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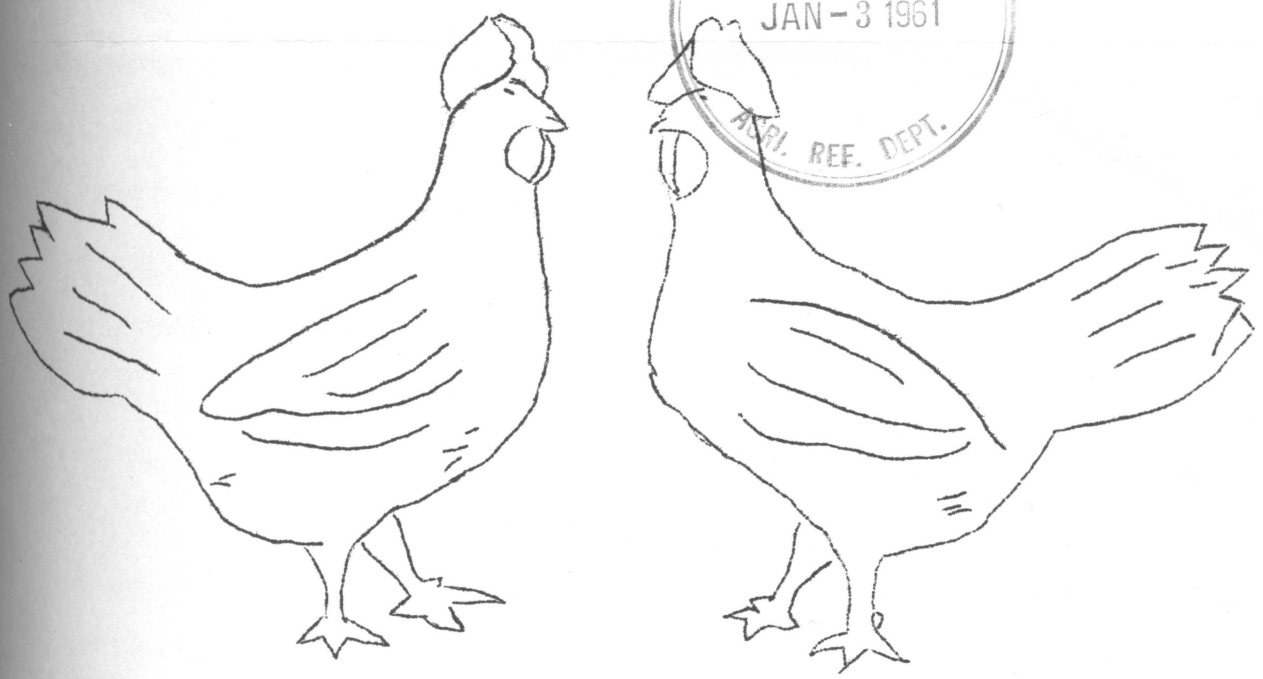
FINAL REPORT

SIXTH TEXAS RANDOM SAMPLE

EGG PRODUCTION TEST

February 24, 1959 - July 7, 1960



BILL H. DORAN, SUPERVISOR RANDOM SAMPLE TESTS

TEXAS AGRICULTURAL EXPERIMENT STATION

R. D. Lewis, Director, College Station, Texas

GLOSSARY OF TERMS USED IN THE SIXTH TEXAS RANDOM SAMPLE EGG PRODUCTION TEST REPORT

AVERAGE BODY WEIGHT*: Four body weights were taken during the Test - at 70 days of age - at housing time (150 days of age), again during the month of January, 1960, and at the completion of the 500 day Test period (July 8, 1960).

BLOOD SPOTS - LARGE: Bright red spots 1/8" or larger in size detected when eggs were broken for egg quality score.

BLOOD SPOTS - SMALL: Bright red spots less than 1/8" in size detected when eggs were broken for egg quality score.

CHICK COST: The price the entrant quotes in his catalog for chicks of this grade obtained at the time the Test began in lots of 1000 pullet chicks.

DAYS TO 50% PRODUCTION: This trait was measured by determining the age at which the birds laid at the rate of 50% on 2 consecutive days. The first day on which this occurred was taken as the age to 50% production.

EGGS PER PULLET HOUSED: Total of all eggs produced divided by the number of pullets housed for that entry.

EGG WEIGHT DISTRIBUTION: No. of extra large A, large A, large B, medium A, small A, medium & small B's and all C's, PeeWees, Chex, and meat and blood spot eggs determined by grading all eggs laid one day each week during the laying period.

EGG WEIGHT CLASSES: Extra large, 26 oz. per dozen or over; large, 23-26 oz.; medium, 20-23 oz.; small 17-20 oz.; and peewees, below 17 oz. per dozen.

ESTIMATED REARING FEED COST: Estimated cost for feed to housing time using current market prices. The amount of feed per pullet to ten weeks of age was computed from tables showing estimated feed consumption based on average body weight.

FEED COST PER PULLET HOUSED: Pounds of feed consumed per pullet multiplied by current feed prices.

HEN-DAY EGGS PER BIRD TO DATE: Accummulated monthly hen-day eggs per bird to date.

INCOME: Income from the sale of eggs and meat at current market prices. The entry was credited with the actual value of its eggs by U.S.D.A. Grades. Estimated value received for hens at 500 days of age based on the following prices: 1. No. 1 heavy, $.16; 2. No. 1 light, $.08; 3. No. 2 heavy, $.11; 4. No. 2 light, $.05 and rejects, no value. All birds weighing 5 lbs. or more were considered in the heavy class. No. 1 birds include all A & B grades with the exception of B grades having the following: 1. Severe skin discoloration on back and sides. 2. Excessive amount of pin feathers. 3. Excessive scratches and bruises. 4. Moderately crooked breast. No. 2 birds were those listed in the above exceptions plus all C grade birds. Rejects were all birds not suitable for human consumption.

INCOME OVER FEED AND CHICK COST INCLUDING MEAT VALUE: Income from Egg Value plus Meat Value minus Feed and Chick Cost. Does not include charges for cost of brooding, vaccine, labor, etc. Cost of feed during growing period is included.

INTERIOR EGG QUALITY DATA: To obtain interior egg quality data all eggs laid during a one day period in Oct., January and April were broken out and scored for egg weight, albumen quality (Haugh Units), shell thickness, and meat and blood spots.

LAYING HOUSE FEED CONSUMPTION: Total mash consumed during laying house period by entry.

LAYING HOUSE FEED COST PER PULLET: Cost of feed consumed per pullet housed during the growing and laying period by entry using current market prices.

MONTHLY HEN-DAY EGG PRODUCTION IN PERCENT: Total number eggs for month divided by the number of hen-days in the month times 100.

MORTALITY: All birds that died during the 500 day Test, divided into two periods (1) the growing period and (2) the laying house period.

MEAT SPOTS - LARGE: Spots other than bright red which are 1/8" or larger in size detected when eggs were broken for egg quality score.

MEAT SPOTS - SMALL: Spots other than bright red which are less than 1/8" in size detected when eggs were broken for egg quality score.

PRIMARY CAUSES OF MORTALITY: Birds that died during the 500 day Test period were diagnosed by pathologists in the School of Veterinary Medicine, Texas A. and M. College, College Station, Texas.

*Birds were weighed individually.

INCOME DATA (1959-1960)

ENTRY	HENS AT END OF TEST	VALUE OF EGGS TOTAL	VALUE OF EGGS PER PULLET HOUSED	VALUE OF MEAT TOTAL	VALUE OF MEAT PER PULLET HOUSED	TOTAL INCOME/ PULLET HOUSED	CHICK PRICE	LAYING HOUSE FEED COST PULLET*	TOTAL COST/ PULLET HOUSED	INCOME OVER FEED & CHICK COST INCL. MEAT VALUE
Ames	40	$206.46	4.304	$27.950	.582	$4.883	$490	$3.589	$4.079	$ .804
Atwood	46	260.20	5.421	22.200	.463	5.884	.460	3.544	4.004	1.880
Chemcll	39	207.46	4.322	14.880	.310	4.632	.360	3.137	3.497	1.135
Colonial	37	217.44	4.530	18.510	.386	4.916	.440	3.258	3.698	1.218
Colonial	33	182.01	3.792	16.490	.344	4.136	.440	3.064	3.504	.632
Cornell	43	223.97	4.666	20.680	.431	5.097	.420	3.500	3.920	1.177
D & C	38	221.59	4.616	23.390	.487	5.103	.420	3.284	3.704	1.399
DeKalb	42	241.20	5.025	22.350	.466	5.491	.570	3.498	4.068	1.423
DeWitt	40	234.28	4.881	15.330	.319	5.200	.420	3.227	3.647	1.553
DeWitt	42	241.79	5.037	18.630	.388	5.425	.420	3.363	3.783	1.642
Eby	44	218.51	4.552	18.230	.380	4.932	.350	3.485	3.835	1.097
Erath	43	233.94	4.874	17.640	.368	5.242	.370	3.280	3.650	1.592
Flinn	38	206.88	4.310	17.330	.361	4.671	.450	3.143	3.593	1.078
Ghostley	36	219.78	4.579	17.730	.369	4.948	.430	3.288	3.718	1.230
G. Oak	40	225.52	4.698	19.580	.408	5.106	.420	3.268	3.688	1.418
Grigsby	41	225.20	4.692	22.070	.460	5.152	.570	3.344	3.914	1.238
Kazmeier	46	253.45	5.280	17.910	.373	5.653	.585	3.509	4.094	1.559
Ideal	42	218.13	4.544	21.500	.448	4.992	.420	3.357	3.777	1.215
Imperial	45	201.39	4.196	24.040	.501	4.697	.446	3.219	3.665	1.032
Hy-Lay	41	238.73	4.973	14.570	.304	5.277	.585	3.365	3.950	1.327
Kimber	42	241.16	5.024	24.420	.509	5.533	.480	3.544	4.024	1.509
M & S	43	233.29	4.860	26.940	.561	5.421	.570	3.524	4.094	1.327
Ray McD.	42	232.50	4.844	21.940	.457	5.301	.340	3.470	3.810	1.491
Roy McD.	39	226.00	4.708	19.990	.416	5.124	.350	3.457	3.807	1.317
Swift	44	250.07	5.210	22.190	.462	5.672	.400	3.572	3.972	1.700
Vance	46	235.69	4.910	21.290	.444	5.354	.460	3.459	3.919	1.435
Von Minden	39	228.18	4.754	28.830	.601	5.355	.400	3.576	3.976	1.379
Western	41	245.43	5.113	21.880	.456	5.569	.480	3.543	4.023	1.546
Williams	40	230.76	4.807	19.620	.409	5.216	.460	3.299	3.759	1.457
Wilson	43	237.63	4.951	16.200	.338	5.289	.585	3.339	3.924	1.365
Average	41	$227.96	4.749	$20.477	.427	$5.176	$.453	$3.384	$3.837	$1.339

* Laying house feed cost per pullet housed also includes feed consumed during the growing period.

SIXTH TEXAS RANDOM SAMPLE EGG PRODUCTION TEST LOCATED at Poultry Science Dept.
Texas A. & M. College
College Station, Texas

Date of Hatch February 24, 1959
No. of Entries 30

Final Quarter ending July 7, 1960

Below are listed the test entries by quartiles based on income from eggs and meat value of hens, less the cost of feed and chicks. Entries are listed alphabetically within quartiles. Keep in mind that these records represent one year's production for one test. In choosing a strain, chick buyers may want to combine this information with comparable information from other Random Sample tests before making a final decision.

Breeder's Name	% Prod. Hen-Day Basis To Date	% of Eggs Large or Above To Date	% Laying House Mortality To Date	Lbs. Feed / 24 oz. of Eggs To Date	Quartile
Atwood	65.3	82.3	4.2	4.2	1
DeWitt	60.6	85.0	16.7	4.2	1
DeWitt	62.2	86.2	12.5	4.2	1
Erath	59.2	87.9	10.4	4.2	1
Kazmeier	60.4	88.0	4.2	4.1	1
Kimber	61.7	85.1	12.5	4.4	1
Swift	63.1	80.7	8.3	4.3	1
Western	61.3	89.5	14.6	4.3	1
D & C	60.2	81.4	20.8	4.4	2
DeKalb	60.9	79.1	12.5	4.3	2
Golden Oak	60.8	84.5	16.7	4.4	2
Ray McDonald	57.6	86.5	12.5	4.5	2
Vance	60.9	71.6	4.2	4.4	2
Von Minden	65.3	75.5	18.8	4.4	2
Williams	60.8	77.3	16.7	4.3	2
Wilson	59.6	83.7	10.4	4.1	2
Colonial	60.7	80.1	22.9	4.4	3
Ghostley	61.2	83.6	25.0	4.4	3
Grigsby	58.1	81.9	14.6	4.4	3
Hy-Lay	60.6	85.4	14.6	4.1	3
Ideal	56.2	81.3	12.5	4.5	3
M & S	59.0	81.7	10.4	4.4	3
Roy McDonald	58.1	83.8	18.8	4.6	3
Ames	58.0	70.7	16.7	4.9	4
Chemell	57.5	82.1	18.8	4.5	4
Colonial	55.9	79.7	31.3	4.9	4
Cornell	58.5	75.9	10.4	4.7	4
Roy	54.5	86.4	8.3	4.8	4
Flinn	58.1	83.1	20.8	4.5	4
Imperial	53.0	66.9	6.3	4.6	4
Average	59.6	81.6	14.2	4.4	

EGG PRODUCTION EFFICIENCY DATA (1959-1960)

ENTRY	TOTAL EGGS LAID	EX.LG. A	LG. A	LG. B	MED. A	SM. A	MED. & SM. B ALL C	PEE WEE	CHEX	MEAT & BLOOD SPOTS	LAYING HOUSE FEED CONSUMPTION MASH	PER BIRD HEN DAY	LBS/ 24 oz EGGS
1	8961	3072	3027	74	1537	648	217	263	64	59	3780	85.6	4.9
2	10560	3865	4753	48	1407	260	34	81	23	89	3812	82.5	4.2
3	8409	3518	3325	34	1095	225	50	54	58	50	3295	78.9	4.5
4	8882	3547	3520	14	1346	205	45	75	62	68	3415	81.7	4.4
5	7498	2828	3060	51	1013	258	60	47	73	108	3176	82.9	4.9
6	9338	2870	4146	31	1712	264	53	74	84	104	3725	81.7	4.7
7	8966	3355	3880	26	1244	261	67	105	7	21	3455	81.2	4.4
8	9869	4068	3689	44	1561	349	7	93	9	49	3734	80.6	4.3
9	9379	4046	3852	29	1102	168	48	38	49	47	3435	77.7	4.2
10	9709	4403	3870	28	961	191	99	34	20	103	3589	80.5	4.2
11	8735	4354	3070	83	821	168	74	21	108	36	3772	82.4	4.8
12	9309	4432	3707	-	863	126	45	36	6	94	3499	77.9	4.2
13	8389	3598	3327	32	1059	193	15	69	28	68	3289	79.7	4.5
14	8873	3451	3866	44	1136	184	64	47	28	53	3444	83.1	4.4
15	9128	3539	4081	37	979	242	81	39	47	83	3474	81.0	4.4
16	9175	3547	3847	113	1176	261	22	161	34	14	3496	77.5	4.4
17	10097	5423	3401	39	823	211	31	89	24	56	3729	78.1	4.1
18	8887	3726	3421	70	1166	218	30	138	27	91	3538	78.3	4.5
19	8783	1943	3797	107	2055	478	31	171	46	155	3375	71.3	4.6
20	9566	5428	2678	39	971	229	42	111	19	49	3564	79.0	4.1
21	9743	4665	3520	34	982	169	100	105	67	101	3781	83.7	4.4
22	9527	4315	3410	40	1253	245	22	122	22	98	3730	80.9	4.4
23	9291	4867	3060	55	926	161	85	39	56	42	3741	81.2	4.5
24	9126	4441	3186	8	1069	142	42	71	50	117	3704	82.5	4.6
25	10283	4046	4184	45	1376	323	42	76	122	69	3841	82.5	4.3
26	10013	2029	5053	24	2115	309	85	232	42	124	3707	78.9	4.4
27	9666	3765	3355	74	1475	486	125	229	120	37	3718	87.9	4.4
28	9682	5559	3045	6	683	197	54	46	38	54	3764	83.4	4.3
29	9526	2496	4757	73	1646	324	52	102	29	47	3493	78.0	4.3
30	9586	4549	3433	8	1208	213	30	80	7	58	3536	76.9	4.1
Avg.	9298	3857	3643	44	1226	257	58	95	46	72	3587	80.5	4.4

EGG PRODUCTION DATA FINAL REPORT 1959-1960

ENTRY	DAYS TO 50% PRODUCTION	MONTHLY HEN-DAY PRODUCTION IN PERCENT													EGGS/BIRD	
		JULY	AUG.	SEPT.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AVG.	HEN HOUSED	HEN DAY
1	165	37.5	64.8	71.9	70.8	69.3	64.5	58.0	53.2	55.6	52.8	53.4	48.2	47.9	58.0	187	203
2	174	19.7	71.4	78.3	78.6	75.4	71.1	68.6	63.7	64.4	67.6	63.5	61.9	64.6	65.3	220	229
3	180	19.7	58.2	73.0	71.1	63.6	66.2	62.6	57.6	52.8	55.6	59.7	54.0	50.4	57.5	175	201
4	183	15.6	54.6	73.5	75.7	69.5	68.4	68.5	66.6	60.9	59.9	62.3	61.0	53.1	60.7	185	212
5	187	15.9	50.7	74.1	74.3	70.1	62.8	61.8	55.3	55.3	55.9	55.8	54.0	51.7	55.9	156	196
6	183	10.2	56.1	76.7	76.0	72.6	69.6	61.3	56.8	52.9	60.7	56.7	53.5	50.0	58.5	195	205
7	180	18.9	63.1	73.2	76.9	75.0	68.8	63.7	55.2	55.8	59.3	60.1	58.2	55.5	60.2	187	211
8	172	27.8	69.5	74.9	70.6	66.4	63.1	64.0	60.1	60.0	63.6	59.7	54.4	52.2	60.9	206	213
9	186	11.5	50.3	70.1	70.3	71.7	73.4	70.0	61.9	61.2	65.0	64.3	62.5	61.0	60.6	195	212
10	181	12.0	52.2	73.1	76.1	72.8	73.7	70.0	67.0	65.9	66.1	61.7	60.8	59.5	62.2	202	218
11	180	18.2	57.7	72.0	71.0	66.7	63.2	57.6	54.8	47.9	51.1	47.7	49.1	44.2	54.5	182	191
12	184	12.3	49.4	71.6	74.3	72.3	70.8	65.8	60.2	56.2	58.1	64.8	60.6	53.2	59.2	194	207
13	186	9.6	50.3	70.6	74.0	71.0	69.7	65.4	64.0	59.9	58.7	58.7	55.4	49.8	58.1	175	203
14	183	11.5	51.4	73.5	78.7	72.8	71.8	69.0	68.0	65.7	64.5	63.1	57.1	49.8	61.2	185	214
15	182	9.9	57.9	68.9	75.3	76.3	74.2	71.7	65.3	59.7	57.1	60.7	59.0	55.9	60.8	190	213
16	176	26.2	64.8	67.8	68.3	65.9	65.2	63.4	56.9	51.0	54.5	58.0	57.0	54.7	58.1	191	203
17	176	22.0	61.1	70.5	71.1	74.1	70.2	65.7	62.4	59.5	58.9	55.7	55.3	55.8	60.4	210	211
18	176	21.0	65.5	74.8	71.4	68.5	61.9	56.5	55.0	50.8	46.8	54.0	49.3	48.8	56.2	185	197
19	184	15.6	48.9	71.7	68.4	65.6	59.8	57.1	52.4	45.7	51.7	52.7	49.9	46.0	53.0	183	186
20	174	25.8	70.2	75.0	73.6	69.9	67.5	62.7	60.6	58.6	55.7	55.9	55.5	52.3	60.6	199	212
21	175	21.7	63.1	76.0	75.7	71.0	66.9	63.1	61.5	61.0	63.3	61.4	58.2	56.6	61.7	203	216
22	173	26.1	63.7	70.4	72.3	66.0	60.8	60.9	58.6	58.3	61.8	58.9	53.6	54.1	59.0	199	207
23	181	14.3	50.9	73.4	73.0	66.1	62.8	61.9	57.0	56.2	56.9	57.1	58.1	54.4	57.6	194	202
24	183	13.8	55.6	76.8	70.5	69.0	70.4	64.8	60.1	58.5	60.1	52.9	47.9	48.7	58.1	190	203
25	180	12.7	60.8	72.5	75.6	74.7	73.6	68.7	66.0	65.4	65.7	65.7	61.7	51.8	63.1	214	221
26	170	31.3	71.5	76.8	71.8	70.0	63.9	61.3	58.6	58.1	58.5	56.2	54.4	56.5	60.9	209	213
27	165	39.2	71.7	76.8	75.7	74.1	71.9	68.8	65.4	64.1	63.7	58.4	59.1	56.4	65.3	201	229
28	171	27.2	65.4	76.3	74.9	68.7	67.8	63.4	60.1	60.6	57.6	57.1	58.7	53.5	61.3	202	215
29	173	24.3	67.9	76.9	71.9	70.1	64.0	63.6	65.9	61.7	54.9	57.4	53.8	50.2	60.8	199	213
30	180	15.9	59.5	72.4	72.1	70.3	69.6	65.3	61.8	58.3	60.7	59.0	55.4	52.8	59.6	200	209
Avg.	178	19.6	59.9	72.0	73.1	70.3	67.5	64.1	60.4	57.9	58.9	58.4	55.9	53.1	59.6	194	209

EGG QUALITY DATA 1959-1960

Entry	BREAKOUT NO. 1 (October, 1959) Haugh Units	Bl. Spots % Lg.	Bl. Spots % Sm.	Meat Spots % Lg.	Meat Spots % Sm.	Shell Thickness	BREAKOUT NO. 2 (January, 1960) Haugh Units	Bl. Spots % Lg.	Bl. Spots % Sm.	Meat Spots % Lg.	Meat Spots % Sm.	Shell Thickness	BREAKOUT NO. 3 (March, 1960) Haugh Units	Bl. Spots % Lg.	Bl. Spots % Sm.	Meat Spots % Lg.	Meat Spots % Sm.	Shell Thickness
1	84.2	-	-	-	-	14.4	78.4	-	.04	-	-	14.5	77.7	-	.04	-	-	13.7
2	90.8	-	-	-	-	13.4	86.0	.03	-	-	-	15.1	85.9	.03	-	-	-	14.1
3	87.2	-	-	-	-	14.5	83.5	-	-	-	-	15.1	84.5	.04	-	-	-	14.7
4	89.1	.03	.03	-	-	14.4	82.1	-	-	-	-	15.2	86.5	-	-	.04	-	14.5
5	88.6	.03	-	-	-	15.0	83.3	-	.09	-	-	14.9	83.3	.04	.12	-	-	13.4
6	86.8	.02	.02	-	-	14.2	82.5	.09	.03	-	-	14.9	80.0	-	.06	-	.06	13.9
7	86.3	.03	-	-	-	14.9	83.9	-	-	-	-	14.9	83.6	-	-	-	-	14.6
8	85.9	.03	-	-	-	14.6	82.7	-	.04	-	-	14.9	82.8	-	.07	-	-	14.4
9	87.1	-	-	-	-	14.6	79.8	-	-	-	-	15.0	82.7	.03	-	-	-	14.3
10	86.9	-	-	.03	-	15.0	81.7	-	-	-	-	14.5	81.4	-	.04	-	-	14.5
11	89.1	-	-	-	-	14.3	81.8	-	-	-	-	15.1	86.3	-	-	-	-	14.6
12	87.4	-	-	-	-	14.8	82.6	.07	.07	-	-	14.8	84.5	-	.04	.04	-	14.7
13	85.7	-	-	-	-	14.4	80.0	-	-	-	-	15.0	82.0	-	-	-	-	14.3
14	88.9	-	-	.03	-	15.2	83.2	.10	.07	-	-	15.4	83.7	.04	-	-	-	14.2
15	85.7	-	-	-	-	14.8	79.2	-	.03	-	-	14.3	81.4	-	-	-	-	14.4
16	88.4	-	.03	-	-	15.0	84.5	.03	-	-	-	14.9	84.9	-	-	-	-	14.0
17	84.2	-	-	-	-	14.6	75.3	-	-	-	-	14.8	79.3	-	-	-	-	14.2
18	85.8	-	.03	-	-	14.8	81.6	.05	.10	-	-	15.4	81.7	.10	.05	-	-	14.5
19	82.2	.06	.03	-	-	14.8	78.5	.07	-	-	-	14.7	75.3	-	.05	-	-	14.3
20	81.7	-	.05	-	-	14.8	75.4	-	-	-	-	14.4	80.2	.05	-	.04	-	14.2
21	90.9	-	-	-	-	15.1	86.5	-	.04	-	-	15.0	85.9	-	-	-	-	14.5
22	87.4	-	-	.03	-	14.9	82.2	-	.03	-	-	15.2	84.1	-	.11	-	.04	14.5
23	87.2	-	-	-	-	14.4	84.5	-	-	-	-	15.0	84.2	-	.04	-	-	13.8
24	86.5	.06	.03	-	-	15.1	82.0	-	.03	-	-	15.5	84.6	-	.04	-	-	14.3
25	85.0	-	-	-	-	15.1	79.4	-	-	-	-	15.2	80.4	-	.04	-	-	14.4
26	86.7	.03	-	.05	-	14.7	79.0	.04	-	-	-	15.2	82.4	.04	-	-	-	14.0
27	84.2	-	-	-	-	14.5	76.5	-	-	-	-	15.0	76.2	-	.04	.04	-	14.4
28	88.1	-	-	.08	-	15.4	82.4	.04	.07	-	-	14.9	84.4	.04	-	-	-	14.4
29	87.1	.03	-	-	-	14.5	83.4	-	-	-	-	14.6	83.8	-	-	-	-	13.7
30	82.6	-	-	-	-	15.0	80.2	-	.03	-	-	14.7	79.2	.04	-	-	-	13.9
Avg.	86.6	.01	.01	.01	-	14.7	81.5	.02	.02	-	-	14.9	82.5	.01	.03	.01	.01	14.3

MORTALITY BY PERIODS (Feb. 24, 1959 - July 7, 1960) — Avg. Body Weights (Days)

	Growing Period (Days)*			Laying Period (Days)**					
	1-70	71-150	Tot.	151 - 500	Tot.				
Entry	No.	No.	%	No.	%	70	150	328	500
1	2	3	5.6	8	16.7	2.04	3.70	4.86	5.03
2	1	-	1.1	2	4.2	1.78	3.26	4.28	4.64
3	2	2	4.4	9	18.8	1.75	3.04	3.78	4.27
4	2	-	2.2	11	22.9	1.85	3.24	4.34	4.72
5	1	2	1.1	15	31.3	1.75	3.10	4.33	4.82
6	3	-	3.3	5	10.4	1.83	3.23	4.40	4.57
7	-	3	3.3	10	20.8	1.84	3.17	4.12	5.00
8	1	-	1.1	6	12.5	1.87	3.32	4.38	4.65
9	3	-	3.3	8	16.7	1.67	2.95	3.95	4.13
10	2	1	2.2	6	12.5	1.72	2.99	4.01	4.47
11	2	2	4.4	4	8.3	1.76	3.07	4.20	4.37
12	1	1	2.2	5	10.4	1.73	2.97	4.06	4.35
13	-	2	2.2	10	20.8	1.81	3.02	4.14	4.57
14	1	-	1.1	12	25.0	1.85	3.18	4.22	4.57
15	1	-	1.1	8	16.7	1.84	3.15	4.35	4.75
16	1	-	1.1	7	14.6	1.96	3.41	4.37	4.78
17	1	1	1.1	2	4.2	1.90	3.06	3.99	4.29
18	1	-	1.1	6	12.5	1.88	3.24	4.08	4.66
19	7	1	8.9	3	6.3	1.82	3.19	4.27	4.64
20	1	-	1.1	7	14.6	1.81	3.07	4.01	4.17
21	1	4	5.6	6	12.5	1.96	3.33	4.46	4.84
22	-	1	1.1	5	10.4	1.97	3.46	4.55	4.74
23	2	1	3.3	6	12.5	1.74	3.04	4.20	4.68
24	1	-	1.1	9	18.8	1.81	3.08	4.11	4.80
25	1	-	1.1	4	8.3	1.82	3.17	4.49	4.70
26	-	1	1.1	2	4.2	1.77	3.08	4.29	4.61
27	2	-	2.2	9	18.8	2.10	3.82	4.96	5.36
28	2	2	4.4	7	14.6	1.94	3.29	4.32	4.75
29	1	-	1.1	8	16.7	1.80	3.19	4.23	4.59
30	-	-	-	5	10.4	1.77	2.91	3.90	4.11
AVG.	1.4	.9	2.6	6.8	14.2	1.84	3.19	4.25	4.61

* Ninety pullet chicks were started for each entry.

** Forty-eight pullets for each entry were randomly placed in cages at 150 days.

BROODER HOUSE MORTALITY 1 - 150 DAYS OF AGE

1959 - 1960

ENTRY	PNEUMONIA	HEMORRHAGIC ANEMIA	COCCIDIOSIS	CAGE FAT.	C.R.D.	VISCERAL LEUCOSIS	NEURAL LEUCOSIS	ENTERITIS	UNDETERMINED
1				1					1
2									1
3									1
4									
5				1					2
6					1		1		
7					1				
8					1				
9		1	1						
10									1
11				1					1
12					1	1			
13				1					
14		1							
15									
16									
17	1								
18									
19	1	1							
20								1	
21		1			1	1			
22									
23									
24									
25									
26									
27									
28				1	2				
29									
30									
TOTAL	2	4	1	5	7	2	1	1	7

Birds that died during the first 25 days of the test were cultured but the causes of mortality are not reported on this page.

PRIMARY CAUSES OF MORTALITY 150 - 500 DAYS OF AGE

1959 - 1960

ENTRY	LEUCOSIS VISC.	LEUCOSIS NEUR.	FATTY LIVER	CAGE FAT.	REPROD. DISORDER	INTERNAL HEMORRHAGE	HEAT PROSTRATION	C. R. D.	UNDETERMINED	NOT CULTURED
1	4			1	1	1			1	
2					2					
3	1			3	3				2	
4	7		1						1	2
5	8		3		1	1			2	
6	3		1						1	
7	8			1					1	
8	2						1		2	1
9	5			1		1			1	
10	4								2	
11	3								1	
12	3		1						1	
13	6			1					2	1
14	8	1			2				1	
15	3			3			1			1
16	4			1				1	1	
17	1								1	
18	5						1			
19	2				1					
20	4			1	1					1
21	2				2		1		1	
22	1			1	1				2	
23	1		1					2	1	1
24	4	1	1						1	2
25	1						1		1	1
26					1				1	
27	5		1	1					2	
28	5								2	
29	5								2	1
30	3			2						
TOTAL	108	2	9	16	15	3	5	3	33	11

PRICES USED IN COMPUTATION
(Cents Per Dozen)

PERIOD	FEED COST/ CWT.	Ex. Lg. & Lg. A.	Lg. B	Med. A	Sm. A	Med & Small B's & all C's	Pee Wees	Chex	Meat & Blood Spots
July '59	$3.83	.310	.230	.220	.160	.150	.100	.080	No value
Aug.	3.50	.329	.237	.227	.162	.150	.100	.080	No value
Sept.	3.46	.337	.227	.243	.187	.160	.100	.080	No value
Oct.	3.45	.313	.253	.246	.163	.170	.100	.080	No value
Nov.	3.45	.313	.250	.253	.183	.170	.100	.080	No value
Dec.	3.45	.330	.260	.260	.180	.170	.100	.080	No value
Jan. '60	3.45	.290	.233	.233	.170	.170	.100	.080	No value
Feb.	3.65	.270	.230	.230	.200	.170	.100	.080	No value
March	3.65	.313	.270	.270	.210	.170	.100	.080	No value
April	3.65	.310	.230	.260	.180	.170	.100	.080	No value
May	3.65	.315	.275	.275	.210	.180	.100	.080	No value
June	3.65	.327	.260	.273	.180	.180	.100	.080	No value
July	3.65	.330	.270	.280	.180	.160	.100	.080	No value
Average	$3.57	.314	.248	.252	.182	.167	.100	.080	-

TEXAS RANDOM SAMPLE EGG PRODUCTION TEST DIETS

INGREDIENT	STARTER	GROWER	LAYING
Ground Milo	778½	975	985
Ground Yellow Corn	400	400	400
Soybean Oil Meal (44%)	500	315	225
Poultry By-products Meal	80	40	100
Distillers Dried Solubles	40	40	40
Dehydrated Alfalfa Meal	70	100	60
Oyster Shell Flour	30	30	85
Defluorinated Rock Phosphate (19%)	40	40	50
Salt	10	10	5
Manganese Sulfate	½	½	½
Sulfaquinoxaline (25% premix)	1 1/5	-	-
Vitamin Antibiotic Supplement	50(1)	50(1)	50(2)
Poultry Oil	-	-	40
	2000 1/5	2000½	2040½

VITAMIN ANTIBIOTIC SUPPLEMENT

	(1) Contains Lbs.	(2) Contains Lbs.
Dry Fish Solubles (100% Equivalent)	20	20
Delactosed Whey Products (DLW)	10	10
Fermentation Product (OMAFAC)	5	5
Choline Chloride (25%)	4	4
Dry Stable Vit. A. (10,000 IU/gm.)	1	1
Dry Vit. D_3 (3000 ICU/gm.)	1	1
Methionine	½	-
3-Nitro, 4-Hydroxyphenylarsonic Acid	60 gms.	-
B-vit-Antibiotic Concentrate	1	1
Soybean Oil Meal (44%)	7½	8
	50	50

SIXTH TEXAS RANDOM SAMPLE EGG PRODUCTION TEST

COLLEGE STATION, TEXAS

ENTRY NO.	ENTRANT'S NAME, ADDRESS AND TYPE OF ENTRY	COST*
1	Ames In-Cross, 504½ Grand Ave., Des Moines, Iowa, IBX, Ames #424	.490
** 2	Atwood Hatchery, Box 86, Comanche, Texas, H & N Nick Chick, W.L.	.460
3	Chemell's Hatchery, Inc., Box 368, Joaquin, Texas, Demlerchix	.360
4	Colonial Poultry Farms, Pleasant Hill, Missouri, True-Line #365, W.L.	.440
5	Colonial Poultry Farms, Box 540, Sweetwater, Texas, True-Line #365, W.L.	.440
6	Cornell Randombred, Cornell Univ., Ithaca, New York, Randombred	.420
7	D & C Hatchery, Box 111, Hamilton, Texas, Ideal H-3-W, W.L.	.420
8	DeKalb Agricultural Assoc., Inc., Sycamore, Illinois, DeKalb #131, IBX	.570
9	DeWitt's Texas Hatchery, Nacogdoches, Texas, Babcock Bessies, W.L.	.420
10	DeWitt's Texas Hatchery, Waxahachie, Texas, Babcock Bessies, W.L.	.420
11	Eby's Poultry Farm, Route 1, Box 192, Carrollton, Texas, Strain X, W.L.	.350
12	Erath Egg Farm, Box 613, Stephenville, Texas, Erath Strain X, W.L.	.370
13	Flinn's Hatchery, Route 1, Box 207S, San Antonio, Texas, Honegger Layers WL.	.450
14	Ghostley's Poultry Farm, Anoka, Minn., Ghostley Pearl, Strain X, W.L.	.430
15	Golden Oak Hatchery, Box K, DeLeon, Texas, Ideal H-3-W, W.L.	.420
16	Grigsby's Hatchery, Box 65, Georgetown, Texas, DeKalb #101, IBX	.570
17	Kazmeier Hatchery, Box 791, Bryan, Texas, Hy-Line #934C, IBX	.585
18	Ideal Hatchery & Poultry Farm, Box 710, Cameron, Texas, Ideal H-3-W, W.L.	.420
19	Imperial Farms, Inc., Box 457, Ottumwa, Iowa, Strain Cross Hybrid #389A,W.L.	.446
20	Hy-Lay Hatcheries, Inc., Box 1111, Bryan, Texas Hy-Line #934C, IBX	.585
21	Kimber Farms, Inc., Box 8, Niles, California, K-137, W.L.	.480
22	M & S Hatchery, Box 1222, Jacksonville, Texas, DeKalb #101, IBX	.570
23	Raymond McDonald Hatchery, Box 1665, Ft. Worth, Texas, Strain Cross, W.L.	.340
24	Roy McDonald Hatchery, Box 4275, Dallas, Texas, Strain Cross, W.L.	.350
25	Swift and Company Hatchery, Box 752, Taylor, Texas, Sky-Hi #316, W.L.	.400
26	Vance Hatchery, Box 99, Shallowater, Texas, H & N Nick Chick, W. L.	.460
**27	Von Minden's Hatchery, Box 44, Fayetteville, Texas, Ames In-Cross #434,IBX	.400
28	Western Hatcheries, 1407 N. Industrial Blvd., Dallas, Texas, K-137, W.L.	.480
29	Williams Poultry Farm, Denison, Texas, Box 302, H&N Nick Chick, W. L.	.460
30	Wilson Poultry Farm & Hatchery, Box 88, Clyde, Texas, Hy-Line #934C, IBX	.585

* - Per pullet-chick cost in 1,000 lots at hatch date.

** - Hatching eggs to produce the chicks for these entries came from the breeders' farms. Atwood's eggs came from Kirkland, Washington, and Von Minden's came from Iowa.