: Spray Vaccination Infectious Bronchitis				
18	2.4	18-Jan-00		V	GUMBORO MB: Drinking Water				
21	3	21-Jan-00		V	VH: Spray Vaccination NCD				
49	7	19-Feb-00		V	Ma5+Clone30: Spray Vaccination NCD+IBV				
56	8	25-Feb-00		V	CEO POX + Dil: Wing Web - full				
70	10	10-Mar-00		V	Nobilis IB + ND: I.M.0.5ml INAC				
77	11	17-Mar-00		V	IB 4/91: Spray Vaccination Infectious Bronchitis				
84	12	24-Mar-00		V	Nobivac Coryza S.C.0.5ml				
84	12	24-Mar-00		V	AE + POX + Dil: Wing Web - full				
112	16	21-Apr-00		V	Nobivac Coryza S.C.0.5ml				
112	16	22-Apr-00		V	Nobilis IB + ND: I.M.0.5ml				
119	17	29-Apr-00		V	Ma5+Clone30: Spray Vaccination				
119	17	8-May-00		V	BLOOD TESTING AND WATER ANALYSIS				

**KEY**  
V

**VACCINATION**

### RECOMMENDATION:

ALTERNATION BETWEEN VH+120 and MA5+CLONE30 Vaccines for NCD+IBV DISEASES  
 VH+120 VACCINATION FOR NCD+IBV AT : 30weeks, 42weeks, 66weeks  
 MA5+CLONE30 VACCINATION FOR NCD+IBV AT : 36weeks, 48weeks, 60weeks  
 DEWORM AT 10 AND 16 WEEKS

NOTE: THIS VACCINATION PROGRAM IS JUST A GUIDE AND IT IS SUSCEPTIBLE TO CHANGES ACCORDING TO THE FARMER'S POULTRY VETERINARIAN CONSULTANT  
 HYBRID POULTRY FARM DOES NOT ACCEPT ANY RESPONSIBILITY IN CASE OF ANY POULTRY DISEASE CHALLENGE OCCURRING



## LAYER LIGHTING PROGRAMME

### REARING PERIOD

AGE IN DAYS	HOURS OF LIGHTS	WITCH OFF TIME
7	23	12HRS DAY 11HRS NIGHT
7-14	21	03:00 HOURS
14-21	18	24:00 HOURS
21-28	15	21:00 HOURS
28-35	13	19:00 HOURS
35-42	12	18:00 HOURS

**NB:** FROM WEEK 6 TO WEEK 16 SWITCH OFF LIGHTS AT 18:00 HOURS

### PRODUCTION PERIOD

AGE IN WEEKS	LIGHT HOURS	OFF	ON
17	11	17:00 HOURS	06:00 HOURS
18	12	18:00 HOURS	06:00 HOURS
19	14	20:00 HOURS	06:00 HOURS
20	14	20:00 HOURS	06:00 HOURS
21	14	20:00 HOURS	06:00 HOURS
22	15	21:00 HOURS	06:00 HOURS
23	15	21:00 HOURS	06:00 HOURS
24	16	22:00 HOURS	06:00 HOURS
25	17	22:00 HOURS	04:00 HOURS
26	17	22:00 HOURS	04:00 HOURS

**NB:** FROM 25 WEEKS UPTO END SWITCH OFF AT 23:00 HOURS

- THEN GIVE VITAMINS FOR ONE WEEK ON ARRIVAL TO AVOID STRESS OF TRANSPORTATION.
- REMEMBER TO DEWORM THE BIRDS ON MONTHLY BASIS ON DEEP LITTER.
- ADD 1:30 HOURS EXTRA LIGHT FROM 01:00 HOURS TO 02:30 HOURS



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