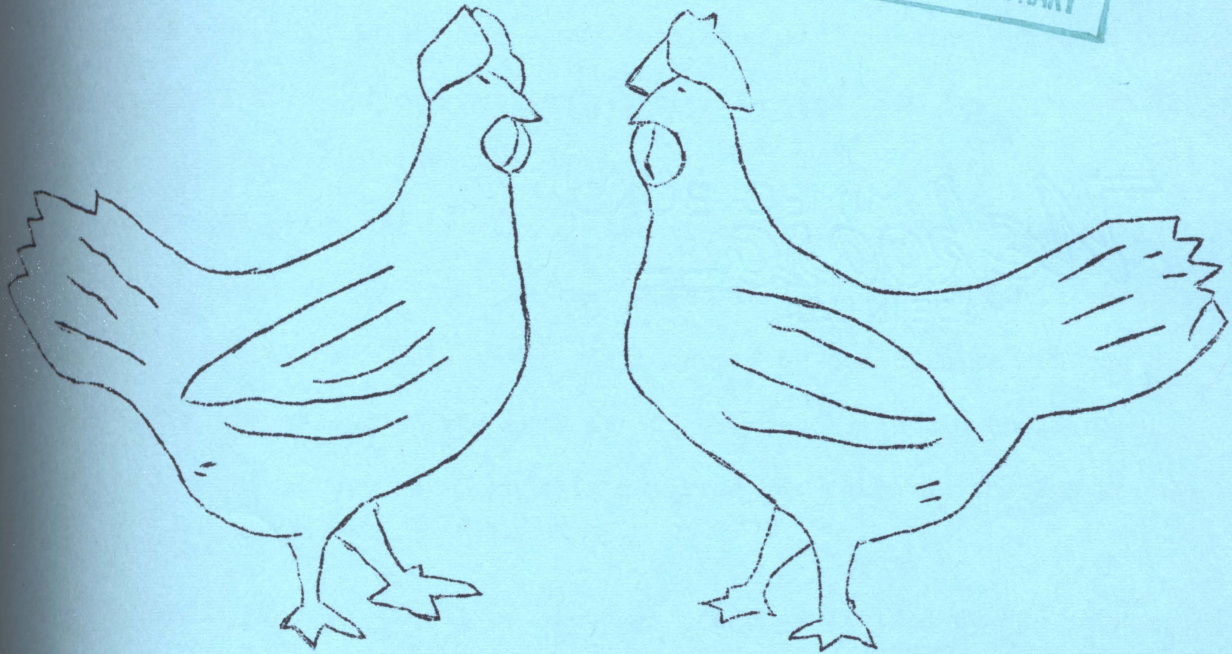


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FINAL REPORT
SEVENTH TEXAS RANDOM SAMPLE
EGG PRODUCTION TEST
March 1, 1960 - July 13, 1961

UNIVERSITY OF ARKANSAS
AUG 28 1961
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RANDOM SAMPLE TESTS

THE AGRICULTURAL AND MECHANICAL COLLEGE OF TEXAS
TEXAS AGRICULTURAL EXPERIMENT STATION

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

GLOSSARY OF TERMS USED IN THE SEVENTH 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, 1961, and at the completion of the 500 day Test period (July 14, 1961).

BLOOD SPOTS - LARGE: Bright red spots 1/8" or larger in size detected when eggs were broken for egg quality score. All eggs laid one day each 28 day period were used for this purpose.

BLOOD SPOTS - SMALL: Bright red spots less than 1/8" in size detected when eggs were broken for egg quality score. All eggs laid one day each 28 day period were used for this purpose.

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% or greater on two 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: Number of extra large A, large A, large B, medium A, small A, medium and small B's and all C's, Pee Wees, 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, 27 oz. per dozen or over; large, 24-27 oz.; medium, 21-24 oz.; small 18-21 oz.; and pee wees, below 18 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 based on body weight. The formula being - average body weight for a given entry divided by average body weight per pullet for all entries x the average feed consumed per bird for all entries.

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

HEN-DAY EGGS PER BIRD TO DATE: Accumulated 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 all hens alive at the end of the test, excluding rejects, was based on eight (8) cents per pound body weight.

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 September, December, March and June, 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.

INCOME DATA (1960-1961)

Entry	Hens At End Of Test	Value of Eggs Per Pullet		Value of Meat Per Pullet		Total Income/ Chick Cost		Laying House Feed Cost/ Pullet*	Total Cost/ Pullet	Income Over Feed & Chick Incl. Meat Value
		Total	Housed	Total	Housed	Housed			Housed	
Ames 37	\$292.82	\$6.100	\$15.162	\$.316	\$6.416	\$.490	\$3.319	\$3.809	\$2.607	
Ar.Acres 43	297.68	6.202	14.842	.309	6.511	.440	3.166	3.606	2.905	
Atwood 42	317.51	6.615	16.342	.340	6.955	.460	3.404	3.864	3.091	
Brender 44	305.62	6.367	15.583	.325	6.692	.380	3.347	3.727	2.965	
Cashman 40	317.05	6.605	15.110	.315	6.920	.450	3.228	3.678	3.242	
Colonial 38	257.44	5.363	12.834	.267	5.630	.440	2.916	3.356	2.274	
Cornell 44	306.93	6.394	16.826	.351	6.745	.420	3.329	3.749	2.996	
D & C 39	306.35	6.382	14.423	.300	6.682	.380	3.222	3.602	3.080	
DeKalb 42	292.36	6.091	15.364	.320	6.411	.560	3.173	3.733	2.678	
Demler 44	319.77	6.662	17.766	.370	7.032	.360	3.461	3.821	3.211	
DeWitt 46	329.48	6.864	16.546	.345	7.209	.440	3.345	3.785	3.424	
DeWitt 43	309.36	6.445	15.051	.314	6.759	.440	3.227	3.667	3.092	
Ecy 45	296.20	6.171	16.128	.336	6.507	.350	3.179	3.529	2.978	
Erath 48	333.17	6.941	17.014	.354	7.295	.370	3.379	3.749	3.546	
Flinn 41	300.94	6.270	14.698	.306	6.576	.450	3.236	3.686	2.890	
Ghostley 39	297.98	6.208	14.917	.311	6.519	.460	3.211	3.671	2.848	
G. Oak 43	323.54	6.740	15.269	.318	7.058	.380	3.312	3.692	3.366	
Grigsby 46	318.40	6.633	15.972	.333	6.966	.560	3.338	3.898	3.068	
Hy-Lay 47	354.70	7.390	15.123	.315	7.705	.585	3.415	4.000	3.705	
Ideal 42	320.31	6.673	14.566	.303	6.976	.380	3.223	3.603	3.373	
Kazmeier 46	345.27	7.193	15.642	.326	7.519	.585	3.367	3.952	3.567	
Kimber 44	321.19	6.692	16.997	.354	7.046	.460	3.511	3.971	3.075	
P.Grad. 46	316.83	6.601	17.294	.360	6.961	.560	3.368	3.928	3.033	
Schaible 42	295.68	6.160	14.814	.309	6.469	.390	3.233	3.623	2.846	
Swift 44	344.57	7.179	16.671	.347	7.526	.400	3.519	3.919	3.607	
Vance 47	335.85	6.997	16.601	.346	7.343	.460	3.309	3.769	3.574	
VonMind. 44	297.98	6.208	16.186	.337	6.545	.400	3.410	3.810	2.735	
Western 43	337.81	7.038	15.933	.332	7.370	.460	3.422	3.882	3.488	
Williams 44	326.47	6.801	15.902	.331	7.132	.460	3.281	3.741	3.391	
Wilson 48	361.30	7.527	16.977	.354	7.881	.585	3.453	4.038	3.843	
AVERAGE 43	\$316.01	\$6.584	\$15.752	\$.328	\$6.912	\$.452	\$3.310	\$3.762	\$3.150	

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

SEVENTH TEXAS RANDOM SAMPLE EGG PRODUCTION TEST LOCATED AT TEXAS A. AND M. COLLEGE
COLLEGE STATION, TEXAS

Date of Hatch March 1, 1960
No. of Entries 30

Final Quarter Ending July 13, 1961

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
Erath	64.1	75.6	-	4.0	1
Hy-Lay	69.0	69.6	2.1	3.8	1
Kazmeier	65.9	77.1	4.2	3.8	1
Swift	67.5	78.7	8.3	4.0	1
Vance	66.2	66.6	2.1	4.0	1
Western	66.1	74.8	10.4	4.0	1
Wilson	68.9	75.4	-	3.7	1
Cashman	68.9	60.6	16.7	4.0	2
Demler	64.4	69.3	8.3	4.2	2
DeWitt #1	67.3	63.1	4.2	4.0	2
Golden Oak	64.7	74.9	10.4	4.0	2
Ideal	64.9	75.4	12.5	3.9	2
Williams	65.3	68.2	8.3	4.0	2
Arbor Acres	60.0	70.4	10.4	4.2	3
Atwood	63.4	72.9	12.5	4.2	3
Breuder	59.4	78.3	8.3	4.4	3
Cornell	61.4	64.5	8.3	4.4	3
D & C	62.8	73.3	18.8	4.1	3
DeWitt #2	64.6	60.8	10.4	4.0	3
Eby	62.7	63.3	6.3	4.1	3
Flinn	60.8	73.5	14.6	4.2	3
Grigsby	62.0	73.5	4.2	4.1	3
Kimber	63.1	71.3	8.3	4.3	3
Pierson-Crad.	62.3	76.6	4.2	4.1	3
Ames	63.8	61.0	22.9	4.4	4
Colonial	58.4	55.8	20.8	4.4	4
DeKalb	60.9	66.5	12.5	4.2	4
Ghostley	64.4	74.0	18.8	4.2	4
Schaible	60.1	72.3	12.5	4.4	4
Von Minden	58.7	75.6	8.3	4.5	4
AVERAGE	63.8	70.5	9.7	4.1	

EGG PRODUCTION EFFICIENCY DATA (1961-1962)

Entry	Total Eggs Laid	Ex. Lg. A	Lg. A	Lg. B	Med. A	Sm. A	Med. & Sm. B.		Pee Wee	Chex	Meat & Blood Spots	Laying House Feed Consumption		
							All	C				Mash	Per Bird Hen Day	Lbs/24oz. Eggs
1	9686	2381	3801	52	2120	889	99		222	87	35	3612	83.3	4.4
2	9551	2660	4069	--	1899	666	34		68	50	105	3469	76.2	4.2
3	10104	4370	3000	67	1903	523	53		95	42	51	3766	82.7	4.2
4	9552	4280	3200	92	1428	346	43		60	29	74	3740	81.4	4.4
5	10460	1870	4470	7	2967	397	53		83	54	59	3561	82.1	4.0
6	8593	1299	3492	13	2670	773	24		116	28	178	3142	74.8	4.4
7	10055	2009	4477	73	2329	825	42		97	73	130	3720	79.6	4.4
8	9808	3428	3749	27	1779	494	15		105	63	148	3543	79.4	4.1
9	9640	2931	3472	15	2096	829	7		182	22	86	3457	76.4	4.2
10	10418	3248	3975	46	2045	702	86		184	20	112	3834	82.9	4.2
11	10921	2621	4206	150	2610	927	67		190	75	75	3712	80.0	4.0
12	10416	2048	4239	112	2647	881	13		142	89	245	3600	78.1	4.0
13	10017	2264	4071	14	2266	921	9		210	21	241	3484	76.3	4.1
14	10771	3730	4391	52	1681	515	58		76	43	225	3798	79.1	4.0
15	9604	3673	3376	21	1816	487	15		89	23	104	3570	79.0	4.2
16	9515	3272	3771	2	1684	567	17		110	34	58	3527	83.6	4.2
17	10379	3891	3880	4	1771	548	7		90	44	144	3644	79.5	4.0
18	10323	3623	3918	112	1713	701	53		97	27	79	3715	78.1	4.1
19	11571	3795	4232	63	2277	1000	61		103	14	26	3822	79.8	3.8
20	10178	3880	3778	17	1698	562	32		97	58	56	3560	79.4	3.9
21	11025	4752	3721	38	1687	589	60		86	56	36	3755	78.6	3.8
22	10396	3872	3540	7	1914	773	7		147	51	85	3941	83.7	4.3
23	10171	4148	3631	46	1579	497	22		126	29	93	3731	80.0	4.1
24	9384	3059	3708	17	1838	583	20		64	22	73	3587	80.4	4.4
25	10991	5266	3329	97	1572	356	47		52	54	218	3961	85.2	4.0
26	10908	2323	4922	60	2616	783	41		90	45	28	3682	78.2	4.0
27	9583	3612	3624	27	1511	586	9		113	18	83	3811	81.7	4.5
28	10766	4045	3965	25	1950	557	29		104	15	76	3816	82.1	4.0
29	10548	2711	4431	111	2339	657	90		82	45	82	3647	79.0	4.0
30	11581	4836	3895	35	1951	650	43		100	18	53	3863	80.5	3.7
Avg.	10231	3330	3878	47	2012	669	38		113	42	102	3690	80.0	4.1

EGG PRODUCTION DATA FINAL REPORT 1960-1961

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	171	32.0	74.9	75.7	74.6	69.7	70.4	63.6	62.0	62.4	63.6	63.2	58.0	55.1	63.8	201.8	223.5
2	181	18.7	60.3	76.2	74.8	69.3	70.8	65.3	62.9	60.6	57.2	56.8	54.5	43.0	60.0	199.0	209.9
3	172	27.4	68.8	75.9	77.9	75.4	71.7	65.6	67.5	60.3	58.2	60.5	57.7	51.7	63.4	210.5	221.9
4	177	18.3	64.4	75.5	76.9	74.0	68.5	58.0	59.8	54.5	57.9	55.9	53.8	50.3	59.4	199.0	207.9
5	176	23.7	75.0	81.3	83.9	82.7	74.0	73.2	72.0	70.3	67.3	68.0	61.4	63.2	68.9	217.9	241.2
6	181	17.6	67.1	73.8	72.9	75.2	66.0	56.1	57.1	58.1	57.1	55.4	52.6	44.0	58.4	179.0	204.5
7	178	17.3	61.4	75.4	75.1	77.4	72.8	68.2	65.2	59.3	57.8	60.0	53.1	49.0	61.4	209.5	215.1
8	175	25.0	74.2	77.1	74.8	73.3	68.4	62.3	64.2	59.2	56.5	59.3	58.6	60.7	62.8	204.3	219.7
9	170	31.8	67.4	71.9	70.6	68.7	62.4	60.2	62.2	59.1	59.0	57.3	61.8	58.7	60.9	200.8	213.1
10	177	24.9	69.1	75.4	77.5	72.6	74.0	68.3	67.1	65.3	62.9	60.6	59.0	57.6	64.4	217.0	225.4
11	170	34.0	77.2	77.0	79.4	77.9	76.0	71.7	67.9	67.2	65.5	62.5	57.4	54.3	67.3	227.5	235.4
12	177	23.4	68.5	77.1	75.8	74.0	67.9	66.8	67.9	68.1	62.9	65.1	60.4	57.4	64.6	217.0	226.1
13	171	32.3	72.1	74.6	74.0	70.6	61.7	59.1	63.2	64.3	64.0	61.2	59.0	55.9	62.7	208.7	219.4
14	181	21.9	64.0	74.9	77.8	72.8	72.4	66.5	67.3	62.7	63.9	64.1	62.6	60.9	64.1	224.4	224.4
15	185	14.3	58.3	74.3	74.8	73.9	66.0	62.7	64.5	65.7	61.0	60.6	57.4	53.3	60.8	200.1	212.6
16	177	22.3	70.0	76.4	76.2	76.9	72.5	70.1	71.3	66.9	61.2	60.1	56.5	58.1	64.4	198.2	225.5
17	171	28.7	73.9	74.6	75.8	75.1	69.2	62.1	64.3	62.7	63.1	66.0	63.0	59.5	64.7	216.2	226.5
18	171	28.1	69.4	68.6	69.2	71.9	67.9	62.4	62.6	58.1	57.5	63.4	64.1	63.2	62.0	215.1	216.9
19	169	36.8	80.1	75.8	79.4	78.1	75.1	70.6	70.8	68.3	66.9	65.6	65.7	59.1	69.0	241.1	241.6
20	169	35.1	75.3	78.3	78.0	76.2	69.4	63.0	63.8	60.5	60.6	60.2	61.6	57.0	64.9	212.0	227.0
21	173	27.2	72.0	74.5	74.1	76.7	74.0	69.3	68.6	65.8	62.9	66.8	61.9	60.0	65.9	229.7	230.7
22	167	34.8	76.2	75.2	75.5	73.4	68.4	58.4	60.9	62.8	59.6	57.6	58.6	53.0	63.1	216.6	220.8
23	173	32.1	68.6	72.1	71.7	67.7	66.8	63.5	62.3	62.1	62.7	60.7	61.2	56.2	62.3	211.9	218.2
24	178	21.0	67.2	78.7	76.8	74.2	69.2	60.0	60.1	55.7	52.8	53.4	54.1	53.9	60.1	195.5	210.2
25	176	21.0	68.8	80.0	80.4	78.9	75.2	73.1	71.0	66.8	65.3	68.3	65.3	61.2	67.5	229.0	236.3
26	172	29.5	77.3	79.3	78.0	75.2	71.4	67.9	69.4	66.3	65.0	60.7	60.0	55.9	66.2	227.3	231.6
27	179	14.5	68.2	66.4	66.6	67.4	63.5	57.1	60.6	60.2	60.2	59.8	60.5	59.6	58.7	199.6	205.6
28	171	29.0	78.1	79.4	79.6	76.8	71.0	63.7	64.3	67.2	65.7	63.0	59.1	59.3	66.1	224.3	231.5
29	169	35.4	73.7	77.5	79.6	76.8	69.8	63.6	60.6	64.4	63.5	61.9	60.5	56.3	65.3	219.8	228.5
30	169	34.2	74.6	77.2	77.5	76.1	76.8	73.2	70.4	70.7	68.8	68.0	63.8	60.6	68.9	241.3	241.3
AVG.	174	26.4	70.5	75.6	75.9	74.3	70.1	64.9	65.1	63.2	61.8	61.5	59.5	56.4	63.8	213.1	223.2

EGG QUALITY DATA 1960-1961

BREAKOUT NO. 1 (September, 1960)							BREAKOUT NO. 2 (December, 1960)					
Entry	Haugh Units	Bl. Spots		Meat Spots		Shell Thickness	Haugh Units	Bl. Spots		Meat Spots		Shell Thickness
		% Lg.	% Sm.	% Lg.	% Sm.			% Lg.	% Sm.	% Lg.	% Sm.	
1	83.68	-	-	.03	.03	14.85	76.29	-	-	-	-	14.79
2	90.46	.03	-	-	-	15.08	83.92	.03	-	-	-	14.21
3	89.41	-	-	.03	.03	14.89	84.08	-	.04	-	-	14.46
4	87.64	-	-	-	-	14.89	79.84	-	-	.06	-	15.03
5	84.51	-	.03	-	-	15.87	80.29	.09	-	-	-	14.94
6	88.35	.03	-	-	-	14.65	82.94	-	.03	-	-	14.59
7	86.29	-	-	.03	-	14.91	78.97	.02	-	-	-	14.72
8	87.72	-	-	-	-	14.59	79.26	-	.03	-	.03	14.26
9	86.25	-	-	-	-	15.32	81.24	.03	.06	-	-	14.73
10	85.61	.03	-	-	-	15.32	79.76	.03	.03	-	-	14.85
11	87.33	-	.03	-	-	15.18	80.98	-	-	.03	-	15.25
12	86.60	-	-	-	-	14.89	78.48	.03	-	-	-	14.85
13	86.26	.03	.03	-	-	15.06	80.55	.03	.03	-	-	15.03
14	86.11	.03	-	-	-	15.03	80.64	.10	.03	-	-	14.69
15	86.77	.03	-	-	-	14.91	80.71	.07	-	-	-	14.62
16	92.33	-	-	-	-	15.00	84.05	-	.03	-	-	14.44
17	87.86	-	-	-	-	14.71	82.15	.03	-	-	-	14.41
18	86.93	.06	-	-	.03	14.88	82.35	-	.03	-	-	14.43
19	80.17	-	-	-	-	14.98	74.00	-	-	-	-	14.48
20	86.30	-	-	-	-	14.67	79.49	.03	-	-	-	14.54
21	83.55	-	-	-	-	15.00	77.50	.03	-	-	-	14.53
22	89.25	.02	-	-	-	15.12	81.61	-	-	-	-	14.52
23	87.32	.03	.03	-	-	15.24	80.79	-	-	-	.03	14.39
24	88.76	.02	-	-	-	15.00	81.30	.03	-	-	-	14.52
25	86.61	-	-	-	.05	15.44	79.71	-	.05	-	.03	15.03
26	88.17	-	-	.05	-	14.81	82.37	.05	-	-	-	14.46
27	88.03	-	-	-	-	15.32	81.74	-	-	-	-	14.85
28	88.89	.03	-	-	.03	15.79	82.70	.07	-	-	-	15.10
29	86.43	.03	-	.03	-	14.97	80.85	.05	.03	-	.03	14.73
30	82.38	-	-	-	-	15.05	75.20	-	-	-	-	14.08
AVG.	86.87	.01	.004	.01	.01	15.05	80.46	.02	.01	.03	.04	14.65

EGG QUALITY DATA 1960-1961 (continued)

BREAKOUT NO. 3 (March, 1961)

BREAKOUT NO. 4 (June, 1961)

Entry	Haugh Units	Bl. Spots		Meat Spots		Shell Thickness	Haugh Units	Bl. Spots		Meat Spots		Shell Thickness
		% Lg.	% Sm.	% Lg.	% Sm.			% Lg.	% Sm.	% Lg.	% Sm.	
1	75.34	-	-	-	-	14.38	64.95	5.00	-	-	5.00	13.45
2	82.59	-	3.85	-	-	14.65	80.06	-	-	-	-	13.05
3	83.48	-	-	-	-	13.89	79.57	-	-	4.35	-	13.39
4	78.21	3.70	11.11	-	-	15.15	76.25	-	5.00	-	-	13.70
5	78.23	-	-	-	-	15.35	73.26	-	3.85	-	-	14.08
6	81.84	-	-	4.76	-	14.57	77.21	-	6.25	-	-	13.56
7	77.82	-	-	-	-	14.86	75.85	-	-	7.69	-	13.96
8	80.92	3.70	-	-	-	14.33	77.01	8.70	-	-	-	13.57
9	78.75	-	-	3.85	3.85	14.73	75.99	4.00	-	-	-	13.64
10	78.71	-	-	-	3.03	14.82	75.57	3.57	3.57	-	-	13.75
11	81.63	-	-	-	12.00	15.76	74.98	-	-	4.00	-	13.56
12	79.67	-	6.45	3.23	6.45	14.97	74.97	10.34	-	-	-	13.72
13	81.03	10.00	-	-	3.33	14.93	78.09	7.14	3.57	3.57	-	13.82
14	81.85	3.23	-	-	3.23	14.61	72.90	10.81	-	-	-	14.16
15	79.54	-	-	-	4.00	15.08	74.33	10.00	5.00	-	-	13.55
16	84.53	7.14	-	-	3.57	14.68	79.99	-	-	-	-	13.83
17	80.76	3.33	-	-	6.67	14.77	76.85	3.12	3.12	-	-	13.44
18	81.89	3.33	-	-	6.67	15.30	77.71	-	-	8.70	-	13.96
19	76.63	3.33	-	-	-	14.87	71.08	-	-	-	-	13.37
20	78.70	7.41	-	-	-	14.52	75.48	-	4.76	-	-	13.67
21	78.24	2.70	-	-	5.41	14.86	72.83	-	-	-	-	13.80
22	80.82	-	3.03	3.03	3.03	14.85	76.54	-	4.17	4.17	-	13.83
23	81.04	-	3.85	-	-	15.35	77.83	2.94	-	-	-	14.03
24	82.61	-	7.41	-	-	14.93	77.79	4.35	-	-	-	14.26
25	81.13	-	3.12	-	3.12	15.06	75.95	-	-	7.14	-	14.00
26	81.23	-	3.23	-	6.45	14.94	78.60	-	-	-	-	13.65
27	81.08	7.41	3.70	-	-	15.26	73.29	4.35	-	-	-	14.09
28	82.42	3.12	3.12	-	-	14.91	77.46	3.85	3.85	3.85	-	14.31
29	81.82	-	3.12	-	3.12	14.84	76.25	-	-	-	-	13.88
30	77.72	-	2.86	-	-	14.20	72.28	-	-	3.57	-	13.57
AVG.	80.34	1.96	1.84	.46	2.53	14.84	75.73	2.74	1.31	1.57	.13	13.77

...let checks were started for each entry.
 ...let pullets for each entry were randomly placed in cages at 150 days.

MORTALITY BY PERIODS (March 1, 1960 - July 14, 1961)

AVG. BODY WEIGHTS (Days)

Entry	Growing Period (Days)*			Laying Period (Days)**		70	150	318	500
	1-70 No.	71-150 No.	Total %	151-500 No.	Total %				
1	4	-	4.4	11	22.9	2.07	3.64	4.51	5.12
2	3	1	4.4	5	10.4	1.86	3.16	4.02	4.31
3	3	-	3.3	6	12.5	1.99	3.41	4.26	4.86
4	3	1	4.4	4	8.3	1.86	3.22	4.24	4.53
5	-	1	1.1	8	16.7	1.95	3.28	4.35	4.72
6	2	-	2.2	10	20.8	1.82	3.07	3.94	4.22
7	1	-	1.1	4	8.3	1.85	3.27	4.34	4.78
8	4	-	4.4	9	18.8	1.87	3.19	4.11	4.62
9	4	-	4.4	6	12.5	1.88	3.41	4.34	4.57
10	-	-	-	4	8.3	1.99	3.46	4.73	5.05
11	1	-	1.1	2	4.2	1.85	3.23	4.72	4.50
12	5	-	5.6	5	10.4	1.71	3.16	4.04	4.38
13	4	1	5.6	3	6.3	1.93	3.26	4.09	4.48
14	3	-	3.3	-	-	1.80	3.14	4.14	4.44
15	2	-	2.2	7	14.6	1.89	3.22	4.17	4.59
16	2	2	4.4	9	18.8	1.91	3.28	4.41	4.78
17	3	-	3.3	5	10.4	1.93	3.34	4.18	4.54
18	-	-	-	2	4.2	1.89	3.33	4.19	4.44
19	-	1	1.1	1	2.1	1.85	3.19	3.89	4.20
20	2	-	2.2	6	12.5	1.89	3.33	4.03	4.44
21	1	-	1.1	2	4.2	1.91	3.18	4.02	4.25
22	1	-	1.1	4	8.3	1.93	3.44	4.44	4.83
23	-	1	1.1	2	4.2	1.98	3.43	4.35	4.70
24	11	-	12.2	6	12.5	1.78	3.09	4.11	4.41
25	1	-	1.1	4	8.3	1.89	3.35	4.54	4.74
26	2	-	2.2	1	2.1	1.82	3.24	4.15	4.42
27	1	-	1.1	4	8.3	1.89	3.29	4.29	4.60
28	1	1	2.2	5	10.4	1.97	3.35	4.32	4.63
29	2	-	2.2	4	8.3	1.88	3.30	4.14	4.52
30	3	-	3.3	-	-	1.90	3.18	4.03	4.43
AVG.	2.30	.30	2.89	4.63	9.7	1.89	3.28	4.24	4.57

* Ninety pullet chicks were started for each entry.

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

PRIMARY CAUSES OF MORTALITY 1 - 150 DAYS OF AGE
1960-1961

Entry	Leucosis			Coccidiosis	Ompha- litis	Canni- balism	Peritonitis	Crop Impaction	Undeter- mined	Accidental	Misc.
	Anemia	Visc.	Bone Form								
1					2				1		
2						1			2		
3											
4		1							1		
5											
6				1	2		1				
7		1									
8									1		2
9				1							1
10											
11					1						
12					1						
13						1			1	2	
14	1								1		
15									2		
16									2		1
17										1	
18											
19											
20								1			
21					1						
22											
23											
24					3	1	1		3		1
25									1		
26									1		
27									1		
28			1						1		
29											
30						1					1
TOTAL	1	2	1	2	10	4	2	1	18	3	6

Birds that died during the first two days were not cultured.

1960 - 1961

En-try	Leucosis Visc. Neur.	Fatty Liver	Reprod. Dis- order	Internal Hemor- rhage	Heat Pros- tration	C R D	Acute Anemia	Peri- tonitis	Hydro- nephrosis	Ente- ritis	Canni- balism	Misc.	Un- deter- mined	Not cul- tured	
1		2	1	2			1		1			1	1	2	
2	3			1				1							
3		1				1	1							3	
4	1							1				1	1		
5	3	1			1		1			1			1		
6	10														
7								1						2	
8	2		2			1				1		1	1	1	
9	2		1							1			2		
10			2										1	1	
11		1		1									1	1	
12	1		1					1					1	1	
13	2			1											
14															
15	1		1				1				1	2		1	
16	4								1			1	1	2	
17	3		1											1	
18			1	1											
19														1	
20			4										2		
21	1											1			
22	1	1									1			1	
23	1			1											
24	2	1	1					1							
25	2		1							1				1	
26													1		
27	1	1	1	1											
28	1		2	1									1		
29	2			1									1		
30															
	43	8	2	18	9	1	2	4	5	2	4	2	8	14	17

PRICES USED IN COMPUTATION
(Cents Per Dozen)

Period	Feed Cost/ Cwt.	Ex.Lg. & Lg. A	Lg. B	Med. A	Sm. A	Med.& Sm. B's & all C's	Pee Wees	Chex	Meat & Blood Spots
1	\$3.47	.357	.295	.297	.222	.180	.120	.150	No Value
2	3.47	.421	.342	.348	.248	.180	.120	.150	No Value
3	3.47	.484	.405	.409	.282	.180	.120	.150	No Value
4	3.47	.490	.413	.415	.301	.200	.140	.180	No Value
5	3.47	.489	.371	.423	.292	.200	.140	.180	No Value
6	3.47	.460	.349	.396	.291	.200	.140	.180	No Value
7	3.47	.386	.314	.346	.258	.200	.140	.180	No Value
8	3.47	.386	.309	.352	.265	.200	.140	.180	No Value
9	3.52	.338	.271	.308	.233	.180	.120	.160	No Value
10	3.52	.318	.244	.289	.221	.180	.120	.160	No Value
11	3.56	.309	.244	.267	.217	.180	.120	.160	No Value
12	3.56	.317	.264	.264	.216	.180	.120	.160	No Value
13	3.56	.352	.296	.290	.223	.180	.120	.160	No Value
AVERAGE	\$3.50	.393	.317	.339	.251	.188	.128	.165	

TEXAS RANDOM SAMPLE EGG PRODUCTION TEST DIETS

INGREDIENT	STARTER	GROWER	LAYING
Ground Milo	778½	975	970
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	100
Defluorinated Rock Phosphate (19%)	40	40	50
Salt	10	10	5
Zinc Sulphate	-	-	½
Manganese Sulphate	½	½	½
Sulfaquinoxaline (25%) premix	1 1/5	-	-
Vitamin Antibiotic Supplement*	50(1)	50(1)	50(2)
Rice Oil	-	-	40
	2000 1/5	2000½	2040 3/4

* VITAMIN ANTIBIOTIC SUPPLEMENT

	(1)Contains Lbs.	(2)Contains Lbs.
Dry Fish Solubles (100% Equivalent)	20	20
Delactosed Whey Products (DIW)	10	10
Fermentation Product (OMAFAC)	5	5
Choline Chloride (25%)	4	4
Dry Stable Vit. A (10,000 IU/gm.)	1	1
Dry Vit. D3 (3000 ICU/gm.)	1	1
Methionine	½	-
3-Nitro, 4-Hydroxyphenylarsonic Acid	45 gms.	-
B-Vit-Antibiotic Concentrate	1	1
Soybean Oil Meal (44%)	7½	8
Znso4		½

SEVENTH TEXAS RANDOM SAMPLE EGG PRODUCTION TEST

COLLEGE STATION, TEXAS

ENTRY NO.	ENTRANT'S NAME, ADDRESS AND TYPE OF ENTRY	CHICK COST*
1	Ames In-Cross Farms, 504 $\frac{1}{2}$ Grand Ave., Des Moines, Iowa, IBX Ames #434R	\$.490
2	Arbor Acres Farm, Inc., Glastonbury, Conn., Mount Hope Queen, SCWL	.440
3**	Atwood Hatchery, Box 86, Comanche, Texas, H & N Mark II	.460
4	Brender's Leghorns, Ferndale, New York, Money-maker #1	.380
5	Cashman Leghorn Farms, Webster, Kentucky, SCWL (Hi-Cash)	.450
6	Colonial Poultry Farms, Inc., Pleasant Hill, Missouri, True-Line #365, W.L.	.440
7	Cornell Rando-bred, Cornell University, Ithaca, New York, Rando-bred	.420
8	D & C Hatchery, Box 111, Hamilton, Texas, Ideal H-3-W, W. L.	.380
9	DeKalb Agricultural Assoc., Inc., Sycamore, Illinois, DeKalb #131, IBX	.560
10	Demler Farms, Inc., Anaheim, California, Demler IBX	.360
11**	DeWitt's Texas Hatchery, Inc., Nacogdoches, Texas, Babcock Bessies, W. L.	.440
12**	DeWitt's Turkey Hatchery, Inc., Waxahachie, Texas, Babcock Bonnies, W. L.	.440
13	Eby's Poultry Farm, Rt. 1, Box 192, Carrollton, Texas, W. L.	.350
14	Erath Egg Farm, Stephenville, Texas, Strain X W. L.	.370
15	Flinn's Hatchery, Rt. 1, Box 207S, San Antonio, Tex., Honegger Layers, W.L.	.450
16	Ghostley's Poultry Farm, Anoka, Minn., Ghostley Pearl Strain X W. L.	.460
17	Golden Oak Hatchery, Box K, DeLeon, Texas, Ideal H-3-W, W. L.	.380
18	Grigsby Hatchery, Box 65, Georgetown, Texas, DeKalb #131	.560
19**	Hy-Lay Hatcheries, Box 1111, Bryan, Texas, Hy-Line #934H IBX	.585
20	Ideal Hatchery & Poultry Farm, Box 710, Cameron, Tex., Ideal H-3-W, W. L.	.380
21**	Kazmeier Hatchery, Inc. Box 791, Bryan, Texas, Hy-Line #934H IBX	.585
22	Kimber Farms, Inc., Box 8, Niles, California, K-155, W. L.	.460
23**	Pierson-Craddock Hatchery, Box 511, Hamilton, Texas, DeKalb #101, IBX	.560
24	Schaible Poultry Farm, Shiloh, New Jersey, Strain X, W. L.	.390
25	Swift Hatchery, Box 588, Yoakum, 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 #424	.400
28	Western Hatcheries, 1407 N. Industrial Blvd., Dallas, Texas, K-137, W. L.	.460
29	Williams Poultry Farm, Box 302, Denison, Texas, H & N Nick Chick, W.L.	.460
30**	Wilson Poultry Farm & Hatchery, Box 88, Clyde, Texas, Hy-Line #934H, 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 or from franchised hatcheries other than that of the entrant.