

Developments in the Poultry Industry United States – – Minnesota

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HANDBOOK AND DIGEST

For Agricultural Extension Workers and Other Leaders in the Poultry Industry

> by W. H. Dankers Extension Economist – Marketing



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Developments in the Egg and Poultry Industry W. H. Dankers* Extension Economist in Marketing

Introduction

Minnesota was <u>fourth</u> in the United States in the <u>number of farm chickens raised</u> in 1953, and also <u>fourth</u> in the number of chickens on farms January 1, 1954. In both of these. Iowa was first, Pennsylvania second and California third.

Minnesota was <u>third</u> in the total <u>number of eggs produced</u> in 1953. Iowa was first and Pennsylvania second.

Minnesota was <u>second</u> in the <u>number of turkeys raised</u> in 1953 and was exceeded only by California. Virginia was in third place, Iowa in fourth, and Texas dropped to fifth place.

There has been almost continuous expansion in all phases of the Minnesota poultry industry during the last twenty years. Egg production in 1953 was about 2.4 times as high as in the prewar years of 1935-39. The number of turkeys raised each year nearly tripled during this period. There was practically no commercial broiler production in Minnesota before 1940. This enterprise is still not especially significant in terms of the contribution to total cash farm receipts, but significant forward strides have been made.

The production of poultry and poultry products ranges from a minor sideline enterprise on some Minnesota farms, to a major enterprise on other farms, and to a highly commercialized business on still other farms. There is a trend toward specialization within the poultry industry.

1. Egg production and farm chicken meat. Egg production is supplemented by poultry meat production from male birds purchased along with female birds for flock replacement, and from fowl that have been in the laying flock and are being replaced. This egg and farm poultry enterprise is becoming more specialized toward egg production because the percentage of "sexed" chicks purchased from hatcheries is constantly increasing. In 1953 the cash income from eggs provided 9.7 percent of the total cash farm receipts in Minnesota, and chicken meat (not including commercial broilers) provided 1.2, or a total for this enterprise of 10.9 percent.

2. <u>Commercial broiler production</u>. In 1953 commercial broiler production provided .3 percent of total Minnesota cash farm receipts. As indicated by the term "commercial" broiler production, this enterprise is usually highly specialized and commercialized.

3. <u>Turkey production</u>. In 1953 Minnesota turkey production and turkey sales provided 2.3 percent of total cash farm receipts. This highly specialized and commercialized enterprise has in recent years divided itself into two enterprises, namely the production of Bronze and other large turkeys, and the production of Beltsville and other small turkeys which are sold largely as turkey fryers and broilers. Some producers are active in both enterprises, while others have preferred to specialize in one or the other.

All together the poultry enterprises in Minnesota provided 13.5 percent of total cash farm receipts in 1953. This was higher than in other recent years, when income from poultry and poultry products provided from 10 to 11 percent of total cash farm receipts.

An example of increased efficiency in Minnesota's poultry industry is the increase in egg production per hen from an annual average of less than 90 eggs in the late twenties and early thirties to 165 eggs in 1953 (based on the January 1 enventory of hens and pullets). Egg production per hen in Minnesota is now considerably above the United States average.

Nearly 70 percent of the eggs produced in Minnesota are sold outside of the state. Chicago is an important market, but a large proportion of Minnesota eggs move to the more distant markets of the East, West, and South, so that Minnesota producers, handlers and others have a national interest in the poultry industry. To assist in the analysis and study of the developments in the egg and poultry industry, this handbook, and the poultry statistics included are presented as reference material. An index precedes the statistical tables so that any section may be easily located. In the "notes" which follow the different tables, attention is called to the "highlights", and to important items that can be observed from the tables.

The statistical information was obtained and calculated from egg and poultry reports published by the various Divisions of the Agricultural Marketing Service in the United States Department of Agriculture, the Minnesota Federal-State Crop and Livestock Reporting Service and the Department of Agricultural Economics, University of Minnesota.

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Index

Eggs		age
ï.	Egg Production - U.S.	1
II.	Egg Production - Minnesota	. 2
III.	Monthly Egg Production and Percentage of Yearly Total - U. S.	3-4
IV.	Monthly Egg Production and Percentage of Yearly Total - Minnesota.	5
, V .	Price Per Dozen Received for Eggs by Farmers - U.S.	6
VI.	Price Per Dozen Received for Eggs by Farmers - Minnesota	. 7
VII.	Average Annual Farm Prices Received for Eggs and Percent of Parity - U.S.	8
VIII.	Margins Between Minnesota Farm Prices and Minneapolis Retail Prices of Eggs.	9
IX.	Form in Which Eggs Were Used - Shell, Frozen and Dried - U.S.	10
X.	Monthly Production of Liquid Egg - U. S.	.11
XT.	Monthly Utilization of Liquid Reg - U.S.	12
XTT.	Liquid Ere Products - U.S.	13
*** * ()	with the wide to be a second of the second	· ~ _
Poultry		
XTTT	Breeds of Chickens - U.S.	14
XTV	Chicks Hatched by Commarcial Hatcheries - II S	15
XV.	Chicks Hatched by Commercial Hatcheries - 0, 0,	16
TVT STORE	Chicks Hatched for Lowing Flock Replacements - U.S.	17
XVTT	Depth Loss of Lovers	י∸י קו
YVTTT	Chicken Ment Sold Time Wright of Binds and Drises Deseived - II S	• - / 18
~~~	Annuarimete Annuare Weight of Difus and Frices Acceived - 0, 5,	10 10
AA VTV'	Mid North Form Drigen Dessined for Chickers II S	20
XXT	Mid Month Form Drices Received for Chickens - 0, 5,	21
YYTT YYTT	Pod Meet and Deultry Meet Droduction II S	22-23
VVTTT	Red Meet and Fourtry Meet Froudston ~ 0, 5, ,	21-25
XXIX -	Cosh Peceinta from Poultry and Percent of Total Cosh Torm Peceinta	26
VVTA 0	oash decerpts from fourtry, and fercent of foral dash farm decerpts	• ~ 0
Turkeva		
XXV	Turkeys Reised on Ferme	.27
XXVT	Depth Loss of Murkeys	28
XXVII	Shift to Paltevilla White and Other Smaller Hurkeys and Source of Hurkey	~~ <b>~</b> ~
	Hatching Rogs - Minnecata	. 29
XXVTTT	Average Live Weight of Murbave Bold	30
XXTX	Secondlity in Marketing Three works a constant of the second se	• 31
andh-Udh o XXX	Weapymarry III marketills Lurkeyp second a second second second second for Markets - II S	32
ውጫቁ የዋዋኛ	Farm Prices Received for Turkeys ~ V. D	- - -
ութացիություն հերություն հերություն հերություն հերություն հերություն հերություն հերություն հերություն հերությու	TUTH TITOLD WORDLACH TOT THIPOLO - WINNESOPS	•

I. EGG PRODUCTION - U. S.

=========				============				=======================================		
	Total Eggs Produced on Farms (a)	Index 1935-39 ≘ 100	Hens and Pullets on Farms (b) January l	Index 1935-39 = 100	Average Number of Layers on Farms during the year	Index 1935-39 = 100	Eggs per Layer (c)	Index 1935-39 = 100	Egg <b>s</b> per Layer (d)	Index 1935-39 = 100
	(million)		(million)	r I	(million)	<b> </b>				<b></b>
1925-29 1930-34 1935-39 1940-44 1945-49	37,485 36,768 36,381 48,659 55,724	103 101 100 134 153	408 397 364 44 <b>3</b> 439	111   108   100   121   120	320 303 283 344 347	113 107 100 121 123	93 93 100 110 127	93 93 100 110 127	117 121 128 141 161	91 94 100 110 126
1950 1951 1952 1953 1954	58,734 59,265 60,985 61,704	161 163 168 170	424 410 420 404 414	115 112 114 114 110 113	342 331 342 340	121 117 121 120	139 144 145 153	139 144 145 153	172 175 178 182	134 137 139 142

(a) Non-farm egg production (from small flocks not actually on farms) is about 10 percent of farm production.

(b) This includes the pullets which are laying, and those not laying, but which are kept for egg production.

(c) Based on the number of hens and pullets on farms January 1.

- (d) Based on the average number of layers on farms during the year.
- Note: 1. There has been a large increase in the total production of eggs. The percentage increase in total egg production has been more than three times the percentage increase in human population since the pre-war years of 1935-39.
  - 2. There has been a continuous increase in the number of eggs per hen. In 1953 there were 70 percent more eggs produced than the average annual production for 1935-39, with only 20 percent more laying hens.

	Total Eggs Produced on Farms	Index 1935-39 = 100	Hens and Pullets on Farms (a) January 1	Index 1935-39 - 100	Average Number of Layers on Farms during the year	Index 1935-39 - 100	Eggs per Laver (b)	Index 1935-39 - 100	Eggs per Laver (c)	Index 1935-39 = 100
·····	(million)		(million)		(million)					 
1925–29 1930–34 1935–39 1940–44 1945–49	1,424 1,457 1,599 2,864 3,764	89 91 100 179 236	16.2 16.9 16.6 24.1 27.0	98 102 100 145 163	12.9 12.9 13.0 19.4 21.9	99 99 100 149 168	87 86 96 138 139	91 90 100 144 148	110 113 123 148 172	89 92 100 120 140
1950 1951 1952 1953 1954	3,820 3,842 3,731 3,813	239 240 233 239	25.2 24.5 23.6 23.1 23.3	152 147 142 139 140	20.9 20.7 19.8 19.6	161 159 152 151	151 157 158 165	157 163 165 172	183 186 189 195	149 151 154 158

(a) This includes the pullets which are laying and those not laying but which are kept for egg production.

(b) Based on the number of hens and pullets on farms January 1.

- (c) Based on the average number of layers on farms during the year.
- Note: 1. There has been a great expansion in the egg enterprise in Minnesota since the pre-war years of 1935-39. In the last several years, total egg production was more than 2 1/3 times as large as the average annual production for 1935-39. This was due to an increase of over 50 percent in egg production per hen, and an increase in numbers of hens and pullets. The increase in numbers of hens and pullets came before 1945. Since then there has been a considerable decrease.
  - 2. To what extent the egg enterprise in Minnesota can remain on an expanded basis will depend on production handling, and distribution costs compared with costs in other states and areas. Most areas of Minnesota are in a favorable situation for low cost production because feeds are in surplus and comparatively cheap. Much will depend on flock management and marketing methods.

													<del> </del>	
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	Monthly Average
1925-29 1930-34 1935-39	1874 2213 2239	2775 3051 2790	4744 4656 4375	5371 5122 4896	5099 4884 4653	M i 1 4115 3866 3755	. l i o n 3517 3226 3192	2988 2739 2715	2401 2265 2270	1863 1817 1951	1311   1392     1637	1427 1536 1907	37484 36768 36380	3124 3064 3032
1940 <b>-</b> 44 1945-49	3442 4477	4070 490 <b>2</b>	5657 6345	6361	5808 6029	4751 5050	4074 4403	3527 3820	3048 3443	2784 3450	1 3429	2963 4011	48659 55719	4055 4643
1950 1951 1952 1953 1954	5238 5070 5362 5416 5448	5203 5173 5668 5304 5476	6242 6156 6386 6272 6605	6110 6040 6164 6068 6271	5901 5881 5938 5872 6071	4997 5060 4 <b>991</b> 5051 5251	4500 4543 44 <b>31</b> 464 <b>2</b>	4123 4112 4125 4346	3847 3943 4081 4206	4047 4240 4371 4614	406 <b>2</b> 4345 4480 4803	4464 4793 5037 5267	58734 59356 61016 61861	4894 4946 5085 5155
		Pe	ercent Mo	onthly Pr	oductio	n Was of	the Tot	al Egg	Production	for the	e Year			
1925–29 1930–34 1935–39 1940–44 1945–49	5.0 6.0 6.2 7.1 8.0	7.4 8.3 7.7 8.4 8.8	12.6 12.7 12.0 11.6 11.4	14.3 13.9 13.4 12.3 11.4	13.6 13.3 12.8 11.9 10.8	11.0 10.5 10.3 9.8 9.1	9.4 8.8 8.8 8.4 7.9	8.0 7.4 7.5 7.2 6.9	6.4 6.2 6.3 6.2	5.0 4.9 5.4 5.7 6.2	3.5 3.8 4.5 5.2 6.1	3.8 4.2 5.2 6.1 7.2	100.0 100.0 100.0 100.0 100.0	
1950 1951 195 <b>2</b> 1953 1954	8.9 8.6 8.8 8.8	8.9 8.7 9.3 8.6	10.6 10.4 10.4 10.1	10.4 10.2 10.2 9.8	10.0 9.9 9.7 9.5	8.5 8.5 8.1 8.2	7.7 7.7 7.3 7.5	7.0 6.9 6.8 7.0	6.5 6.6 6.7 6.8	6.9 7.1 7.2 7.4	6.9 7.3 7.8 7.8	7.7 8.1 8.2 8.5	100.0 100.0 100.0 100.0	

## III. MONTHLY EGG PRODUCTION AND PERCENTAGE OF YEARLY TOTAL - U. S.

Continued on Page 4

- Note: 1. The spring peak in U. S. egg production and the fall low point came earlier in the last several years than in previous years. This is the result of earlier spring hatchings, more rapid maturing of pullets, birds laying at a younger age and consequently earlier fall egg production.
  - 2. Because of the seasonality, or variation in monthly egg production, there is need for storing eggs as a means of leveling out the supply for consumption.
  - 3. Comparatively low egg production in the late summer and early fall months results in a short supply of shell eggs at that time, even though the supply of eggs for the year may be comparatively abundant.
  - 4. Egg production has "leveled out" greatly during the last 20 years. This is indicated by the following:
    - (a) For the five year periods of 1925-29 and 1930-34, egg production in the peak month of April was 3 1/2 to 4 times as large as in the low production month of November. In recent years egg production in the peak month of March has been less than 1 1/2 times as large as in the low production month of September.
    - (b) The peak monthly production in earlier years was 13 to 14 percent of total annual production. In the last few years it has been only about 10 percent. In the earlier years April was consistently the peak month, but since 1950 it has been March.
    - (c) In the earlier years egg production in the low production month of November was below 4 percent of total annual production. In recent years production in September, which was the low production month, was between 6.5 and 7.0 percent of total annual production.

Year	Jan.	Feb.	Mar.	Apr.	Mav	June	July	Aug.	Sept.	Oct.	Nov.	Dec	Total	Monthly
						Mi	1 1 1 0	ns	7.5 5.5 4					
1025-20	50.8	83 0	158.8	212 6	216 6	174 2	146 6	123 0	96 0	65 L	Lin O	41h 2	1420 2	118 3
1030-34	76 4	100.8	172 8	217 8	218 h	170 0	136.8	116 6	03.0	62 JL	нт <b>2</b>	50 L	1/156 6	121 /
1035-30	88.2	100.0	167 6	211 h	220 1	197 6	150.0	120.8	106.2	79 6	67 /	82.8	1490.0	122.7
10/0-09	221 /	228 /	205 1	227 8	2,0,4	200 1	2166	2122	100.2	1/10.0	1/12 0	107.6	1399.2	
10/15 /10	252 8	2/20.4	200 1	201.6	200 0	220.4	200,0	262 6	222 0	277 2	225 0	19/00	2004.0	230.7
1942-49	0.رور	0.وبهر	222.4	J94.0	0.00ر	٥،٥رر	290.2	203.0	223.0	ZII.4	٥. وري	0.11ر	3704.0	י נונ
1050	27/10	shite o	280 0	260 0	262 0	220 0	295 0	262 0	2/17 0	2/10 0	202 0	260 0	2820 0	210.2
1950	200 0	21110	267.0	246 0		210.0	203.0	202.0	241.0	240.0	203.0	360.0	3020.0	
1951		254.0	277 0	261 0	252.0	200.0	291.0	272.0	250.0	255.0	294.0	364.0	3042.0	320.2
1952	374.0	254°0	272.0	261.0	))).U	300.0	209.0	248.0	228.0	237.0	278.0	0.656	3730.0	310.8
1953	384.0	345.0	370.0	302.0	355.0	306.0	282.0	261.0	227.0	239.0	295.0	368.0	3800.0	316.7
1954	386.0	359.0	390.0	301.0	354.0	321.0								
		<b>D</b>	1. 10. /	17	<b>.</b>							-		
		Perce	nt Mont	nly Pro	duction	Was of	the To	tal Egg	Produc	tion fo	r the 1	ear		1
1925-29	4.2	5.8	11.2	15.0	15. <b>2</b>	12.3	10.3	8.7	6.8	4.6	2.8	3.1	100.0	8.3
1930-34	5.2	6.9	11.9	14.9	15.0	11.7	9.4	8.0	6.4	4.3	2.8	3.5	100.0	8.3
1935-39	5.5	6.3	10.5	13.2	14.4	11.7	9.7	8.1	6.7	4.9	3.8	5.2	100.0	8.3
1940-44	7.7	8.3	10.7	11.8	12.2	10.2	8.6	7.4	6.1	5.1	5.0	6.9	100.0	8.3
1945-49	9.4	9.1	10.6	10.5	10.4	9.0	7.9	7.0	6.0	5.6	6.2	8.3	100.0	8.3
							1.02	1.00	- 0 -	200	00-			
1950	9.8	9.0	9.9	9.4	9.5	8.4	7.5	6.9	6.3	65	74	9.4	100.0	83
1951	10.0	9.0	9.6	9.0	9.1	8.2	7.6	71	67	6.6	76	Q S		8.3
1952	10.0	9 5	10.1	9.7	9.4	8.0	7.2	6.6	6 î	6 L	7 4	95	100.0	
1953	101	9 1	Q Q	9.5	0.3	80	7 L	6.0	6.0	6.7	7 9	2.2	100.0	
1051	10.1	7.1	707	/•)	10)	0.0	( • 4	0.7	0.0	و ن	(.0	701	100.0	
1734													J	L

IV. MONTHLY EGG PRODUCTION AND PERCENTAGE OF YEARLY TOTAL - Minnesota

Note: 1. In earlier years Minnesota egg production reached a peak in the month of May which was later than for the United States. A large number of Minnesota bullets are now being brought into production earlier in the fall. For this reason monthly egg production has been quite uniformly high during January to March, if allowance is made for the smaller number of days in February.

2. A larger percentage of total annual egg production is obtained in the winter months of December, January, and February in Minnesota than in the United States as a whole.

Iear	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov .	Dec.	Average
	1	<u></u>			(0	ents per	Dozen)						1
1925- <b>2</b> 9	38.6	30.9	24.0	23.0	27.7	23.9	25.4	27.4	31.5	36.7	43.4	45.5	31.5
1930-34	23.3	17.1	14.6	14.3	13.7	13.3	14.6	16.6	<b>2</b> 0.0	23.2	27.4	25.8	18.7
1935-39	22.3	20.5	17.6	17.7	18.0	18.1	19.5	<b>2</b> 0.8	23.9	26.1	29.1	<b>2</b> 6.7	21.7
1940-44	28.6	26.1	24.3	24.2	24.6	25.7	27.8	<b>2</b> 9.6	32.6	35.4	38.2	38.0	29.6
1945-49	43.8	38.7	37.8	38.0	38.4	39.6	42.4	46.1	48.6	51.1	50.7	49.4	43.7
1950	31.2	<b>2</b> 9.6	31.6	30,9	<b>2</b> 9,6	30,1	34.3	38.0	40.4	43.2	45.6	57.7	36.9
1951	42.6	41.4	43.7	43.2	45.2	44.7	46.6	49.6	55.0	55.6	56.5	51.1	47.9
1952	40.5	34.7	34.0	35,2	34.2	35.7	43.3	48.2	48.7	50.3	51.9	46.6	41.9
1953	45.8	42.0	44.7	45.5	45.9	45.7	47.7	50 <b>.2</b>	51.4	53.3	49.7	48.5	47.5
1954	46.3	45.7	38.7	35.0	33.1	32.9		-	-			-	
			Ind	.ex of Mo	onthly Pr	rices - S	Simole An	nual Ave	rage = 10	00			
1925-29	123	98	76	73	88	76	-80	87	100	117	138	144	100
1930-34	125	92	78	77	74	71	78	89	107	124	147	138	100
1935-39	103	94	82	82	83	83	90	96	110	120	134	123	100
1940-44	97	88	82	82	83	87	94	100	110	120	129	128	100
1945-49	100	89	86	87	88	9 <b>i</b>	9 <b>7</b>	105	111	117	116	113	100
1950	85	80	86	84	80	82	93	103	110	117	124	156	100
1951	89	86	91	90	94	93	97	104	115	116	118	107	100
1952	96	83	81	84	82	85	103	115	116	120	124	11İ	100
1953	96	88	94	96	97	96	100	106	108	112	105	102	100
1954			•			-				_	-		1

Note: 1. The degree of "seasonality" in egg prices has been less than in egg production. - Compare with Table III.

2. The lowest mid-month prices for eggs occured from about February or March through June, when monthly production of eggs was at or near the yearly peak. - Compare with Table III.

3. The highest mid-month prices for eggs occurred in the fall months when monthly production of eggs was at or near the yearly low point. - Compare with Table III.

4. Producers are getting flocks into production earlier in the fall than they used to. Because more eggs were produced in the fall and winter months, egg prices in recent years already declined in late fall and rose again earlier the next summer, compared with earlier periods.

5. Producers who bring their flocks into production in late summer and early fall have a decided advantage, and can "cash in" on higher egg prices.

Simple Annual

## VI. PRICE PER DOZEN RECEIVED BY FARMERS - Minnesota Mid-Month Prices

Simple

													Annual
Tear	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Average
					(Cer	nts per I	ozen)		· 2				
1930-34	20.0	15.0	14.0	13.0	13.0	11.0	12.0	14.0	16.0	20.0	24.0	23.0	16.3
1935-39	19.0	18.0	16.0	16.0	17.0	16.0	17.0	18.0	20.0	24.0	25.0	23.0	19.1
1940-44	24.0	23.0	23.0	24.0	24.0	24.0	26.0	-27.0	29.0	31.0	33.0	32.0	26.7
1945-49	36.2	33.9	34.9	35.8	35.8	36.1	37.4	39.6	408	43.3	41.7	40.1	38.0
1950	25.2	25.0	27.0	27.0	26.6	26.4	28.6	30.4	33.2	36.5	37.3	46.3	30.8
1951	31.7	34.8	38.5	39.0	42.0	41.1	38.7	44.6	50 <b>.2</b>	48.8	49.0	41.2	41.6
1952	31.0	27.8	29.8	30.5	29.9	30.5	39.0	44.0	43.0	46.0	45.0	35.0	36.0
1953	37.0	36.0	41.0	41.5	41.5	42.5	42.5	45.5	46.5	49.5	43.0	39.0	42.1
1954	38.4	39.5	33.0	29.5	27.5	27.0			,			÷	
			Inde	x of Mor	thly <b>P</b> ri	ces - Si	mple Anr	ual Aver	rage = 10	0			
1930-34	123	92	86	80 ·	80	68	74	86	99	123	147	142	100
1935-39	100	94	84	84	89	84	89	94	105	126	131	120	100
1940-44	90	86	86	90	90	90	98	101	109	116	124	120	100
1945-49	95	89	9 <b>2</b>	94	94	95	<b>9</b> 9	104	108	114	110	106	100
1950 .	82	81	88	88	86	86	93	99	108	118	121	150	100
1951	76	83	92	94	101	99	93	107	121	117	118	99	100
1952	86	77	83	85	83	85	109	122	120	128	125	97	100
1953	88	85	97	98	99	101	101	108	110	118	102	93	100
1954	1												

- Note: 1. The low level of prices for eggs in the depression years of the 30's. In some months they were less one-third of the prices for the same months in recent years.
  - 2. The range in egg prices from the low in late spring to the high in fall. Earlier chicks, good young flock management, rapidly maturing pullets and fall egg production will help Minnesota producers increase their returns from the poultry enterprise.
  - 3. The price received by Minnesota farmers for a dozen of eggs is continuously below the average U. S. price. Nearly 70 percent of the supply of Minnesota eggs is sold outside of the state at markets considerably removed from the point of production. This involves a transportation cost which along with other handling costs must be covered by the consumers price. This makes for a lower residual price to the producer. Surplus feed supplies and lower feed costs are to the advantage of the producer in holding his production costs down, which in turn makes it possible for him to sell at a lower price per dozen.

Year	Farm Price	"Effective" Parity Price	Percent Farm Price Was of Parity	
	(Cents per doz.)	(Cents per doz.)		
1930-34 1935-39 1940-44 1945-49	18.7 21.7 29.5 43.6	29.2 28.9 31.8 47.0	64 75 93 93	
1950 1951 1952 1953 1954	36.9 47.9 41.9 47.5	51.1 52.7 50.7 47.4	72 91 83 100	

## VII. AVERAGE ANNUAL FARM PRICES RECEIVED FOR EGGS, AND PERCENT OF PARITY - U. S.

Note: 1. The farm price of eggs was continually below 90 percent of parity before the World War II period, and has been below 90 percent of parity in several recent years.

2. Much progress has been made in the poultry industry during the last 25 years in better breeding, feeding and housing, and in lower mortality. All this has greatly reduced cost of production. This is one of the reasons why total egg production in the United States in 1953 was 70 percent above the 1935-39 annual average, and in Minnesota 139 percent above. This increase in production was achieved during a period when egg prices were sometimes less than 90 percent of parity. It is quite clear that egg production will continue at a comparatively high level even though egg prices are considerably below parity.

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1025 20	11 0	10.0	10.6	0.1	o li	0.1	0 5	10.6	<b>11</b> h	10 1	10 0	11 17
1910-19 10山〇山山	12 h	12.6	10.0	11 2	0.4 11 L	9•⊥ 11 2	9•2 11 8	10.0 12 上	11.4	12°1	15.8	15 1
1945-49	22.3	18.7	17.3	16.4	17.0	17.0	17.9	19.0	22.9	23.4	23.0	23.3
1950	19.3	17.3	17.2	18.6	17.7	17.6	16.7	20.9	20.3	22.2	24.8	25.0
1951	25.7	18.4	19.8	18.8	17.8	17.8	22.4	19.3	19.6	23.9	24.6	24.6
1952	22.1	22.5	18.7	19.9	16.4	19.1	19.0	20.5	22.9	21.3	18.6	24.9
1953	20.7	19.9	18.4	18.2	18.1	18.3	19.2	19.2	24.2	25.6	23.5	23.4
1954	22.4	20.1	20.2	19.5								

#### VIII. MARGINS BETWEEN FARM AND MINNEAPOLIS RETAIL PRICES OF EGGS - Minnesota

- Note: 1. The information furnished in this table is of value only in indicating variations and trends. A considerable proportion of the eggs originally sold by producers, and especially the lower value eggs such as those stained, of irregular shape and of lower quality, move into other marketing channels. Therefore, the Minneapolis retain price is not representative of the consumer price for <u>all</u> of the eggs originally sold by producers. The margins are also based on Minnesota average mid-month prices to producers. Special studies of egg prices received by producers show that prices vary greatly in Minnesota. The prices received by producers for the eggs marketed in Minneapolis are usually higher than the Minnesota average mid-month prices.
  - 2. Margins between Minnesota average farm prices and Minneapolis retail prices for eggs tend to follow a fairly consistent seasonal pattern. Margins are usually lowest in spring when prices received by farmers are lowest, and highest in fall, when prices received by farmers are highest. Handling margins are frequently based on a percentage of the cost of the product. This would result in a higher margin per dozen in fall.
  - 3. The <u>per dozen</u> margin has been considerably higher during the last several years compared with the pre-war period.

IX.	FORM	IN	WHICH	EGGS	WERE	USED

			l Bøgs	1			Errs Sold	As Liqui	d Kee Pro	ducts(1)	)			
	-		Consumed				For	and Diqui		/440 05	1		Sold	
		Eggs	in Farm	Total		Shell	Immediate	Shell		Shell		Shell	As	
	Eggs	Used for	ri House-	Eggs		Egg	Con-	Egg	Frozen	Egg	Dried	Egg	Shell	
	Produced	Hatchin	glhold	Sold	Total	Eouiv.	sumption	Equiv.	(2)	Equiv.	(3)	Equiv	Eggs	
	м	i l l i	on		Thou- sand Pounds	Million	Thou- sand Pounds	Million	Thou- sand Pounds	     Million	Thou- sand (4) Pounds	'       Million		
1945-49	55707	261	1 7830	47617	648,408	6063	18,078	169	307,937	2879	322,416	3015	41554	
1950 1951 195 <b>2</b> 1953 1954	58734 59265 60985 61704	165 148 1 <b>35</b> 1 <b>21</b>	6864 6552 6686 6557	51705 52565 54164 55026	696,663 408,654 382,394 411,274 Percent	6514 3821 3575 3845 of Tota	20,115 18,340 18,404 21,094 1 Eggs Use	188   171   17 <b>2</b>   197 d in Var	322,014 316,317 287,952 313,064 ious Form	i 3011 i 2958 i 2692 i 2927	354,534 73,997 76,038 77,116	3315   692   711   721	45191 48744 50589 51181	
1945-49	100.0	•5	      14.1	85.4		10.8		.3	1	5.1		5.4	74.6	Percent Shell Eggs Were of All Eggs Sold 87.3
1950 1951 1952 1953 1954	100.0 100.0 100.0 100.0	.3 .2 .2 .2 .2	  11.7  11.1  11.0  10.6	88.0 88.7 88.8 89.2		11.1 6.5 5.9 6.2		ຸ າ າ າ າ າ າ າ າ າ າ າ າ າ າ າ າ າ າ າ		5.1 5.0 4.4 4.7		5.7 1.2 1.2 1.2	76.9 82.2 82.9 83.0	87.4 92.7 93.4 93.0

(1) The shell egg equivalents (number of eggs) used in liquid egg products was obtained by dividing the number of pounds of liquid by 38.5 to obtain the number of cases of eggs used. This figure was in turn multiplied by 360 to obtain the number of individual eggs used.

(2) Does not include the liquid egg which was frozen and dried later.

(3) Includes the liquid egg which was frozen and dried later.

(4) Weight of liquid egg.

Note: 1. The very high percent of total egg production and total egg sales used in shell form.

- 2. The liquid egg and dried egg industries became significant during the period of World War II, as a means of simplifying overseas shipments.
- 3. Only a little more than 1 percent of total egg production has been dried during the last few years. The major portion of the production of liquid egg is frozen, and is later used as liquid egg in baking and in processed food products.
- 4. The liquid egg industry provides a good way of carrying over the excess supply of eggs in periods of

## X. MONTHLY PRODUCTION OF LIQUID EGG - United States

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov	Dec.	Total
	1		- <u> </u>	Va	olume Prod	luced (Mi	llion Po	unds)					11
1950-53	27.0	50.8	80.8	83.4	89.2	62.5	31.3	17.8	12.0.	7.6	5.9	6.5	474.8
1950 1951 1952 1953 1954	44.0 22.7 23.3 18.0 30.0	73.4 34.7 48.1 47.0 48.0	116.5 77.0 62.7 66.9 93.0	112.6 83.7 63.7 73.7 85.0	125.9 87.5 71.1 72.4	93.2 49.6 48.9 58.1	58.5 22.5 21.9 22.3	32.6 13.7 12.1 12.7	21.6 7.6 11.0 8.0	9.9 4.3 7.0 9.1	6.1 3.1 6.0 8.4	2.4 2.3 6.6 14.7	696.7 408.7 382.4 411.3
			Perce	nt Month]	y Product	tion Was	of the 1	Cotal for	the Tea:	r			
1950-53	5.7	10.7	17.0	17.6	18.8	13 <b>.2</b>	6.6	3.7	2.5	1.6	1.2	1.4	100.0
1950 1951 1952 1953 1954	6.3 5.5 6.1 4.4	10.5 8.5 12.6 11.4	16.7 18.8 16.4 16.3	16.2 20.4 16.6 17.9	18.1 21.4 18.6 17.6	13.4 12.1 12.8 14.1	8.4 5.5 5.7 5.4	4.7 3.4 3.2 3.1	3.1 1.9 2.9 2.0	1.4 1.1 1.8 2.2	.9 .8 1.6 2.0	.3 .6 1.7 3.6	100.0 100.0 100.0 100.0

- Note: 1. The production of liquid egg permits salvaging high quality eggs which are not suitable for the shell egg market, such as eggs with irregular shapes, cracked or otherwise abnormal shell conditions, and eggs which are too large or too small.
  - 2. About 3/4 of the volume of liquid egg is produced during the February-June period when production of eggs exceeds consumption.

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XI. MONTHLY UTILIZATION OF LIQUID EGG - United States

·	Jan.	Feb,	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	[ Tota]
		*				1950-53			,				1
Frozen	72.9	74.2	79.3	76.9	72.1	64.3	56.6	61.0	63.5	62.5	61.4	73.1	71.5
For Drying For Immediate	20.1	19.6	17.8	19.7	25.2	32.5	40.0	30.3	32.3	26.1	31.3	20.6	24.4
Consumption	7.0	6.2	2.9	3.4	2.7	3.2	3.4	8.7	4.2	11.4	7.3	6.3	4.1
						1950							1
Frozen	67.7	64.0	66.9	57.1	46.0	31,5	30.4	41.2	39.0	45.8	39.3	57.3	50.8
For Drying For Immediate	26.4	30.9	31.6	40.1	52.4	67.1	67.4	53.0	58.2	45.4	52.1	30.0	46.3
Consumption	5.9	5.1	1.5	2.8	1.6	1.4	2 <b>.2</b>	5.8	2.8	8.8	8.6	12.7	2.9
						<b>19</b> 51			-				1
Frozen	68.2	73.7	87.1	87.0	85.5	80.0	-86.6	79.6	84.1	73.7	83.1	68.6	83.1
For Drying For Immediate	23.4	18.8	10.4	9.6	12.1	16.2	8.2	8.5	9.0	5.3	3.7	11.6	12.4
Consumption	8.4	7.5	2.5	3.4	2.4	3.8	5.2	11.9	6.9	21.0	13.2	19.8	4.5
						195 <b>2</b>					****		1
Frozen	76.9	79.1	87.2	86.4	88.4	86.4	75.7	77.1	85.2	69 <b>.2</b>	74.5	75.8	83.8
For Drying For Immediate	16.8	15.0	9.7	9.2	7₀8	9.3	19.4	11.9	10.8	17.1	19.5	18.0	11.4
Consumption	6.3	5.9	3.1	4.4	3.8	4.3	4.9	11.0	4.0	13.7	6.0	6 <b>.2</b>	4.8
						1953							1
Frozen	86.2	85.4	84.3	87.5	85.1	85.0	76.1	76.3	80.5	70.3	59.8	75.2	83.4
For Drying For Immediate	4.7	7.3	9.9	9.3	10.8	10.4	20.2	13.4	13.8	21.8	35.0	21.6	11.5
Consumption	9.1	7.3	5.8	3.2	4.1	4.6	3.7	10.3	5.7	7.9	5.2	3.2	5.1

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(Percent of Total Production)

Because a large percentage of the volume of liquid egg is produced during the season when egg production Note: 1. exceeds consumption only a small percentage of it is used for "immediate consumption". A large percentage of the volume produced during the surplus production season is frozen and stored and is used during the season of short supply.

2. The volume of liquid egg dried is usually quite low. It rises considerably in a year like 1950 when production is high in relation to the prevailing demand, and egg prices are comparatively low.

## XII. LIQUID EGG PRODUCTS - United States

Year	Total Production of Liquid Egg (Million	Percent of Total	Whole Egg (Million	Percent of Totel	Mixed Whole Egg (Million	Percent of Total	Albumen (Million	Percent of Total	Yolks* (Million	Percent of Total
	Pounds)		Pounds)	l	Pounds)	1	Pounds)		Pounds)	
19 <b>4</b> 0-44 1945-49	887.3 648.4	100.0 100.0	694.6 430.0	78.3 66.3	43.7 52.0	4.9 8.0	79 <b>.</b> 8 94 <b>.</b> 3	9.0 14.6	69 <b>.2</b> 72.1	7.8 11,1
1950 1951 1952 1953 1954	696.7 408.7 382.4 411.3	100.0 100.0 100.0 100.0	448.5 141.5 92.5 114.1	64.3 34.6 24.2 27.7	68.7 75.3 73.5 64.7	9.9 18.4 19.2 15.7	110.7 116.4 132.7 137.6	15.9 28.5 34.7 33.5	68.8 75.5 83.7 94.9	9.9 18.5 21.9 23.1

* Plain yolks, sugared yolks, salted yolks and yolk emulsion.

- Note: 1. There has been a constant increase in the percentage of the volume of liquid egg that was separated, and sold as albumen and yolks.
  - 2. There has been an increase in the percentage of the volume of liquid egg that was prepared and sold as "mixed" whole egg. Mixed whole egg is different from whole egg in that the product has a certain percentage of albumen or yolks as specified by the buyer.

#### XIII. BREEDS OF CHICKENS - United States

(Birds in National Poultry Improvement Plan Hatchery Supply Flocks)

	Number	¶ote]		Percent of	the Total N	umber of Rhode	Birds fr	om Each B	reed	
	of states reporting	number of birds	White Leghorn	Cross Mated (1)	New Hampshire	Island Red	White Rock	Barred Rock	Other Breeds	Total
1943-44 1945-49	40 41	(million) 19.0 26.5	25.9 24.2	I I 7.7 I 12.4	20,0 28.8	8 <b>.2</b> 6 <b>.2</b>	18.6 14.6	13.1 9.1	6.7 4.7	100.0 100.0
1950 1951 1952 1953 1954	47 47 47	33.8 37.6 33.8	21.6 18.9 20.1	1 16.4 1 17.7 1 20.0 1	38.9 41.4 36.2	4.1 3.3 3.2	10.1   11.9   14.8 	5.8   4.0   3.5 	3.1 2.8 2.2	100.0 100.0 100.0

(1) This figure is somewhat arbitrary. In some states cross mated birds are reported under the respective purebred heading, and in some states flocks are cross mated only a part of the year to produce broilers. For the rest of the year they are mated as purebreds for the production of purebred chicks.

Note: 1. There has been a definite trend toward purchasing chicks from Cross Mated parents.

2. The New Hampshire breed has increased.

3. Both White Leghorns and White Rocks have had a slight decline, but have held fairly steady.

4. Barred Rocks have been on a definite decline.

5. The concentration on specific breeds is very noticeable in late years. In 1951, about 90 percent of all breeding stock consisted of New Hampehires, White Leghorns, Cross Mated and White Rocks. The percent was still higher in 1952.

XIV. CHICKS HATCHED BY COMMERCIAL HATCHERIES - U. S.

	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
	1					M 1 1 1	iońs						
1940-44	44.9	103.2	229.7	281.7	242.5	119.7	51.9	34.7	29.7	29.9	29.2	29.2	1226.3
1945-49	59.3	117.9	253.4	315.3	244.2	110.1	60.5	46.3	43.0	47.1	48.1	43.4	1388.6
1950	86.7	141.8	267.0	284.5	214.6	104.7	76.5	75.9	72.9	74.5	70.7	68.3	1538.1
1951	96.0	161.0	270.0	317.0	271.0	143.0	104.8	89.1	76.9	83.0	83.6	. 87.0	1782.4
1952	121.9	190.4	292.5	289.8	216.0	116.6	85.0	78.4	79.9	86.4	87.8	94.7	1739.4
1953	125.2	170.2	277.0	287.5	229.8	136.6	96.8	91.0	86.9	97.9	107.5	116.2	1822.6
1954	138.5	192.8	310.4	308.9	225.3	- 2		•					
			Perce	nt Month	ly Hatch	Was of	the Total	. Hatch	for the	Year			
1940-44	3.7	8,4	18.7	23.0	19.8	9.8	4 2	2.8	2.4	2.4	2.4	2.4	100.0
1945-49	4.3	8.5	18.2	22.7	17.6	7.9	4.4	3.3	3.1	3.4	3.5	3.1	100.0
1950	5.6	9.2	17.4	18.5	14.0	6.8	5.0	4.9	4.7	4.8	4.6	4.5	100.0
1951	5.4	9.0	15.1	17.8	15.2	8.0	5.9	5.0	4.3	4.7	4.7	4.9	100.0
1952	7.0	11.0	16.8	16.7	12.4	6.7	4.9	4.5	4.6	5.0	5 0	5 4	100.0
1953	6.8	9.3	15.2	15.8	12.6	7.5	5.3	5.0	4.8	5.4	5.9	6.4	100.0
1954						· · · · ·						- 	

Note: 1. Over fifty percent of the total number of chicks were hatched during the comparatively short season of March, April, and May in the earlier years of 1940-44 and 1945-49. The situation has changed somewhat because more "early" chicks are being ordered for flock replacement, and more chicks are also being ordered for broiler production throughout the year. The net result has been to level off the seasonal peak and low point in monthly hatchings.

- 2. The length of the main hatching season is affected by prices of eggs and poultry:
  - (a) Favorable egg prices during the winter months stimulate early hatches.
  - (b) Favorable egg prices during the hatching season stimulate late hatches, and unfavorable prices discourage them.
  - (c) Favorable poultry prices stimulate summer hatches for the production of broilers.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
	]				The	ousa	n d s						
1940-44	192	3,044	12,170	19,170	17,413	7,134	296	80			88	00	59,419
1945-49	51	1,600	14,604	22,413	18,066	3,295	79	48	45	44	64	64	60,373
1950	300	2,190	14,420	<b>2</b> 1,640	16,390	1,730	180	170	140	160	210	170	57,700
1951	230	2,660	13,530	20,150	17,265	2,715	200	230	155	130	210	155	57,650
1952	500	2,840	15,200	19,600	12,190	950	<b>20</b> 0	175	145	125	130	130	52,185
1953	500	3,400	15,200	18,800	13,200	1,460	200	190	195	185	210	200	53,740
1954	750	4,600	18,000	18,500	11,500	-				-			
			Percen	t Monthly	Hatch Wa	s of the	Total	Hatch f	for the I	ear			
1940-44	.3	5.1	20.5	32.3	29.3	12.0	.5		~		<b>90</b>		100.0
1945-49	.1	2.6	24.2	37.1	29.9	5.5	.1	.1	.1	.1	.1	.1	100.0
1950	.5	3.8	25.0	37.5	28.4	3.0	<u>,</u> 3	.3	.2	.3	.4	.3	100.0
1951	4	4.6	23.5	35.0	29.9	4.7	.3	.4	.3	.2	.4	.3	100.0
1952	1.0	5.4	29.1	37.7	23.4	1.8	<u>.</u> 4	.3	.3	.2	.2	.2	100.0
1953	.9	6.3	28.3	35.0	24.6	2.7	.4	.3	.4	.3	.4	.4	100.0
1954													

XV. CHICKS HATCHED BY COMMERCIAL HATCHERIES - Minnesota

Note: 1. <u>The Minnesota hatching business is very seasonal</u>. Nearly 90 percent of the chicks are hatched in March, April, and May.

- 2. There is a tendency toward earlier hatching in Minnesota in recent years. This is indicated by larger hatches in February and March, and smaller hatches in May and June compared with the same months in earlier years.
- 3. The increase in late summer and fall hatching reflects the increase in broiler production in Minnesota.

Year	Total Number of Chicks Hatched by Commercial Hatcheries	Chicks Raised for Laying Flock Replacement	Percent of Total Chicks Hatched	Percent of Laying Flock Replacements Purchased as "Sexed" Chicks
	Milli	o n		
194 <b>2-</b> 44	1392.6	89 <b>2</b> .0	64.1	19
1945-49	1388.6	733.0	52.8	25
1950	1538.1	635.0	41.3	32
1951	1782.4	663.0	37.2	33
1952	1739.4	617.0	35.5	37
1953 1954	1822.6	615.0	33.7	42 44(1)

#### XVI. CHICKS HATCHED FOR LAYING FLOCK REPLACEMENTS

## (1) Prelimenary

- Note: 1. The steady decline in the percent of total chicks hatched which are for laying flock replacement. This is due to the increase hatchings for broiler production and to the purchase of "sexed" chicks for flock replacement.
  - 2. The steady increase in the percent of laying flock replacement chicks which are purchased as sexed chicks.

Year	West North Central Region	East North Central Region	North Atlantic Region	Southern Region	Western Region	United States	Minnesota
		Death Loss Perc	entage of Chickens	on Hand Janua	ry l	······································	
1940-44	19.6	19.4	14.7	17.0	19.5	18.2	21.0
1945-49	17.0	18.2	17.4	18.4	19.6	17.9	16.4
1950	16.9	18.7	19.7	19.0	19.8	   18.5	16.7
1951	17.7	19.0	19.3	20,6	21.0	19.3	17.0
1952	18.5	19.8	20.7	22.0	22.8	20.5	17.0
1953 1954	19.8	19.1	22.1	21.7	23.4	20.6	18.0

## XVII. DEATH LOSS OF LAYERS

Note: 1. The death loss of layers has increased in recent years in all regions of the United States. About one out of every five layers was lost during the last several years.

2. The North Atlantic region used to have the smallest death loss of layers, but in recent years the smallest death loss was in the North Central region.

3. Minnesota's death loss of layers was far above the United States average for the period of 1940-44. Since then it has been materially reduced and is now below the United States average and also below the average for the West North Central region.

	Total Chicken					Commercial	-	Aver	age Live W er Bird So	eight 1d	Pric Produ	e to ucers
	Meat	Mature	% of	Young	% of	Broilers	% of	Mature	Young	Commercial	Chickens	
lear	(Million Pounds)	(Million Pounds)	Total	(Million Pounds)	Total	Sold (Million Pounds)	Total	P	ound s	Broilers	( <u>1</u> ) Ce:	nts
						United Sta	tes					
1935-39 1940-44 1945-49 1950 1951 1952 1953 1954	1629 2801 3233 3785 4340 4477 4730	749 1049 1178 1034 973 949 959	46.0 37.5 36.4 27.3 22.4 21.2 20.3	677 1093 989 813 904 829 754	41.6 39.0 30.6 21.5 20.8 18.5 15.9	203 659 1066 1938 2463 2699 3017	12.4 23.5 33.0 51.2 56.8 60.3 63.8	4.8 5.2 5.2 5.3 5.3 5.4 5.4	3.3 3.5 3.7 3.8 3.9 3.9 4.0	2.9 2.9 3.0 3.1 3.1 3.0 3.1	14.8 19.1 27.1 22.3 25.1 22.3 22.3	19.6 23.2 31.7 27.4 28.6 28.8 27.1
+/// I	1 1	1				Minnesot	;a					
1935–39 1940–44 1945–49	20.3 32.3 141.1	7.4 11.8 77.9	36.5 36.5 55.2	11.9 18.5 59.1	58.6 57.3 41.9	1.0 2.0 4.1	4.9 6.2 2.9	4.8 4.9 4.8	3.8 3.9 4.0	2.7 2.7 2.9	16.5 22.6	26.6 34.6
1950 1951 1952 1953 1954	104.4 109.8 100.5 99.8	67.5 62.3 58.7 59.7	64.7 56.8 58.4 59.8	30.3 36.6 30.3 28.1	29.0 33.3 30.2 28.2	6.6 10.9 11.5 12.0	6.3 9.9 11.4 12.0	4.9 4.7 4.8 4.9	4.0 4.1 4.3 4.3	3.0 3.0 2.9 2.9	17.1 19.4 16.5 16.5	28.0 28.8 29.5 27.6

XVIII. CHICKEN MEAT SOLD, LIVE WEIGHT OF BIRDS, AND PRICES RECEIVED - United States

(1) Average price of all chickens sold from farm flocks, including mature and young chickens.

- Note: 1. The percentage of total chicken meat sold in the United States which is supplied from Commercial broiler production has increased. The increase has been comparatively rapid in the last several years.
  - 2. The commercial broiler industry in Minnesota supplies only a small percentage of the total poultry meat sold in the state. However, considerable growth in the broiler industry is indicated.
  - 3. The average weight of mature chickens sold in Minnesota is lower than the U.S. average. This very likely is the result of a larger percentage of Leghorn and other "egg laying" flocks in Minnesota compared with the United States.

	Appro	ximate Average Wei	lghts	A	poroximate Shrinkag	es
	<u> </u>		Ready to	Live to	Live to	Dressed to
Kind and Class	Live	Dressed (2)	Cook (3)	Dressed	Ready to Cook	Ready to Cook
		Pounds	–		Percent	
Chickens:						
Hens	5 <b>.5</b>	4.9	3.7	10.5	32.5	25.0
Roasters	5.0	4.5	3.4	10.5	33.0	25.0
Broilers, Fryers	3.0	2.6	1.9	11.5	36.0	28.0
All Chickens	4.0	3.6	2.6	11.0	35.0	27.0
Turkeys:						
Hens and Toms	11,0	9.8	8.2	11.0	25.5	16.5
Hens and Toms	18.0	16.2	13.9	10.0	23.0	14.5
Hens and Toms	27.0	24.6	21.2	9.0	21 .5	13.5
Fryers	7.0	6.2	5.0	12.0	28.0	18.0
All Turkeys	18.5	16.6	13.9	10.0	25.0	16.5
Ducks	6.0	5.3	4.2	11.0	30.5	22.0
Geese	14.0	12.4	10.2	11,5	27.5	18.0

## XIX. APPROXIMATE AVERAGE WEIGHTS AND PROCESSING SHRINKAGES IN POULTRY (1)

(1) Based on data from various sources, including large-volume commercial operations and studies made under laboratory conditions.

(2) Dressed poultry has had only the blood and feathers removed.

(3) Ready to cook poultry has had the blood, feathers, head and feet removed and has been drawn (eviscerated). Ready to cook weights include abdominal fat, if any, and neck and giblets.

Note: 1. There is a substantially larger shrinkage in young birds than in mature birds. This is indicated for both turkeys and chickens.

2. Chickens have a much larger shrinkage than turkeys, and also a larger shrinkage than geese and ducks.

3. Turkey fryers (broilers) have a considerably lower shrinkage than chicken broilers and fryers.

#### XX. MID-MONTH FARM PRICES RECEIVED FOR CHICKENS - United States

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Simple Annual Average
				1	farm Chic	kens* -	Cents Pe	r Pound					
1930–34 1935–39 1940–44 1945–49	13.5 14.6 17.7 27.0	13.5 14.8 18.0 26.8	13.8 15.1 18.5 27.8	14.3 15.6 19.1 28.2	13.9 15.4 19.5 27.7	13.5 15.2 19.4 27.6	13.4 14.8 19.4 28.0	13.3 14.6 19.7 27.6	13.5 15.1 19.8 27.3	12.7 14.7 19.8 26.6	12.2 14.4 19.4 25.2	11.7 14.1 19.3 26.1	13.4 15.1 19.3 27.2
1950 1951 1952 1953 1954	21.5 24.9 25.0 23.2 21.6	21.5 27.1 24.9 24.0 21.7	23.3 28.7 24.9 25.2 22.4	22.5 29.0 24.0 24.9 21.0	21.8 29.3 22.5 24.8	21.0 27.0 21.7 22.9	22.3 26.4 21.8 23.0	24.1 24.6 22.4 22.7	22.9 23.9 21.9 21.6	21.3 23.0 20.6 20.2	22.0 22.6 21.6 20.8	22.6 23.3 22.2 21.0	22.2 25.8 22.8 22.9
				Com	nercial H	Broilers	- Cents	Per Poun	đ	-	-		-
1952 1953 1954	28.8 27.9 24.6	29.3 27.7 22.6	28.1 28.1 4	27.1 28.0 24.5	25.3 27.2	26.8 26.2	29.3 28.3	31.0 27.9	31.3 27.1	29.1 26.7	31.6 28.0	29.7 23.2	29.0 27 <b>.2</b>

Does not include commercial broilers.

- Note: 1. The mid-month price for chickens does not vary greatly from month to month. This is quite different from the large variation in monthly egg prices.
  - 2. The average mid-month prices for chickens during the period of 1945-49 and in later years were about double what they were in the ten year period of 1930-39.
  - 3. Although chicken prices have been considerably below parity during the last several years, production of poultry meat has continued at a comparatively high level. This is the result of increased efficiency and lower production costs compared with earlier years.

Year	Jan.	Feb,	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Simple Annual Average
				F	arm Chic	kens* -	Cents Pe	r Pound					
1940-44 1945-49	14.6 21.4	14.6 20.9	14.9 21.0	15.3 21.3	16.1 21.6	16.1 21.8	16.7 23.5	17.2 23.5	17.4 23.2	16.5 22.7	16.0 21.1	16 <b>.5</b> 20 <b>.</b> 9	15.9 21.9
1950 1951 1952 1953 1954	15.5 17.0 17.5 17.0	15.0 20.0 17.2 18.0	<b>15.0</b> 22.0 16.1 19.0	16.0 24.0 16.0 20.0	14.5 25.0 14.5 21.0	15.5 20.5 15.5 18.0	16.5 21.0 16.0 19.5	19.0 20.0 18.0 19.0	18.5 20.0 17.0 18.0	16.5 18.0 16.0 16.0	16.0 17.0 15.5 16.0	16.0 17.0 16.5 16.5	16.2 20.1 16.3 18.2
				Con	mercial	Broilers	- Cente	Per Pou	ın <b>d</b>				
1952 1953 1954	28.0 29.0	28.5 29.0	28.5 28.0	28.0 28.0	28.0 28.0	27.5 28.0	27.0 28.5	27.5 27.5	28.5 27.5	27.5 25.5	30.0 25.5	29.5 25.5	28.2 27.5

## XXI. MID-MONTH FARM PRICES RECEIVED FOR CHICKENS - Minnesota

Does not include commercial broilers.

- Note: 1. Minnesota broiler prices were consistently higher than the U.S. average in the earlier periods (see Table XVIII). This was the result of limited production and special local market outlets. With increased broiler production in Minnesota, this spread in price has practically disappeared. (Compare Table XX and XXI and also see Table XVII)
  - 2. Minnesota chicken prices have been consistently lower than the U. S. average. The chicken meat enterprise (young and mature chickens) is largely supplementary to the egg enterprise in Minnesota. A large proportion of the chicken meat comes from egg laying breeds and strains. Farm prices are the residual of prices paid by consumers, less the costs of transportation and handling. A lower cost of production in Minnesota, especially a lower feed cost, compared with other areas, is another reason why Minnesota producers can market chickens at lower farm prices than producers in some of the other areas.

							Lamb	and	Tota	.1	1	
Year	Por	k	Bee	<u>f</u>	Vea		Mutt	on	Red M	leat		Lard
	Million Pounds	% oi Total Meat	Million Pounds	% ©I Total Meat	Million Pounds	% oi Total Meat	Million Pounds	% oI Total Meat	Million Pounds	% oi Total Meat		Million Pounds
1930-34 1935-39 1940-44 1945-49	8,755 7,337 11,478 10,538	44.3 38.9 44.4 39.2	6,500 6,937 8,357 9,720	32.9 36.8 32.3 36.1	915 1,038 1,215 1,494	4.6 5.5 4.7 5.6	859 870 994 834	4.3 4.6 3.9 3.1	17,029 16,182 22,043 22,586	86.5 85.9 85.3 84.0		2,296 1,630 2,567 2,292
1950 1951 195 <b>2</b> 1953 1954	10,714 11,483 11,547 10,177	39.9 42.0 40.3 33.2	9,538 8,843 9,667 12,397	35.5 32.3 33.7 40.5	1,230 1,061 1,173 1,552	4.6 3.9 4.1 5.1	597 5 <b>21</b> 648 731	2.2 1.9 2.3 2.4	22,079 21,908 23,035 24,857	82.1 80.1 80.3 81.2		2,631 2,864 2,886 2,413
Year	Chick	cen	Turk	ey	Tota Poultry	Meat		Tota Red and	l of All Poultry M	leat		Human Population
	Million Pounds	% of Total Meat	Million Pounds	% of Total Meat	Million Pounds	% of Total Meat	-	Milli Pound	% of on Total s Meat			Million
1930-34 1935-39 1940-44 1945-49 1950 1951 1952 1953 1954	2,405 2,307 3,316 3,678 4,081 4,598 4,704 4,901	12.2 12.2 12.8 13.7 15.2 16.8 16.4 16.0	255 350 482 627 736 839 938 872	1.3 1.9 1.9 2.3 2.7 3.1 3.3 2.8	2,660 2,657 3,798 4,305 4,817 5,437 5,642 5,773	13,5 14.1 14.7 16.0 17.9 19.9 19.7 18.8		19,68 18,83 25,84 26,89 26,89 27,34 28,67 30,63	9 100.0 9 100.0 1 100.0 1 100.0 6 100.0 5 100.0 7 100.0 0 100.0			126.5 130.7 132.4 142.5 152.3 153.2 155.5 158.3 161.1

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XXII. RED MEAT AND POULTRY MEAT PRODUCTION - U. S.

Year	Pork	Beef	Veal	Lamb and Mutton	Total Red Meat	Lard
19 <b>39-3</b> 4 1935-39 1940-44 1945-49	119 100 156 144	94 100 120 140	88 100 117 144	99 100 114 96	105 100 136 140	141 100 1 <i>5</i> 7 1 <b>41</b>
1950 1951 1952 1953 1954	146 157 157 139	137 127 139 179	118 102 113 150	69 60 74 84	136 135 142 154	161 176 177 148
Year	Chicken	Turkey	Tetal Poultry Meat	Total Red and Poultry Meat		Index of Human Population
1930-34 1935-39 1940-44 1945-49	107 100 143 158	73 100 139 179	103 100 142 161	105 100 137 143		97 100 101 109
1950 1951 1952 1953 1954	175 198 202 212	210 240 264 249	179 203 210 217	143 145 152 163		117 117 119 121 123

Index of Red Meat and Poultry Meat Production - U. S.

Note: 1. Total meat production was at a low level during the 1935-39 period. This period included two drouth years. There was less feed available for livestock and less meat produced.

2. There has been a substantial increase in <u>total</u> meat production since 1935-39. Meat production has increased at a more rapid rate than human population.

3. The largest percentage increase in meat production since 1935-39 was in poultry and especially turkey.

4. The production of lamb and mutton has declined since the 1935-39 period.

			Index - 19	35-39 Ann	ual Average	= 100				
Year	Po	rk	Ве	ef	Ve	al	Lamb and	Mutton	All Red	Meat
Annual Average	Pounds	Index	Pounds	Index	Pounds	Index	Pounds	Index	Pounds	Index
1910–14 1915–19 1920–24 1925–29 1930–34 1935–39 1940–44 1945–49	65.1 63.0 67.5 66.9 67.3 55.7 71.8 68.6	117 113 121 120 121 100 129 123	64.8 61.1 57.8 53.8 51.2 54.8 56.4 62.6	118 111 105 98 93 100 103 114	6.6 6.8 7.9 7.3 7.1 8.1 8.6 10.1	81 84 97 90 88 100 106 125	7.1 5.3 5.4 5.3 6.7 6.7 5.6	106 79 81 79 100 100 100 84	143.6 136.2 138.6 133.3 132.3 125.3 143.5 146.9	115 109 111 106 106 100 115 117
1950 1951 1952 1953 1954	68.1 70.6 71.6 63.6	122 127 129 114	62.5 55.2 61.2 76.3	114 101 112 139	7.9 6.6 7.1 9.4	97 81 88 116	3.9 3.4 4.1 4.4	58 51 61 66	142.4 135.8 144.0 153.7	114 108 115 123

A. Red Meat

Note: 1. Per capita consumption of <u>red</u> meats has been fairly uniform over a long period of time, varying somewhat with employment and consumer purchasing power. It increased substantially in 1953 because there was an abundant supply of beef, and prices to consumers were quite favorable.

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Year	Chic	ken	Turk	ey	All Poul	try Meat		All me Red Mea Poultry	at - t and Meat		Eee	
Annual Average	Pounds	Index	Pounds	Index	Pounds	Index		Pounds	Index		Number	Index
1910–14 1915–19 1920–24 1925–29 1930–34 1935–39 1940–44 1945–49	20.0 18.4 18.7 20.1 19.9 17.9 23.8 25.0	112 103 104 112 111 100 133 140	2.0 2.0 2.0 2.0 2.6 3.4 4.1	77 77 77 77 100 131 158	22.0 20.4 20.7 22.1 21.9 20.5 27.2 -29.1	107 100 101 108 107 100 133 142	-	165.6 156.6 159.3 155.4 154.2 145.8 170.7 176.0	114 107 109 107 106 100 117 121	-	309 296 313 334 311 298 325 382	104 99 105 112 104 100 109 128
1950 1951 1952 1953 1954	26.4 28.8 29.6 29.4	147 161 165 164	4.8 5.2 5.4 5.0	185 200 208 192	31 <b>.2</b> 34.0 35.0 34.4	152 166 171 168		173.6 169.8 179.0 188.1	119 116 123 129		383 395 407 397	129 133 137 133

B. Poultry Meat, All Meat and Eggs

Note: 1. Low production resulted in a low level of consumption of <u>all</u> meats during the period of 1935-39.

- 2. There has been a substantial increase in per capita consumption of both meat and eggs since the late thirties. The largest increase in per capita consumption of meat was in poultry meat and especially in turkey.
- 3. Per capita consumption of <u>all</u> meats was at a high level during the last number of years. This was largely the result of full employment and high purchasing power.

Year	Ege	<u>,s</u>	Chicke	ns	Commerc Broiler	ial s_(1)	Turke	ys	     All Poul	try (2)	Total Ca Receipts Farm Mar	sh from _ keting
	Million Dollars	% of Total	Million	% of Total	Million	% of Total	Million	% of Total	Million	% of :	Million	% of Total
	Dollars	LUGAL	DUITAIS	SOUGL	DUITAIS	TOPET	DUITAIS	TOVAL	DUITAIS	TOPAT	DUTTATS	30 641
1935-39 1940-44 1945-49 1950 1951 1952 1953	485 992 1716 1564 2093 1877 2185	6.2 6.6 6.4 5.5 6.4 5.8 7.1	213 431 585 411 472 396 381	2.7 2.9 2.2 1.5 1.4 1.2 1.2		1.1 1.3 1.9 2.1 2.4 2.6	63 135 252 262 341 342 318	.8 .9 1.0 .9 1.1 1.1 1.0	812 1719 2906 2767 3609 3393 3701	10.2 11.5 10.9 9.8 11.0 10.5 11.9	7,954 14,926 26,761 28,328 32,799 32,373 30,975	100.0 100.0 100.0 100.0 100.0 100.0 100.0
1954						Minnesot	ta		!			
1935-39 1940-44 1945-49 1950	19.0 58.6 111.9 89.1	5.7 9.2 6.6 7.5	10.1 22.9 30.8 16.7	3.1 3.6 1.8 1,4	 .6 1.4 1.8	.1 .1 .2	5.2 12.0 24.5 25.4	1.6 1.9 1.5 2.1	34.3 94.1 168.6	10.4 14.8 10.0 11.2	329 634 1,148 1,188	100.0 100.0 100.0
1951 1952 1953 1954	119.7 100.8 123.0	6.9 6.8 9.7	19.2 14.6 15.4	1.1 1.0 1.2	3.1 3.3 3.3	.2 .2 .3	30.9 29.5 28.5	1.8 2.0 2.3	172.9 148.2 170.2	10.0 10.0 13.5	1,276 1,275 1,262	100.0 100.0 100.0

## XXIV. CASH RECEIPTS FROM POULTRY AND PERCENT OF TOTAL FARM MARKETINGS

(1) Includes consumption in household of producers, which is less than 1 percent of production.

(2) Does not include ducks, geese, and "other poultry" which is about 1 percent of farm receipts for poultry.

- Note: 1. Cash receipts from all poultry and poultry products in the United States and in Minnesota have been averaging 10 to 12 percent of the total cash receipts from farm marketings.
  - 2. The egg enterprise is comparatively important in the Minnesota poultry industry. Cash receipts from eggs constitute a higher percentage of total cash farm receipts than for the United States as a whole.
  - 3. The commercial broiler enterprise is on the increase in Minnesota, but to date is contributing only a small amount to the total cash farm receipts in Minnesota.
  - 4. Minnesota is an important turkey state. Cash receipts from turkeys have in recent years ranged from 17 to 20 percent of cash receipts from all poultry and poultry products. The cash receipts from turkeys constitute over 2 percent of total cash farm receipts compared with about 1 percent for the United States as a whole.

## XXV. TURKEYS RAISED ON FARMS

Year	West North Central Region	East North Central Region	North Atlantic Region	Southern Region (1)	Western   Region	I   United States	Min	nesota
	% of Mil. Total	% of Mil. Total	   % of   Mil. Total	   % of   Mil. Total	 	   % of   <u>Mil. Total</u>	% of No U.S. Mil.Total	% of West orth Central Region Total
1930-34 1935-39 1940-44 1945-49	5.5 26.7 8.2 30.4 10.3 31.0 10.2 26.9	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	.9 4.4 1.6 5.9 2.2 6.6 3.5 9.2	   8.1 39.3   8.4 31.1   8.0 24.1   7.9 20.8	4.6 22.3 6.6 24.4 9.7 29.2 11.9 31.3	20.6 100.0 27.0 100.0 33.2 100.0 38.0 100.0	1.7 8.3 2.2 8.1 3.1 9.3 3.6 9.5	30.9 26.8 30.1 35.3
1950 1951 1952 1953 1954	11.1 25.4 12.3 23.4 12.9 21.2 13.4 23.7	5.4 12.3 6.1 11.6 7.1 11.7 7.2 12.8	3.9 8.9 4.3 8.2 5.3 8.7 4.7 8.3	10.2 23.3 13.5 25.7 17.7 29.1 15.2 26.9	13.2 30.1 16.3 31.1 17.8 29.3 16.0 28.3	   43.8 100.0   52.5 100.0   60.8 100.0   56.5 100.0	4.1 9.4 4.6 8.8 5.2 8.6 5.6 9.9	36.9 37.4 40.3 41.8

(1) Includes South Atlantic and South Central Regions.

- Note: 1. The number of turkeys raised in the United States increased steadily up to 1952. The increase in production was shared by all regions, however some regions increased more than others.
  - 2. In late years Minnesota has produced about 2/5 of all the turkeys in the West North Central region, and about 9 percent of the total for the United States.

## XXVI. DEATH LOSS OF TURKEYS

Year	West North Central Region	East North Central Region	North Atlantic Region	Southern Region (1)	Western Region	United States
1940-44 1945-49	26.0 16.4	22.5 17.2	20.5 16.2	37.0 25.0	21.5 15.4	28.1 18.5
1950 1951 1952 195 <u>3</u> 1954	15.0 13.0 12.0 10.0	15.0 14.0 13.0 11.0	12.0 11.0 10.0 9.0	20.0 17.0 16.0 10.0	14.0 10.0 10.0 9.0	15.6 12.9 12.6 9.4
	B.	Breeding Stock Lost	; - Percent of Breede	ers on Hand Jan.	1	
1940-44 1945-49	11.0 7.2	10.0 8.2	8.0 7.0	12.9 11.0	7.3 5.6	10.9 8.1
1950 1951 195 <b>2</b> 1953 1954	7.0 7.0 7.0 6.0	8.0 8.0 6.0 6.0	7.0 7.0 6.0 8.0	9.0 9.5 6.0 6.5	7.0 6.0 5.0 5.0	7.9 7.5 5.7 6.1

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(1) Includes South Atlantic and South Central Regions.

- Note: 1. Great progress has been made in all regions in reducing death losses of turkey breeding stock and young turkeys.
  - 2. Both the Western and North Atlantic regions have had consistently lower death losses of young turkeys than the West North Central region. With only a few exceptions these regions have also had lower death losses of breeding stock.

Year	Bronze and	Percent	Beltsville	Percent	Total	Percent
	Other Heavy	of	and Other	of	All	of
	Breeds	Totel	Light Breeds	Total	Breeds	Total
<u> </u>	(000)	20002	(000)	2000	(000)	20001
1951	138	81.1	32	18.9	170	100.0
1952	171	77.4	50	22.6	221	100.0
1953	158	78.6	43	21.4	201	100.0
1954	145	58.9	101	41.1	246	100.0

XXVII. SHIFT TO BELTSVILLE WHITE AND OTHER SMALLER TURKEYS AND SOURCE OF TURKEY HATCHING EGGS - Minnesota

## B. Source of Turkey Eggs for Minnesota Hatcheries

1		Percent		Percent		Percent
Year	Minnesota Flocks	of Total	Other States	of Total	All Eggs	of Total
1041	(000)		(000)	100001	(000)	100041
1951	6,736	64.0	3,789	36.0	10,525	100.0
1952	9,318	73.3	3,395	26.7	12,733	100.0

Note: 1. The shift to the production of Beltsville and other light breed turkeys is indicated by the large increase in the number of breeder hens of these breeds on hand January 1. Since 1952 there has been a considerable decline in the number of Bronze breeder hens kept in Minnesota.

During the last several years Minnesota has produced a larger percentage of its turkey hatching eggs.
 A higher proportion of Beltsville eggs were produced in Minnesota than the proportion of Bronze.

#### XXVIII. AVERAGE LIVE WEIGHT OF TURKEYS SOLD

		West	; North	Central	Region			East N	forth C	entral I	Region		Nor	th Atla	antic Re	gion
Year		Her	ns Toms	Fryers	A11			Hens	Toms	Fryers	A11		Hens	Toms	Fryers	A11
	1		Por	unds					Pou	nds				Ρου	ınds	
1930-34					13.6						14.1					14.0
1935-39					14.6						14.8					14.8
1940-44	}	12,	5 18.9		15.7			12.5	18.5		15.5		12.6	18.9		15.8
1945 <b>-49</b>		13.	9 22.6		18.2			13.7	21,4	845	17.6		13.4	20.6		17.0
1950		14.	2 23.6		18.9			14.2	22.6		18.4		13.7	21.1		17.4
1951	1	14.	0 23.5		18.7			14.1	22.5		18.3		13.6	21.1		17.4
1952		14.	0 24.2	7.3	18.2			14.5	23.5	7.9	17.1		14.0	22.0	8.0	14.4
1953	}	14.	2 24.9	7.8	17.2			14.8	24.2	7.8	16.5		14.5	23.0	8.8	15.4
1954	]												2	-		
	s	outherr	Region		W	estern	Region		1	United	1 States		1	Minne	esota	
Tear	Hens	Toms	Fryers	A11	Hens	Toms	Fryers	A11	Hen	s Toms	Fryers	A11	Hens	Toms	Fryers	A11
		Pou	nds			Pou	. n d s		1	Ροι	nds		E.	Pou	n d s	
1930-34	<u></u>			13.6		-	_*	14.5				13.8				13.8
1935-39				14.3				15.7	1			14.8				14.6
1940-44	12.2	17.8		15.0	13.5	21.5		17.6	1 12.8	3 19.3		16.1	12.2	19.2		15.7
1945-49	12.9	19.9		16.4	14.7	24.8		19.8	1 13.9	22.4		18.1	13.8	22.6		18.2
1950	13.0	20.2		16.6	15.0	25.4		20.2	1	23.0		18.6	141	23 8		10 0
1951	12.4	19.1		15.8	14.3	24.7		19.3	1 13 /	5 22.2		17 9	13.8	23 4		18 6
1952	13.9	21.5	7.7	15.1	15.0	26.0	7.7	18.5	14 14	2 22 7	76	160	13 6	23 7	70	171
1953	14.0	21.7	7.5	15.4	14.9	26.4	7.9	19 1	1 14	5 24 3	80	17 0	14.8	24.2	(•7 7 8	+(•± 16 ⊈
1954							1 • /	±/•⊥	1 - ^{-,} •,	, ~ <b>-</b> •)	0.0	±/ °∩	1 17.0	~~~~	(•0	ر.01

- Note: 1. It appears that the weight at which Bronze hens and toms (large turkeys) are being marketed is still increasing. Turkey fryers (Beltsvilles and other small turkeys) were not separately reported until 1952. The inclusion of fryers in reporting the average live weight of hens and toms in 1950 and 1951 reduced the average weight figure so that it is not entirely comparable with the figures for 1952 and 1953 nor for earlier years when very few small breed turkeys were raised.
  - The average live weight of turkeys sold is the largest in the Western region and lowest in the Southern region.
     The average live weight of turkeys sold in the West North Central region and in Minnesota is comparatively large, even though a much larger percentage of the turkeys are marketed before November 1 than in other regions of the country. (See Table XXIX)

	A. Percent of	A. Percent of Turkeys Marketed in the Different $Seasons^{(1)}$ - United States											
Year	Before August 1	August - October	November	December	January or Later								
1940-44 1945-49	(2) (2)	11.1 20.9	40.6 38.4	35.6 30.0	12.6 10.7								
1950 1951 195 <b>2</b> 1953 1954	(2) (2) 8.9 9.0	23.3 36.1 33.5 35.8	39.0 33.8 30.5 30.2	29.2 22.7 21.2 20.2	8.5 7.4 5.9 4.8								

(1) Breeders not included.

(2) Included in August to October figure before 1952.

в.	Percent	of	Turkeys	Marketed	Before	November	in	the	Different	Regions
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Year	Western Region	West North Central	East North Central	North Atlantic	<b>S</b> outhern Region	United
1951	37.6	38.6	29.3	26.3	38.0	i 36.1
1952	40.9	51.1	33.0	26.3	43.4	I <b>42.</b> 4
1953(3)	44.6	52.7	33.8	23.4	48.0	I 44.9

(3) Intentions

- Note: 1. The marketing of turkeys is still highly seasonal, although it is less seasonal than in the earlier periods of 1940-44 and 1945-49. More than half of the turkeys are still being marketed in November and December.
  - 2. A higher percentage of the young turkeys raised in the West North Central region are sold in October and earlier compared with other regions. One reason is the abundant feed supply in the region and continuous heavy feeding up to maturity. Another reason is the distance to major consuming centers requiring that the birds move into market channels at an earlier date so that they can be offered on the holiday market.

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Simple Annual Average
				υ. 9	S. Prices	- Mid-M	ionth (Ce	ents Per	Pound)				1
1940-44 1945-49	22.4 37.2	22.0 35.3	21.8 34.8	21.7 34.7	21.4 33.2	21.1 32.9	21.2 34.2	21.8 34.9	<b>22.7</b> 35 <b>.</b> 8	<b>23.7</b> 36.8	25.8 37,2	26.9 38.9	25.9 35.5
1950 1951 195 <b>2</b> 1953 1954	32.6 33.9 37.1 33.6 33.2	31.6 34.5 36.1 33.3 32.7	31.6 35.3 34.5 33.6 33.1	30.1 35.3 34.5 33.3 32.8	<b>27.4</b> 35.4 32.0 32.5 30.5	28.8 35.8 32.3 31.7 30.1	30.5 35.3 31.9 32.3	33.9 35.3 32.6 32.7	33.4 36.3 33.2 32.4	31.7 35.8 32.9 33.3	32.5 37.8 33.7 33.9	34.3 39.6 34.6 34.4	31.5 35.9 33.8 33.1
					<b>V.</b> S.	Effectiv	e Parity	<b>Prices</b>					
1950 1951 1952 1953 1954	35.9 38.6 40.2 38.6 37.8	39.2 40.3 38.4 37.8	39.8 40.3 38.5 37.9	40.2 40.5 38.2 37.9	40.0 40.5 38.2 38.1	36.9 40.2 <b>40.0</b> 37.7 37.8	36.9 40.0 40.0 38.1	37.2 40.0 40.2 38.1	37.6 40.0 39.8 37.9	37.6 40.2 39.5 37.8	37.9 40.3 39.3 37.9	38 <b>.2</b> 40 <b>.3</b> 39.3 38.1	39.9 40.0 38.1
				Percer	t That U	. S. Far	m Prices	Were of	Parity				
1950 1951 1952 1953 1954	90.8 87.8 92.3 87.0 87.8	88.0 89.6 86.7 86.5	88.7 85.6 87.3 87.3	87.8 85.2 87.2 86.5	88.5 79.0 85.1 80.0	78.0 89.1 80.8 84.1 80.0	82.7 88.3 79.8 84.8	91.1 88.3 81.1 85.8	88.8 90.8 83.4 85.5	84.3 89.1 83.3 88.1	85.8 93.8 85.8 89.4	89.9 98.3 88.0 90.3	90.0 84.5 86.9

Note: 1. Turkey prices have been about 50 percent higher during the early 1950's compared to the prices which prevailed during the 1940-44 period.

2. Turkey prices have been fluctuating between 80 to 90 percent of parity. This has been a sufficient incentive to bring forth the necessary supply, with occasional threats of an "over supply".

Tear	Jan.	Feb,	Mar,	April	May	June	July	Aug	Sept.	Oct.	Nove	Dec.	Simple Annual Average
				I	Prices -	Mid-Mont	h (Cents	Ber Pou	und)				
1950 1951 195 <b>2</b> 1953 1954	34.0 36.0 39.0 35.0 35.0	35.0 36.0 36.0 37.0 32.0	35 <b>.0</b> 39.0 35.0 38.0 31.0	33.0 38.0 36.0 37.0 31.0	24.5 37.0 31.0 35.0 31.0	30.0 37.0 30.0 33.0 31.0	33.0 37.0 31.0 32.0	38.0 38.0 31.0 33.0	34.5 39.0 32.0 33.0	31.0 35.0 31.0 33.0	31.0 36.0 32.0 33.0	35.0 38.0 34.0 33.0	32.8 38.3 33.2 34.3
		Per	cent Tha	t Minneso	ta Turke	y Prices	Were of	U. S. H	Effe <b>ctive</b>	Parity H	Prices		
1950 1951 1952 1953 1954	94.7 93.3 97.0 90.7 92.6	91.8 89.3 96.3 84.7	98.0 86.8 98.7 81.8	90.5 88.9 96.9 81.8	92.5 76.5 91.6 81.4	81.3 92.0 75.0 87.5 82.0	89.4 92.5 77.5 84.0	102.2 95.0 77.1 86.6	91.8 9 <b>7.5</b> 80.4 87.1	82.4 87.1 78.5 87.3	81.8 89.3 81.4 87.1	91.6 94.3 86.5 86.6	96.0 83.0 90.0

## XXXI. FARM PRICES RECEIVED FOR TURKEYS - Minnesota

Note: 1. Minnesota turkey prices are usually below the U.S. average during the heavy marketing season of October, November and December. During this season a large proportion of the dressed turkeys are exported to other states. During the remainder of the year Minnesota prices are usually above the U.S. average. This is probably a reflection of a high proportion of local sales and a saving in costs of transportation, which in turn is reflected in a higher price to producers.



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