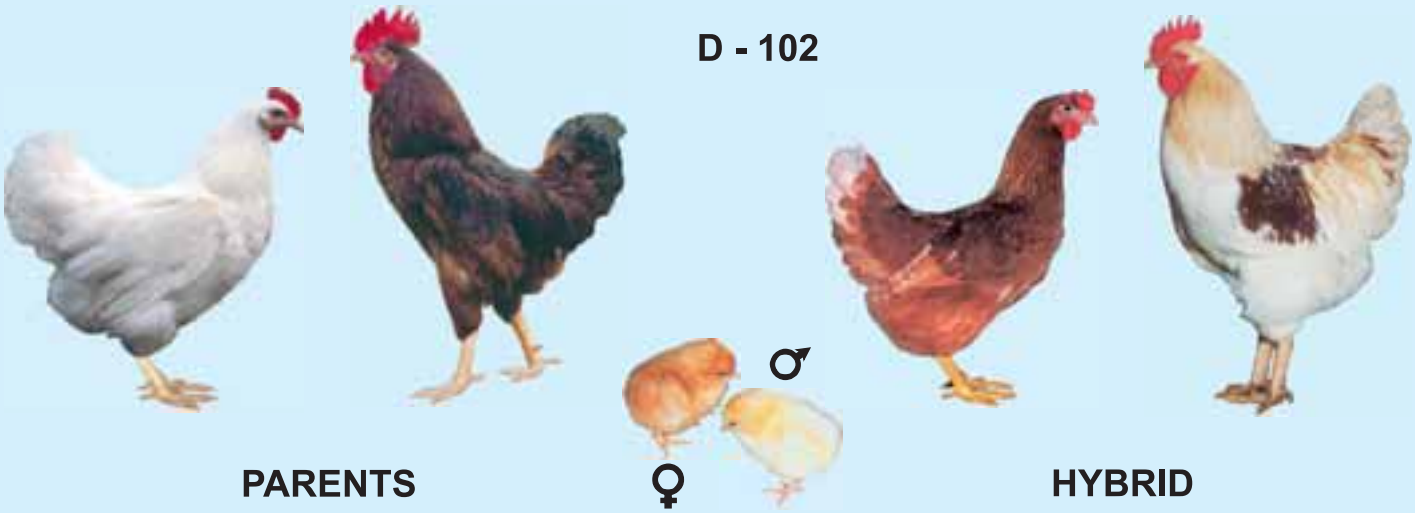
DOMINANT CZ

PARENT STOCK

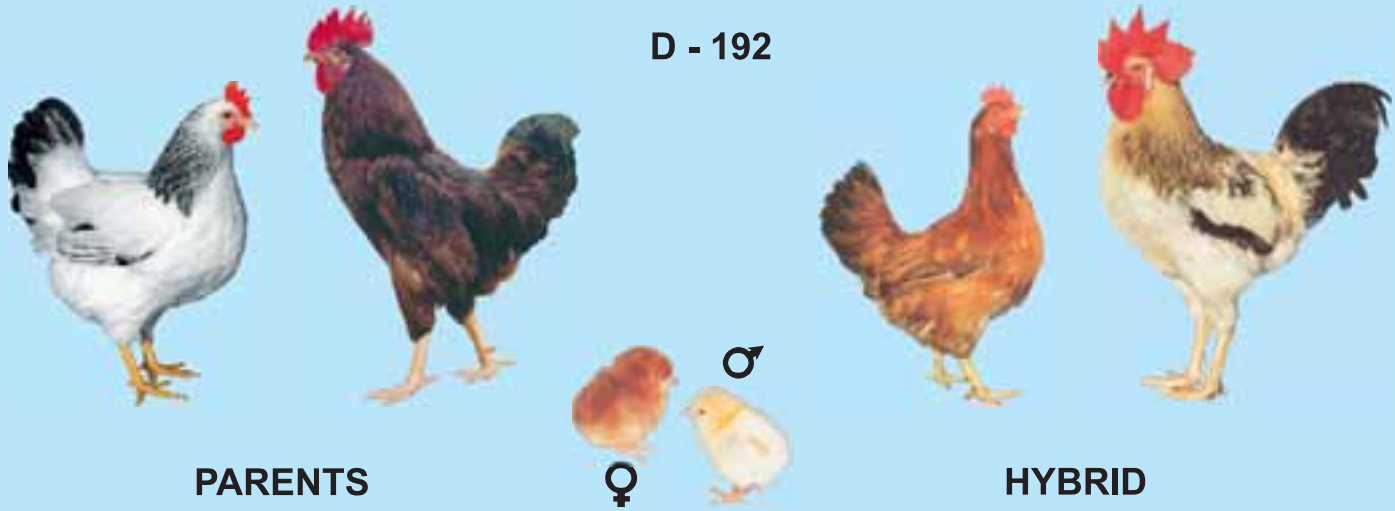
COMMON MANAGEMENT GUIDE
LAYERS PROGRAMMES

D - 102



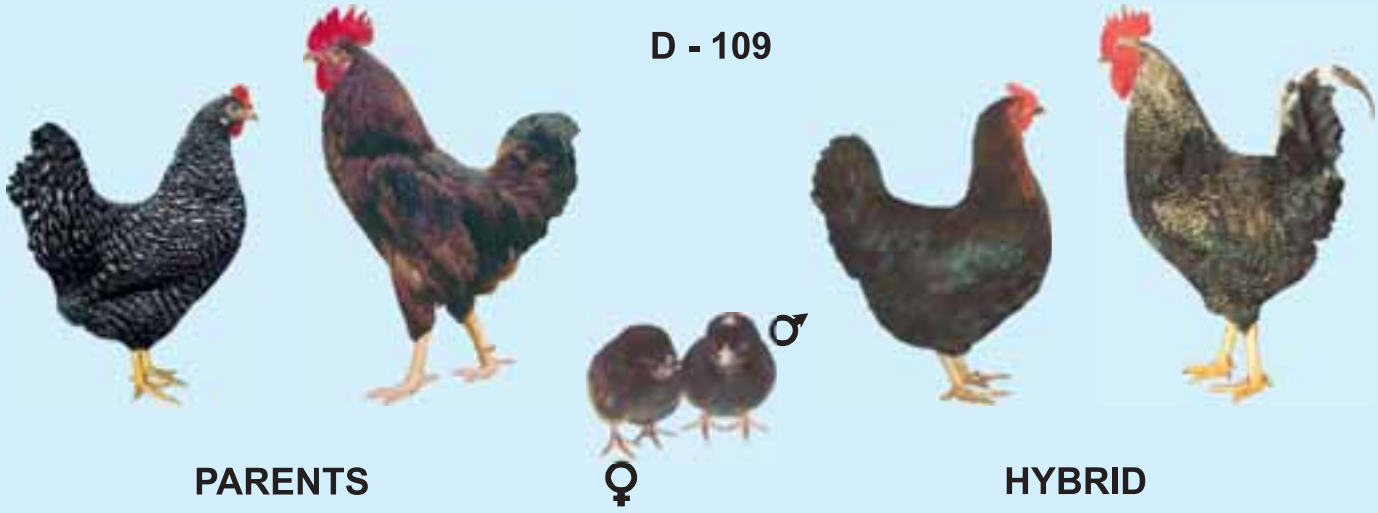
PARENTS HYBRID

D - 192



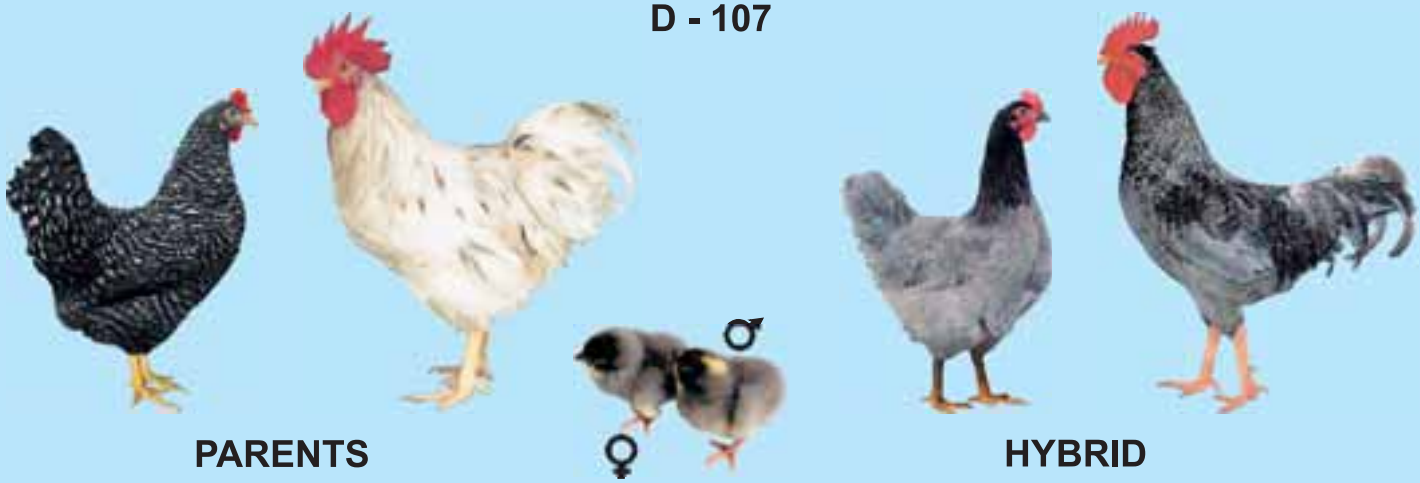
PARENTS HYBRID

D - 109



PARENTS HYBRID

D - 107



PARENTS HYBRID

C O N T E N T S

1. INTRODUCTION

Dominant CZ firm offers for brown egg layers 8 autosexing coloured programmes:

DOMINANT BROWN D 102 and DOMINANT brown D 192 = coloursexed through silver-red S/s alleles of Silver gene.

DOMINANT BLACK D 109, DOMINANT BLACK D 149 and DOMINANT BLUE D 107 = coloursexed through barred-nonbarred B/b alleles of Bar gene.

DOMINANT SUSSEX D 104, DOMINANT BARRED D 959 and DOMINANT AMBER D 843 feathersexed through slow-fast feathering K/k alleles of K gene.

These original layers programmes are used in different - rural - organic - extensive - industrial - production conditions.All this programmes have high adaptability to possible feeding and environment conditions, answering common changes of conditions by selection of pure lines in original stocks in the last 15 generations.

Management guides for parent stock will be oriented for litter technology in closed halls with controled lighting programme, because it is the most common producing system, garanting high performans, good health status and high quality of hatching eggs.

We offer to Your attention common principles, which are recommend as optimal for the achievement of profit by producing of hatching eggs and in litter conditions. If the other technology for the rearing or laying period of parent stock is used, this management guides could be used as fundamental information, which could be apply in all types of environment.

There must be tendency of a good breeder try to establish optimal conditions for his parent stocks.Next information can help You to reach it.

Detail parameters of productivity of all 8 parent stocks DOMINANT CZ is described on seperate enclosures.

2. PRINCIPLES OF PROSPEROUS REARING AND LAYING PERIOD

I. Cleaning and washing of the rearing and production halls and also all technological equipments before delivery day.

II. Disinsectization, desinfection, deratization of the rearing and producing halls after last stock in hall.

III. Observance technological recommendations and requirements for parent stocks DOMINANT CZ

IV. Quality of rearing period determine the achievement of performance potential in laying period for productivity of hatching eggs with high hatchability.

3. LIVING SPACE FOR CHICKENS AND PARENTS

It is optimal for rearing to keep chickens first 8 weeks in isolation from older birds.

1 - 10 weeks of age:	10 birds / m^2 of floor area
Male / Female ratio:	15 males for 100 females
11 - 18 weeks of age:	8 birds / m^2 of floor area
Male / Female ratio:	12 males for 100 females
19 -78 week of age"	5 birds / m^2 of floor area
Male / Female ratio:	10 males for 100 females

4. FEEDING SPACE

week 1 - 10	7 cm per individual
week 11 - 78	12 cm per individual

For feeding of Dominant CZ parent stocks is recommended to use system „ad libitum", without restrictions. Dominant CZ parent stocks chickens usually do not require beak triming and are quiet, especially in fixed conditions without stress factors.

5. INFORMATIVE AVERAGE FEED CONSUMPTION AND BODY WEIGHT OF PARENT STOCKS IN REARING

Age in weeks	Average Feed Consumptiom		Optimum body weight in grams			
			MAXIMAL		MINIMAL	
	g/day	kg cum.	cocks	pullets	cocks	pullets
1	12	0.084	80	70	80	70
2	19	0.217	150	130	150	130
3	24	0.385	280	200	270	190
4	28	0.581	365	270	355	260
5	34	0.819	450	350	440	340
6	39	1.092	580	440	560	430
7	44	1.400	710	450	680	440
8	49	1.771	840	650	800	630
9	53	2.142	980	770	940	750
10	58	2.548	1.130	880	1.080	860
11	63	2.989	1.280	980	1.230	960
12	68	3.465	1.420	1.070	1.360	1.040
13	71	3.962	1.550	1.150	1.480	1.120
14	73	4.473	1.670	1.230	1.590	1.200
15	75	4.998	1.780	1.300	1.690	1.270
16	77	5.537	1.890	1.370	1.800	1.330
17	78	6.083	2.000	1.440	1.890	1.390
18	79	6.636	2.100	1.500	1.980	1.450

DRINKING SPACE

Week 1 - 10: 2 cm per individual and later increase to 3 cm per chicken, if it is used drinking system with niples, it would be better for first week place one drinker per 100 chickens equally in the whole place of rearing hall and use it no more than 1 week.

In drinking system for chickens and for adult parents the watter must be available all the time.

7. BROODING TEMPERATURE

Optimal temperatures for chickens reared on the floor (in the height of chickens) are:

1st week	32 - 34 °C
2nd week	31 - 27 °C

In following weeks reduce by 2°C gradually till 20°C.

The temperature near 20°C must be kept till the 18th weeks and this temperature is optimal for the laying period as well.

8. LIGHTING PROGRAMME

Light requirements are described in the lighting schedule attached on the page 6. This is the most important for the achievement of required production of hatching eggs in halls with controlled lighting programme to control number and weight of eggs between 20th and 30th weeks and to correct lighting programme especially between 22th and 26th week. It is better for obtaining higher weight of hatching eggs to keep lighting period for 13 hours. If weight of hatching eggs is optimal, could be better add every week half of hour of light and finally achieve 16 hours at 28 week. Between 22th and 26th weeks is possible to correct egg weight through correctures of lighting programme .

Light intensity needed:

1 - 3 week	3-4 W / m^2
4 - 16 week	1-2 W / m^2
17 - 78 week	2-3 W / m^2

9. FEEDING PROGRAMME

Minimally 4 periods with special feed mixtures:

0 - 4 week	starter for layers
5 -10 week	grower for layers
11 -18 week	feed mixture for pullets
19 - 78 week	feed mixture for layers

Recommended requirements of nutrients and energy for parent stocks of DOMINANT CZ programmes is described in schedule attached on the page 5.

10. WEIGHTING PROGRAMME

It is recommended in the rearing period to weigh from 5th week of age every week or 1x after 2 weeks. Well-balanced flock is, when 80 % of individual body weights has be in the interval +/- 10% of real average body weight. Important for the well balanced flock is ad libitum system of feeding, optimal concentration of chickens in hall and adequate dislocation of the technology in the whole area of hall.

11.VACCINATION PROGRAMME

Routine vaccination programme must be discussed with local Veterinary Advicer and he must recommend optimal vaccination for Your place and actual epidemiologic situation in Your teritory. You must cooperate with Your hatching expert and discusse optimal Marek vaccine and finally to obtain information about maternal immunities of Your chickens.

It is optimal, if every parent stock should be under control of Poultry Veterinary Adviser for the control of imunity after vaccination, there should be a quick reaction in the case of infection in the flock.

12. CLIMATISATION AND VENTILATION

Sufficient aeration should be without draught, hall temperature should be from 18 - 24°C. Temperature under 15°C for longer period negative affects the quality of litter and the laying performance. Temperature higher than 30°C causes less feed consumption and less eggs productivity. It is optimal for the change of fresh air the quantity from 1 - 6 cubic meter of fresh air per one hour per one kg of live body weight of chickens or hens, depenting temperature and humidity. Optimal humidity in the hall is from 40 - 60 %.

13.SANITATION, SELECTION AND STORAGE OF HATCHING EGGS

Collecting of hatching eggs during the maximal intensity of lay must be carried out minimally every two hours. Collected eggs must be desinfected immediatelly by formalin vapour either in a box or in separate room or through other desinfection method. Polluted eggs should not be washed and they are not proper for the hatching.

Optimally weight of hatching eggs is between 52 - 65 grams.

The optimal storage temperature for hatching eggs is between 8 - 12°C during long storage (7 - 14 days). For short storage is optimal temperature 15 - 18°C. Relative humiditz in storage room is 70 - 80 %.

It is important for the collecting to clean hatching eggs to minimalize eggs losed from floor. This eggs must be frequently collected. Nest must be distributed equable in the whole hall and one nest must be for 4-5 hens.

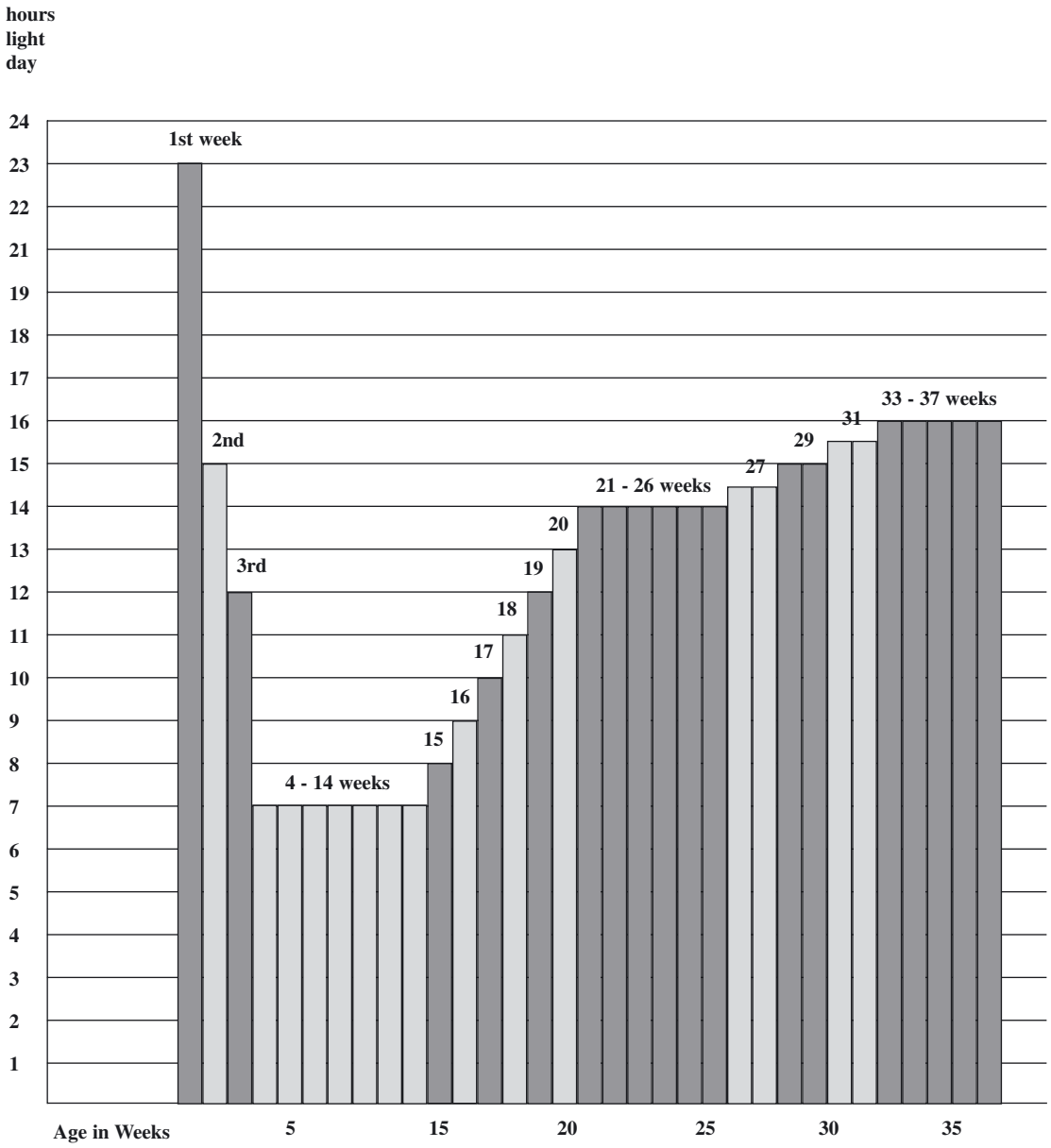
14. DAILY CONTROL OF EVERY SEPARATED PARENT STOCK

There must be every day controle of mortality and health status in each flock and technological parameters temperature, ventilation, drinking and feeding.

15. RECOMMENDED REQUIREMENTS OF NUTRIENTS AND ENERGY DOMINANT CZ - PARENT STOCKS

	Chickens 0 - 4 wks starter	Grower 5 - 10 weeks	Grower 11 - 18 weeks	Layers I 19 - 39 weeks	Layers II 40 - 78 weeks
Protein %	19,5	l8-	15	17	15,5
Metabol. Kca 1/kg	2.875	2.850	2.750	2.750	2.700
energy KJ/kg	12.000	11.900	11.500	11.500	11.300
MINERALS					
Calcium %	1,0 - 1,1	1,0 - 1,1	1,3 - 3,0	3,3 - 3,7	3,8 - 4,0
Avail. Phosphorus %	0,45	0,40	0,35	0,37	3,3
Sodium %	0,17	0,16	0,16	0,16	0,16
AMINO ACIDS					
Methionine %	0,48	0,4	0,32	0,38	0,34
Meth. - Cystine %	0,82	0,73	0,58	0,67	0,62
Lysine %	1,08	0,9	0,72	0,8	0,75
Threonin %	0,76	0,65	0,5	0,51	0,48
Tryptophan %	0,2	0,17	0,15	0,16	0,15
ADDED VITAMINS (per 1 kg of feed)					
A I. U.	12.000	10.000	10.000	10.000	10.000
D3 I. U.	2.500	2.500	2.000	2.000	2.000
Bl (Thiamine) mg	1	1	1	1,5	1,5
B2 (Ribof1avin) mg	5	5	5	6	6
PanthothenicAcid mg	10	8	6	8	8
Niacin mg	40	40	30	35	35
Cholinchlorid mg	600	500	500	500	500
E mg	20	20	20	20	20
K3 mg	2,5	2,5	2	2	2
B12 mg	0,02	0,015	0,01	0,015	0,015
Folic Acid mg	0,5	0,5	0,5-	0,5	0,5
B6 (Pyridoxine) mg	3	3	2	3	3
Biotin mg	0,15	0,1	0,05	0,1	0,1
ADDED MINERALS (micrograms per 1 kg of feed)					
Manganese (Mn)	70	70	70	80	80
Zinc (Zn)	50	50	50	50	50
Copper (Cu)	6	6	6	6	6
Iron (Fe)	60	60	60	60	60
Iodine (I)	1	1	1	1	1
Cobalt (Co)	0,25	0,25	0,25	0,25	0,25
Selenium (Se)	0,2	0,2	0,2	0,2	0,2

16. LIGHTING SCHEDULE FOR DOMINANT CZ - PARENT STOCK



PARAMETERS OF THE PARENT STOCK
DOMINANT BROWN D 102

GROWING PERIOD: 1 - 18 WEEK OF AGE

Livability	*94 - 96%*
Body weight at 18 weeks - females	*1,40 kg*
Feed consumption to 18 weeks per 1 females	*6,00 kg*
Body weight at 18 weeks - males	*1,80 kg*
Feed constumption to 18 weeks per 1 male	*6,70 kg*

LAYING PERIOD: 19 - 68 WEEK OF AGE

Livability	*95 - 97 %*
Laying performance in 23rd life-week	*50%*
Top of the laying performance at 29- 30 week	*92%*
Number of eggs (hen housed)	*259*
Average egg-weight	*61,5 g*
Feed intake per day	*122g*
Number of hatching eggs per 1 hen	*220*
Weight of hen at the end of the period	2,20 *kg*
Colour of the egg shell	brown
Temperament	quiet

DOMINANT BROWN D - 102 is colour sexed layer programme through silver-red S/s alleles of Silver gene. One-day-old hens are brown and one-day-old cockerels are yellow.

THE PARENT STOCK PERFOMANCE OF DOMINANT BROWN D 102
at the age 22nd - 68th week.

Week of age	% lay	Number of eggs weekly	Number of eggs cum.	Weight of eggs grs.	Hatching eggs weekly	Hatching eggs cumn.
22	26	1.82	1.82	47.3	-	-
23	50	3.50	5.32	48.6	-	-
24	73	5,11	10.43	49.6	-	-
25	82	5.74	16.17	50.9	4.4	-
26	88	6.16	22.33	52.1	4.9	9.3
27	90	6.30	28.63	52.8	5.3	14.6
28	91	6.37	35.00	53.7	5.7	20.3
29	91	6.37	41.37	54.6	5.8	26.1
30	92	6.44	47.81	55.6	5.8	31.9
31	92	6.44	54.25	56.3	5.9	37.8
32	92	6.44	60.69	57.0	6.0	43.8
33	92	6.44	67.13	57.7	6.0	49.8
34	91	6.37	73.50	58.3	6.0	55.8
35	91	6.37	79.87	58.9	6.0	61.8
36	91	6.37	86.24	59.2	5.9	67.7
37	90	6.30	92.54	59.5	5.9	73.6
38	90	6.30	98.84	59.9	5.9	79.5
39	89	6.23	105.07	60.2	5.8	85.3
40	89	6.23	111.30	60.4	5.8	91.1
41	88	6.16	117.46	60.6	5.8	96.9
42	88	6.16	123.62	60.8	5.7	102.6
43	88	6.16	129.78	60.9	5.7	108.3
44	87	6.09	135.87	61.0	5.6	113.9
45	86	6.02	141.89	61.1	5.6	119.5
46	85	5.95	147.84	61.2	5.5	125.0
47	85	5.95	153.79	61.3	5.4	130.4
48	83	5.81	159.60	61.4	5.3	135.7
49	82	5.74	165.34	61.6	5.2	140.9
50	80	5.60	170.94	61.7	5.1	146.0
51	79	5.53	176.47	61.9	5.0	151.0
52	77	5.39	181.86	62.0	4.9	155.9
53	77	5.39	187.25	62.1	4.8	160.7
54	75	5.25	192.50	62.2	4.7	165.4
55	75	5.25	197.75	62.3	4.6	170.0
56	73	5.11	202.86	62.4	4.5	174.5
57	72	5.04	207.90	62.5	4.4	178.9
58	71	4.97	212.87	62.7	4.3	183.2
59	70	4.90	217.77	62.9	4.2	187.4
60	69	4.83	222.60	63.0	4.1	191.5
61	68	4.76	227.36	63.1	4.0	195.5
62	67	4.69	232.05	63.2	3.8	199.3
63	67	4.69	236.74	63.3	3.7	203.0
64	66	4.62	241.36	63.5	3.6	206.6
65	66	4.62	245.98	63.6	3.4	210.0
66	65	4.55	250.53	63.6	3.3	213.3
67	65	4.55	255.08	63.7	3.2	216.5
68	63	4.41	259.49	63.8	3.1	219.6

PARAMETERS OF THE PARENT STOCK
DOMINANT BROWN D 192

GROWING PERIOD: 1 - 18 WEEK OF AGE

Livability	*94 - 96%*
Body weight at 18 weeks - females	*1,50 kg*
Feed consumption to 18 weeks per 1 females	*6,30 kg*
Body weight at 18 weeks - males	*1,80 kg*
Feed constumption to 18 weeks per 1 male	*6,80 kg*

LAYING PERIOD: 19 - 68 WEEK OF AGE

Livability	*93 - 95 %*
Laying performance in 23rd life-week	*50%*
Top of the laying performance at 29 - 30 week	*91%*
Number of eggs (hen housed)	*258*
Average egg-weight	*61,5 g*
Feed intake per day	*122g*
Number of hatching eggs per 1 hen	*220*
Weight of hen at the end of the period	2,20 *kg*
Colour of the egg shell	brown
Temperament	quiet

DOMINANT BROWN D 192 is colour sexed layer programme through silver-red S/s alleles of Silver gene. One-day-old hens are brown and one-day-old cockerels are yellow..

THE PARENT STOCK PERFOMANCE OF DOMINANT BROWN D 192
at the age 22nd - 68th week.

Week of age	% lay	Number of eggs weekly	Number of eggs cum.	Weight of eggs grs.	Hatching eggs weekly	Hatching eggs cumn.
22	23	1.61	1.61	47.3	-	-
23	50	3.50	5.11	48.6	-	-
24	69	4.83	9.94	49.6	-	-
25	83	5.81	15.75	50.9	4.4	-
26	87	6.09	21.84	52.1	4.9	9.3
27	90	6.30	28.14	52.8	5.3	14.6
28	91	6.37	34.51	53.7	5.7	20.3
29	92	6.44	40.95	54.6	5.8	26.1
30	92	6.44	47.39	55.6	5.8	31.9
31	92	6.44	53.83	56.3	5.9	37.8
32	92	6.44	60.27	57.0	6.0	43.8
33	91	6.37	66.64	57.7	6.0	49.8
34	91	6.37	73.01	58.3	6.0	55.8
35	91	6.37	79.38	58.9	6.0	61.8
36	90	6.30	85.68	59.2	5.9	67.7
37	90	6.30	91.98	59.5	5.9	73.6
38	89	6.23	98.21	59.9	5.9	79.5
39	89	6.23	104.44	60.2	5.8	85.3
40	89	6.23	110.67	60.4	5.8	91.1
41	88	6.16	116.83	60.6	5.8	96.9
42	88	6.16	122.99	60.8	5.7	102.6
43	87	6.09	129.08	60.9	5.7	108.3
44	87	6.09	135.17	61.0	5.6	113.9
45	86	6.02	141.19	61.1	5.6	119.5
46	85	5.95	147.14	61.2	5.5	125.0
47	85	5.95	153.09	61.3	5.4	130.4
48	83	5.81	158.90	61.4	5.3	135.7
49	82	5.74	164.64	61.6	5.2	140.9
50	80	5.60	170.24	61.7	5.1	146.0
51	78	5.46	175.70	61.9	5.0	151.0
52	77	5.39	181.09	62.0	4.9	155.9
53	76	5.32	186.41	62.1	4.8	160.7
54	75	5.25	191.66	62.2	4.7	165.4
55	74	5.18	196.84	62.3	4.6	170.0
56	73	5.11	201.95	62.4	4.5	174.5
57	72	5.04	206.99	62.5	4.4	178.9
58	71	4.97	211.96	62.7	4.3	183.2
59	70	4.90	216.86	62.9	4.2	187.4
60	69	4.83	221.96	63.0	4.1	191.5
61	68	4.76	226.45	63.1	4.0	195.5
62	67	4.69	231.14	63.2	3.8	199.3
63	66	4.62	235.76	63.3	3.7	203.0
64	66	4.62	240.38	63.5	3.6	206.6
65	65	4.55	244.93	63.6	3.4	210.0
66	65	4.55	249.48	63.6	3.3	213.2
67	64	4.48	253.96	63.7	3.2	216.5
68	63	4.41	258.37	63.8	3.1	219.6

PARAMETERS OF THE PARENT STOCK
DOMINANT BLACK D 109

GROWING PERIOD: 1 - 18 WEEK OF AGE

Livability	*94 - 96%*
Body weight at 18 weeks - females	*1,50 kg*
Feed consumption to 18 weeks per 1 females	*6,30 kg*
Body weight at 18 weeks - males	*1,80 kg*
Feed constumption to 18 weeks per 1 male	*6,80 kg*

LAYING PERIOD: 19 - 68 WEEK OF AGE

Livability	*93 - 95 %*
Laying performance in 23rd life-week	*50%*
Top of the laying performance at 29 - 30 week	*91%*
Number of eggs (hen housed)	*258*
Average egg-weight	*61,5 g*
Feed intake per day	*122g*
Number of hatching eggs per 1 hen	*220*
Weight of hen at the end of the period	2,20 *kg*
Colour of the egg shell	brown
Temperament	quiet

DOMINANT BLACK D 109 is colour sexed layer programme through barred/nonbarred B/b alleles of Bar gene. One-day-old cockerels have yellow spot on the head and one-day-old hens are withouth yellow spot on the head.

THE PARENT STOCK PERFOMANCE OF DOMINANT BLACK D 109
at the age 22nd - 68th week.

Week of age	% lay	Number of eggs weekly	Number of eggs cum.	Weight of eggs grs.	Hatching eggs weekly	Hatching eggs cumn.
22	23	1.61	1.61	47.3	-	-
23	50	3.50	5.11	48.6	-	-
24	69	4.83	9.94	49.6	-	-
25	83	5.81	15.75	50.9	4.4	-
26	87	6.09	21.84	52.1	4.9	9.3
27	90	6.30	28.14	52.8	5.3	14.6
28	91	6.37	34.51	53.7	5.7	20.3
29	92	6.44	40.95	54.6	5.8	26.1
30	92	6.44	47.39	55.6	5.8	31.9
31	92	6.44	53.83	56.3	5.9	37.8
32	92	6.44	60.27	57.0	6.0	43.8
33	91	6.37	66.64	57.7	6.0	49.8
34	91	6.37	73.01	58.3	6.0	55.8
35	91	6.37	79.38	58.9	6.0	61.8
36	90	6.30	85.68	59.2	5.9	67.7
37	90	6.30	91.98	59.5	5.9	73.6
38	89	6.23	98.21	59.9	5.9	79.5
39	89	6.23	104.44	60.2	5.8	85.3
40	89	6.23	110.67	60.4	5.8	91.1
41	88	6.16	116.83	60.6	5.8	96.9
42	88	6.16	122.99	60.8	5.7	102.6
43	87	6.09	129.08	60.9	5.7	108.3
44	87	6.09	135.17	61.0	5.6	113.9
45	86	6.02	141.19	61.1	5.6	119.5
46	85	5.95	147.14	61.2	5.5	125.0
47	85	5.95	153.09	61.3	5.4	130.4
48	83	5.81	158.90	61.4	5.3	135.7
49	82	5.74	164.64	61.6	5.2	140.9
50	80	5.60	170.24	61.7	5.1	146.0
51	78	5.46	175.70	61.9	5.0	151.0
52	77	5.39	181.09	62.0	4.9	155.9
53	76	5.32	186.41	62.1	4.8	160.7
54	75	5.25	191.66	62.2	4.7	165.4
55	74	5.18	196.84	62.3	4.6	170.0
56	73	5.11	201.95	62.4	4.5	174.5
57	72	5.04	206.99	62.5	4.4	178.9
58	71	4.97	211.96	62.7	4.3	183.2
59	70	4.90	216.86	62.9	4.2	187.4
60	69	4.83	221.96	63.0	4.1	191.5
61	68	4.76	226.45	63.1	4.0	195.5
62	67	4.69	231.14	63.2	3.8	199.3
63	66	4.62	235.76	63.3	3.7	203.0
64	66	4.62	240.38	63.5	3.6	206.6
65	65	4.55	244.93	63.6	3.4	210.0
66	65	4.55	249.48	63.6	3.3	213.2
67	64	4.48	253.96	63.7	3.2	216.5
68	63	4.41	258.37	63.8	3.1	219.6

PARAMETERS OF THE PARENT STOCK
DOMINANT BLACK D 149

GROWING PERIOD: 1 - 18 WEEK OF AGE

Livability	*94 - 96%*
Body weight at 18 weeks - females	*1,50 kg*
Feed consumption to 18 weeks per 1 females	*6,30 kg*
Body weight at 18 weeks - males	*1,80 kg*
Feed constumption to 18 weeks per 1 male	*6,80 kg*

LAYING PERIOD: 19 - 68 WEEK OF AGE

Livability	*93 - 95 %*
Laying performance in 23rd life-week	*50%*
Top of the laying performance at 29 - 30 week	*91%*
Number of eggs (hen housed)	*258*
Average egg-weight	*61,5 g*
Feed intake per day	*122g*
Number of hatching eggs per 1 hen	*220*
Weight of hen at the end of the period	2,20 *kg*
Colour of the egg shell	brown
Temperament	quiet

DOMINANT BLACK D 149 is colour sexed layer programme through barred/nonbarred B/b alleles of Bar gene. One-day-old cockerels have yellow spot on the head and one-day-old hens are withouth yellow spot on the head.

THE PARENT STOCK PERFOMANCE OF DOMINANT BLACK D 149
at the age 22nd - 68th week.

Week of age	% lay	Number of eggs weekly	Number of eggs cum.	Weight of eggs grs.	Hatching eggs weekly	Hatching eggs cumn.
22	23	1.61	1.61	47.3	-	-
23	50	3.50	5.11	48.6	-	-
24	69	4.83	9.94	49.6	-	-
25	83	5.81	15.75	50.9	4.4	-
26	87	6.09	21.84	52.1	4.9	9.3
27	90	6.30	28.14	52.8	5.3	14.6
28	91	6.37	34.51	53.7	5.7	20.3
29	92	6.44	40.95	54.6	5.8	26.1
30	92	6.44	47.39	55.6	5.8	31.9
31	92	6.44	53.83	56.3	5.9	37.8
32	92	6.44	60.27	57.0	6.0	43.8
33	91	6.37	66.64	57.7	6.0	49.8
34	91	6.37	73.01	58.3	6.0	55.8
35	91	6.37	79.38	58.9	6.0	61.8
36	90	6.30	85.68	59.2	5.9	67.7
37	90	6.30	91.98	59.5	5.9	73.6
38	89	6.23	98.21	59.9	5.9	79.5
39	89	6.23	104.44	60.2	5.8	85.3
40	89	6.23	110.67	60.4	5.8	91.1
41	88	6.16	116.83	60.6	5.8	96.9
42	88	6.16	122.99	60.8	5.7	102.6
43	87	6.09	129.08	60.9	5.7	108.3
44	87	6.09	135.17	61.0	5.6	113.9
45	86	6.02	141.19	61.1	5.6	119.5
46	85	5.95	147.14	61.2	5.5	125.0
47	85	5.95	153.09	61.3	5.4	130.4
48	83	5.81	158.90	61.4	5.3	135.7
49	82	5.74	164.64	61.6	5.2	140.9
50	80	5.60	170.24	61.7	5.1	146.0
51	78	5.46	175.70	61.9	5.0	151.0
52	77	5.39	181.09	62.0	4.9	155.9
53	76	5.32	186.41	62.1	4.8	160.7
54	75	5.25	191.66	62.2	4.7	165.4
55	74	5.18	196.84	62.3	4.6	170.0
56	73	5.11	201.95	62.4	4.5	174.5
57	72	5.04	206.99	62.5	4.4	178.9
58	71	4.97	211.96	62.7	4.3	183.2
59	70	4.90	216.86	62.9	4.2	187.4
60	69	4.83	221.96	63.0	4.1	191.5
61	68	4.76	226.45	63.1	4.0	195.5
62	67	4.69	231.14	63.2	3.8	199.3
63	66	4.62	235.76	63.3	3.7	203.0
64	66	4.62	240.38	63.5	3.6	206.6
65	65	4.55	244.93	63.6	3.4	210.0
66	65	4.55	249.48	63.6	3.3	213.2
67	64	4.48	253.96	63.7	3.2	216.5
68	63	4.41	258.37	63.8	3.1	219.6

PARAMETERS OF THE PARENT STOCK
DOMINANT BLUE D 107

GROWING PERIOD: 1 - 18 WEEK OF AGE

Livability	*94 - 96%*
Body weight at 18 weeks - females	*1,50 kg*
Feed consumption to 18 weeks per 1 females	*6,30 kg*
Body weight at 18 weeks - males	*1,80 kg*
Feed constumption to 18 weeks per 1 male	*6,80 kg*

LAYING PERIOD: 19 - 68 WEEK OF AGE

Livability	*93 - 95 %*
Laying performance in 23rd life-week	*50%*
Top of the laying performance at 29 - 30 week	*91%*
Number of eggs (hen housed)	*258*
Average egg-weight	*61,5 g*
Feed intake per day	*122g*
Number of hatching eggs per 1 hen	*220*
Weight of hen at the end of the period	2,20 *kg*
Colour of the egg shell	brown
Temperament	quiet

DOMINANT BLUE D 107 is colour sexed layer programme through barred/nonbarred B/b alleles of Bar gene. One-day-old cockerels have yellow spot on the head and one-day-old hens are withouth yellow spot on the head.

THE PARENT STOCK PERFOMANCE OF DOMINANT BLUE D 107
at the age 22nd - 68th week.

Week of age	% lay	Number of eggs weekly	Number of eggs cum.	Weight of eggs grs.	Hatching eggs weekly	Hatching eggs cumn.
22	23	1.61	1.61	47.3	-	-
23	50	3.50	5.11	48.6	-	-
24	69	4.83	9.94	49.6	-	-
25	83	5.81	15.75	50.9	4.4	-
26	87	6.09	21.84	52.1	4.9	9.3
27	90	6.30	28.14	52.8	5.3	14.6
28	91	6.37	34.51	53.7	5.7	20.3
29	92	6.44	40.95	54.6	5.8	26.1
30	92	6.44	47.39	55.6	5.8	31.9
31	92	6.44	53.83	56.3	5.9	37.8
32	92	6.44	60.27	57.0	6.0	43.8
33	91	6.37	66.64	57.7	6.0	49.8
34	91	6.37	73.01	58.3	6.0	55.8
35	91	6.37	79.38	58.9	6.0	61.8
36	90	6.30	85.68	59.2	5.9	67.7
37	90	6.30	91.98	59.5	5.9	73.6
38	89	6.23	98.21	59.9	5.9	79.5
39	89	6.23	104.44	60.2	5.8	85.3
40	89	6.23	110.67	60.4	5.8	91.1
41	88	6.16	116.83	60.6	5.8	96.9
42	88	6.16	122.99	60.8	5.7	102.6
43	87	6.09	129.08	60.9	5.7	108.3
44	87	6.09	135.17	61.0	5.6	113.9
45	86	6.02	141.19	61.1	5.6	119.5
46	85	5.95	147.14	61.2	5.5	125.0
47	85	5.95	153.09	61.3	5.4	130.4
48	83	5.81	158.90	61.4	5.3	135.7
49	82	5.74	164.64	61.6	5.2	140.9
50	80	5.60	170.24	61.7	5.1	146.0
51	78	5.46	175.70	61.9	5.0	151.0
52	77	5.39	181.09	62.0	4.9	155.9
53	76	5.32	186.41	62.1	4.8	160.7
54	75	5.25	191.66	62.2	4.7	165.4
55	74	5.18	196.84	62.3	4.6	170.0
56	73	5.11	201.95	62.4	4.5	174.5
57	72	5.04	206.99	62.5	4.4	178.9
58	71	4.97	211.96	62.7	4.3	183.2
59	70	4.90	216.86	62.9	4.2	187.4
60	69	4.83	221.96	63.0	4.1	191.5
61	68	4.76	226.45	63.1	4.0	195.5
62	67	4.69	231.14	63.2	3.8	199.3
63	66	4.62	235.76	63.3	3.7	203.0
64	66	4.62	240.38	63.5	3.6	206.6
65	65	4.55	244.93	63.6	3.4	210.0
66	65	4.55	249.48	63.6	3.3	213.2
67	64	4.48	253.96	63.7	3.2	216.5
68	63	4.41	258.37	63.8	3.1	219.6

PARAMETERS OF THE PARENT STOCK
DOMINANT SUSSEX D 104

GROWING PERIOD: 1 - 18 WEEK OF AGE

Livability	*94 - 96%*
Body weight at 18 weeks - females	*1,50 kg*
Feed consumption to 18 weeks per 1 females	*6,30 kg*
Body weight at 18 weeks - males	*1,80 kg*
Feed constumption to 18 weeks per 1 male	*6,80 kg*

LAYING PERIOD: 19 - 68 WEEK OF AGE

Livability	*93 - 95 %*
Laying performance in 23rd life-week	*50%*
Top of the laying performance at 29 - 30 week	*91%*
Number of eggs (hen housed)	*257*
Average egg-weight	*61,5 g*
Feed intake per day	*122g*
Number of hatching eggs per 1 hen	*220*
Weight of hen at the end of the period	2,30 *kg*
Colour of the egg shell	light brown
Temperament	quiet

DOMINANT SUSSEX D 104 is feather sexed layer programme through slow - fast feather K / k alleles of K gene. One-day-old hens are fast feathering and one-day-old cockerels are slow feathering.

THE PARENT STOCK PERFOMANCE OF DOMINANT SUSSEX D 104
at the age 22nd - 68th week.

Week of age	% lay	Number of eggs weekly	Number of eggs cum.	Weight of eggs grs.	Hatching eggs weekly	Hatching eggs cumn.
22	23	1.61	1.61	47.3	-	-
23	50	3.50	5.11	48.6	-	-
24	69	4.83	9.94	49.6	-	-
25	83	5.81	15.75	50.9	4.4	-
26	87	6.09	21.84	52.1	4.9	9.3
27	90	6.30	28.14	52.8	5.3	14.6
28	91	6.37	34.51	53.7	5.7	20.3
29	92	6.44	40.95	54.6	5.8	26.1
30	92	6.44	47.39	55.6	5.8	31.9
31	92	6.44	53.83	56.3	5.9	37.8
32	92	6.44	60.27	57.0	6.0	43.8
33	91	6.37	66.64	57.7	6.0	49.8
34	91	6.37	73.01	58.3	6.0	55.8
35	91	6.37	79.38	58.9	6.0	61.8
36	90	6.30	85.68	59.2	5.9	67.7
37	90	6.30	91.98	59.5	5.9	73.6
38	89	6.23	98.21	59.9	5.9	79.5
39	89	6.23	104.44	60.2	5.8	85.3
40	89	6.23	110.67	60.4	5.8	91.1
41	88	6.16	116.83	60.6	5.8	96.9
42	88	6.16	122.99	60.8	5.7	102.6
43	87	6.09	129.08	60.9	5.7	108.3
44	87	6.09	135.17	61.0	5.6	113.9
45	86	6.02	141.19	61.1	5.6	119.5
46	85	5.95	147.14	61.2	5.5	125.0
47	85	5.95	153.09	61.3	5.4	130.4
48	83	5.81	158.90	61.4	5.3	135.7
49	82	5.74	164.64	61.6	5.2	140.9
50	80	5.60	170.24	61.7	5.1	146.0
51	78	5.46	175.70	61.9	5.0	151.0
52	77	5.39	181.09	62.0	4.9	155.9
53	76	5.32	186.41	62.1	4.8	160.7
54	75	5.25	191.66	62.2	4.7	165.4
55	74	5.18	196.84	62.3	4.6	170.0
56	73	5.11	201.95	62.4	4.5	174.5
57	72	5.04	206.99	62.5	4.4	178.9
58	71	4.97	211.96	62.7	4.3	183.2
59	70	4.90	216.86	62.9	4.2	187.4
60	69	4.83	221.96	63.0	4.1	191.5
61	68	4.76	226.45	63.1	4.0	195.5
62	67	4.69	231.14	63.2	3.8	199.3
63	66	4.62	235.76	63.3	3.7	203.0
64	66	4.62	240.38	63.5	3.6	206.6
65	65	4.55	244.93	63.6	3.4	210.0
66	65	4.55	249.48	63.6	3.3	213.2
67	64	4.48	253.96	63.7	3.2	216.5
68	63	4.41	258.37	63.8	3.1	219.6

PARAMETERS OF THE PARENT STOCK
DOMINANT BARRED D 959

GROWING PERIOD: 1 - 18 WEEK OF AGE

Livability	*94 - 96%*
Body weight at 18 weeks - females	*1,50 kg*
Feed consumption to 18 weeks per 1 females	*6,30 kg*
Body weight at 18 weeks - males	*1,80 kg*
Feed constumption to 18 weeks per 1 male	*6,80 kg*

LAYING PERIOD: 19 - 68 WEEK OF AGE

Livability	*93 - 95 %*
Laying performance in 23rd life-week	*50%*
Top of the laying performance at 29 - 30 week	*92%*
Number of eggs (hen housed)	*259*
Average egg-weight	*61,5 g*
Feed intake per day	*122g*
Number of hatching eggs per 1 hen	*220*
Weight of hen at the end of the period	2,20 *kg*
Colour of the egg shell	brown
Temperament	quiet

DOMINANT Barred D -959 is feather sexed layer programme through slow - fast feather K / k alleles of K gene. One-day-old hens are fast feathering and one-day-old cockerels are slow feathering.

THE PARENT STOCK PERFOMANCE OF DOMINANT BARRED D 959
at the age 22nd - 68th week.

Week of age	% lay	Number of eggs weekly	Number of eggs cum.	Weight of eggs grs.	Hatching eggs weekly	Hatching eggs cumn.
22	26	1.82	1.82	47.3	-	-
23	50	3.50	5.32	48.6	-	-
24	73	5,11	10.43	49.6	-	-
25	82	5.74	16.17	50.9	4.4	-
26	88	6.16	22.33	52.1	4.9	9.3
27	90	6.30	28.63	52.8	5.3	14.6
28	91	6.37	35.00	53.7	5.7	20.3
29	91	6.37	41.37	54.6	5.8	26.1
30	92	6.44	47.81	55.6	5.8	31.9
31	92	6.44	54.25	56.3	5.9	37.8
32	92	6.44	60.69	57.0	6.0	43.8
33	92	6.44	67.13	57.7	6.0	49.8
34	91	6.37	73.50	58.3	6.0	55.8
35	91	6.37	79.87	58.9	6.0	61.8
36	91	6.37	86.24	59.2	5.9	67.7
37	90	6.30	92.54	59.5	5.9	73.6
38	90	6.30	98.84	59.9	5.9	79.5
39	89	6.23	105.07	60.2	5.8	85.3
40	89	6.23	111.30	60.4	5.8	91.1
41	88	6.16	117.46	60.6	5.8	96.9
42	88	6.16	123.62	60.8	5.7	102.6
43	88	6.16	129.78	60.9	5.7	108.3
44	87	6.09	135.87	61.0	5.6	113.9
45	86	6.02	141.89	61.1	5.6	119.5
46	85	5.95	147.84	61.2	5.5	125.0
47	85	5.95	153.79	61.3	5.4	130.4
48	83	5.81	159.60	61.4	5.3	135.7
49	82	5.74	165.34	61.6	5.2	140.9
50	80	5.60	170.94	61.7	5.1	146.0
51	79	5.53	176.47	61.9	5.0	151.0
52	77	5.39	181.86	62.0	4.9	155.9
53	77	5.39	187.25	62.1	4.8	160.7
54	75	5.25	192.50	62.2	4.7	165.4
55	75	5.25	197.75	62.3	4.6	170.0
56	73	5.11	202.86	62.4	4.5	174.5
57	72	5.04	207.90	62.5	4.4	178.9
58	71	4.97	212.87	62.7	4.3	183.2
59	70	4.90	217.77	62.9	4.2	187.4
60	69	4.83	222.60	63.0	4.1	191.5
61	68	4.76	227.36	63.1	4.0	195.5
62	67	4.69	232.05	63.2	3.8	199.3
63	67	4.69	236.74	63.3	3.7	203.0
64	66	4.62	241.36	63.5	3.6	206.6
65	66	4.62	245.98	63.6	3.4	210.0
66	65	4.55	250.53	63.6	3.3	213.3
67	65	4.55	255.08	63.7	3.2	216.5
68	63	4.41	259.49	63.8	3.1	219.6

PARAMETERS OF THE PARENT STOCK
DOMINANT AMBER D 843

GROWING PERIOD: 1 - 18 WEEK OF AGE

Livability	*94 - 96%*
Body weight at 18 weeks - females	*1,50 kg*
Feed consumption to 18 weeks per 1 females	*6,30 kg*
Body weight at 18 weeks - males	*1,80 kg*
Feed constumption to 18 weeks per 1 male	*6,80 kg*

LAYING PERIOD: 19 - 68 WEEK OF AGE

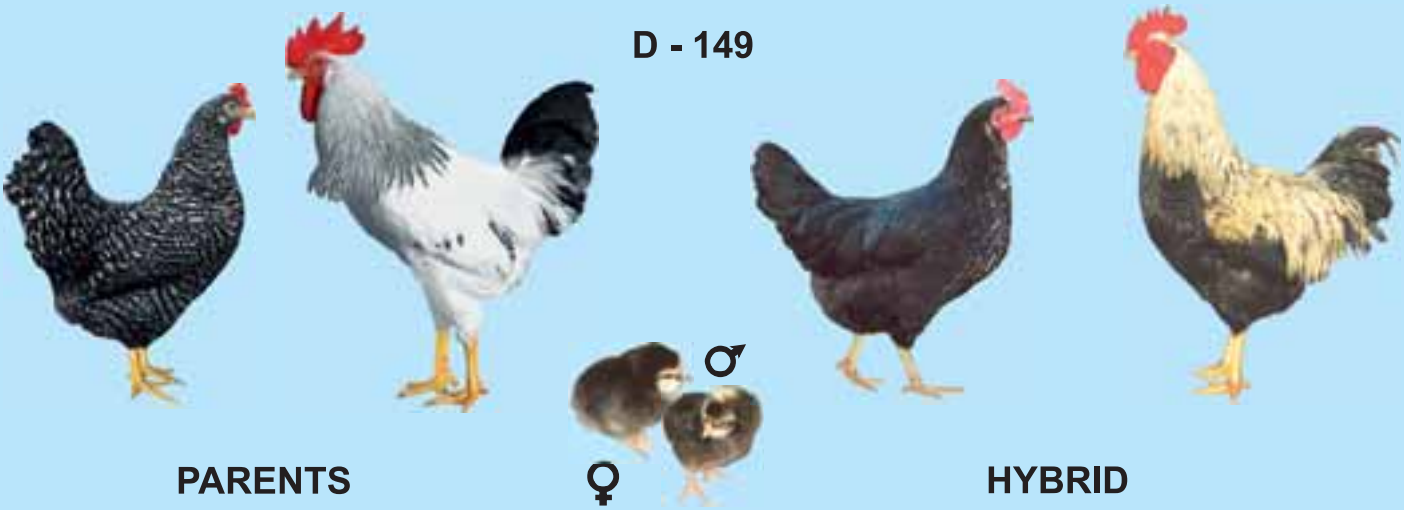
Livability	*93 - 95 %*
Laying performance in 23rd life-week	*50%*
Top of the laying performance at 29 - 30 week	*91%*
Number of eggs (hen housed)	*257*
Average egg-weight	*61,5 g*
Feed intake per day	*122g*
Number of hatching eggs per 1 hen	*220*
Weight of hen at the end of the period	2,20 *kg*
Colour of the egg shell	brown
Temperament	quiet

DOMINANT AMBER D -843 is feather sexed layer programme through slow - fast feather K / k alleles of K gene. One-day-old hens are fast feathering and one-day-old cockerels are slow feathering.

THE PARENT STOCK PERFOMANCE OF DOMINANT AMBER D 843
at the age 22nd - 68th week.

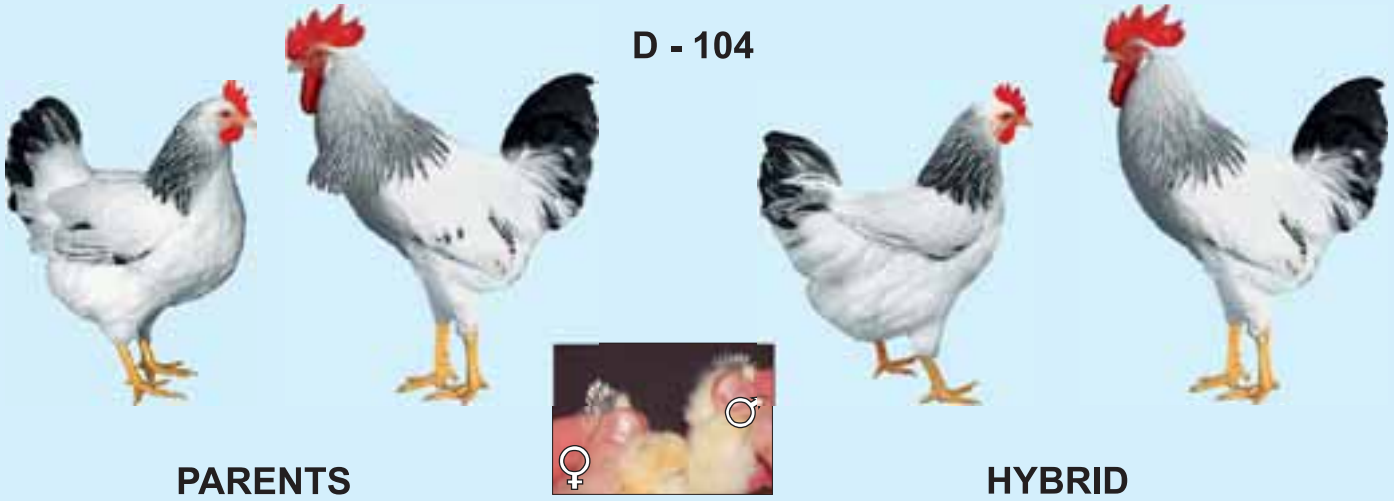
Week of age	% lay	Number of eggs weekly	Number of eggs cum.	Weight of eggs grs.	Hatching eggs weekly	Hatching eggs cumn.
22	26	1.82	1.82	47.3	-	-
23	50	3.50	5.32	48.6	-	-
24	73	5,11	10.43	49.6	-	-
25	82	5.74	16.17	50.9	4.4	-
26	88	6.16	22.33	52.1	4.9	9.3
27	90	6.30	28.63	52.8	5.3	14.6
28	91	6.37	35.00	53.7	5.7	20.3
29	91	6.37	41.37	54.6	5.8	26.1
30	92	6.44	47.81	55.6	5.8	31.9
31	92	6.44	54.25	56.3	5.9	37.8
32	92	6.44	60.69	57.0	6.0	43.8
33	92	6.44	67.13	57.7	6.0	49.8
34	91	6.37	73.50	58.3	6.0	55.8
35	91	6.37	79.87	58.9	6.0	61.8
36	91	6.37	86.24	59.2	5.9	67.7
37	90	6.30	92.54	59.5	5.9	73.6
38	90	6.30	98.84	59.9	5.9	79.5
39	89	6.23	105.07	60.2	5.8	85.3
40	89	6.23	111.30	60.4	5.8	91.1
41	88	6.16	117.46	60.6	5.8	96.9
42	88	6.16	123.62	60.8	5.7	102.6
43	88	6.16	129.78	60.9	5.7	108.3
44	87	6.09	135.87	61.0	5.6	113.9
45	86	6.02	141.89	61.1	5.6	119.5
46	85	5.95	147.84	61.2	5.5	125.0
47	85	5.95	153.79	61.3	5.4	130.4
48	83	5.81	159.60	61.4	5.3	135.7
49	82	5.74	165.34	61.6	5.2	140.9
50	80	5.60	170.94	61.7	5.1	146.0
51	79	5.53	176.47	61.9	5.0	151.0
52	77	5.39	181.86	62.0	4.9	155.9
53	77	5.39	187.25	62.1	4.8	160.7
54	75	5.25	192.50	62.2	4.7	165.4
55	75	5.25	197.75	62.3	4.6	170.0
56	73	5.11	202.86	62.4	4.5	174.5
57	72	5.04	207.90	62.5	4.4	178.9
58	71	4.97	212.87	62.7	4.3	183.2
59	70	4.90	217.77	62.9	4.2	187.4
60	69	4.83	222.60	63.0	4.1	191.5
61	68	4.76	227.36	63.1	4.0	195.5
62	67	4.69	232.05	63.2	3.8	199.3
63	67	4.69	236.74	63.3	3.7	203.0
64	66	4.62	241.36	63.5	3.6	206.6
65	66	4.62	245.98	63.6	3.4	210.0
66	65	4.55	250.53	63.6	3.3	213.3
67	65	4.55	255.08	63.7	3.2	216.5
68	63	4.41	259.49	63.8	3.1	219.6

D - 149



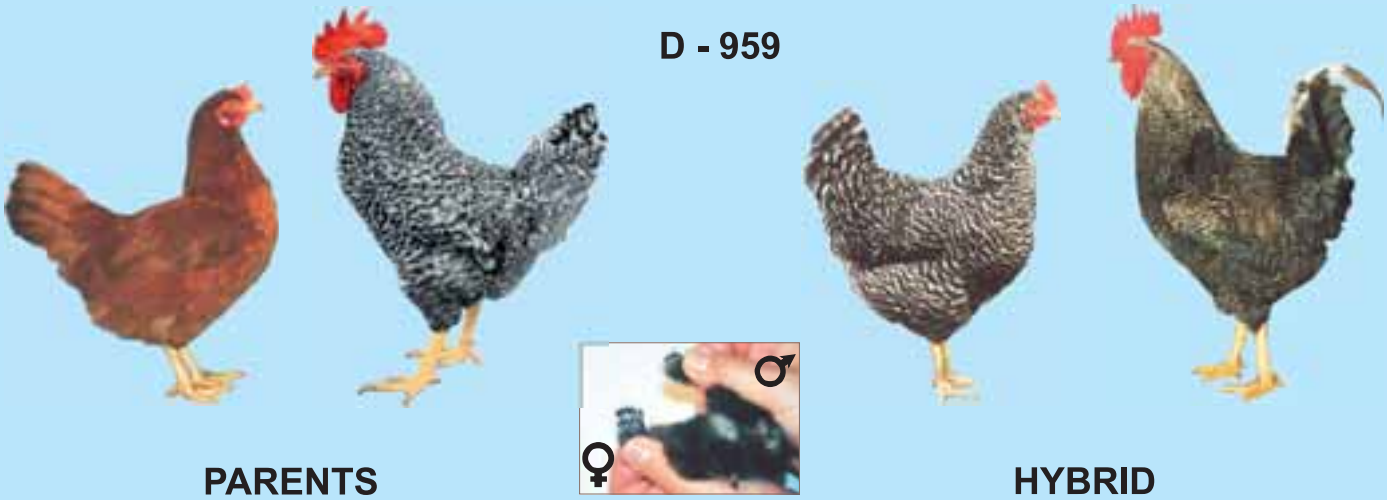
PARENTS HYBRID

D - 104



PARENTS HYBRID

D - 959



PARENTS HYBRID

D - 843

PARENTS HYBRID

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