

State of Iowa

1930

Forty-fourth Annual Report

Dairy and Food Division

OF THE

Iowa Department of Agriculture

For the Year Ending December 31, 1930

Reprinted from the
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of Agriculture

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Des Moines

Dairy and Food Division

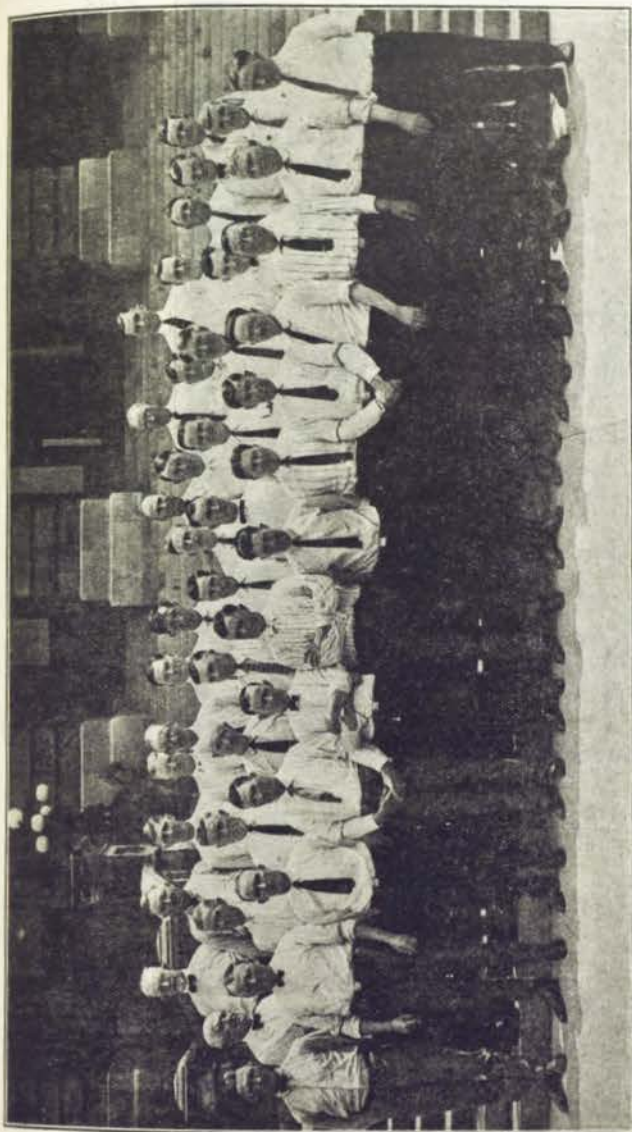
LETTER OF TRANSMITTAL

HON. DAN W. TURNER, *Governor:*

Sir: I have the honor to transmit herewith the Forty-fourth Annual Report of the Dairy and Food Division of this department for the year ending December 31, 1930, as a part of the thirty-first Iowa Year Book of Agriculture.

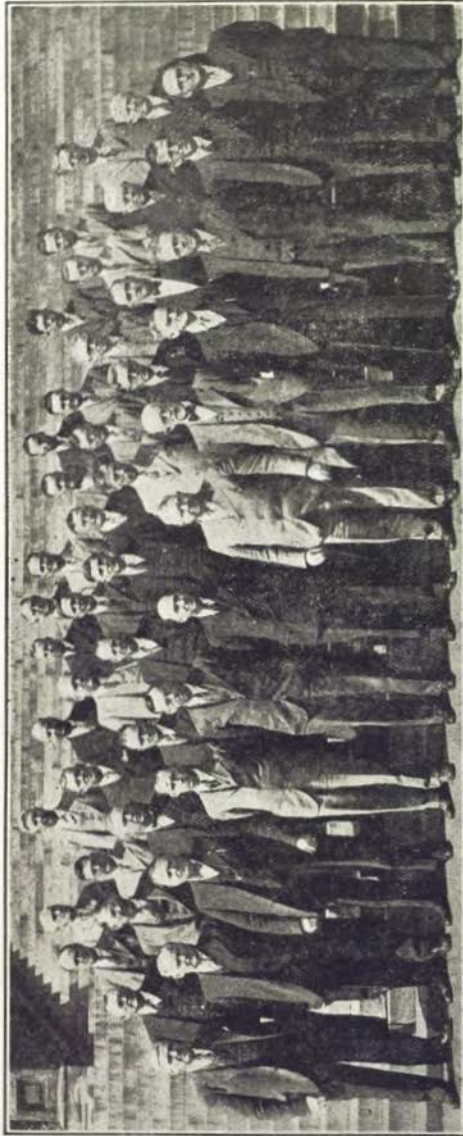
M. G. THORNBERG,
Secretary, Iowa Department of Agriculture.

Des Moines, Iowa, January 1, 1931.



PERSONNEL OF THE DAIRY AND FOOD DIVISION IN 1933

Bottom Row—Willits, Broers, Utterback, Robertson, McGuiness, Cassidy, Oatman, Woodwise, Schultz, Pagn, Johnson, Brownlee, Riffert. Second Row—Thompson, Hart, Newland, Mines, Scotlen, Evans, Nolte, Fife, Mittelstadt, Day, Barker, Rogie, Third Row—Clark, Thomas, Long, Redfern, McElroy, Stephenson, White, Odell, Thornburg, Susse, Malcolm, Clarke, McArthur, Ryan, Countryman, Barney.



PERSONNEL OF THE DAIRY AND FOOD DIVISION IN 1931

First Row—C. S. Bogle, E. J. Reed, D. T. Broers, Burr Willis, C. N. Kennedy, M. G. Thornburg, B. O. Brownlee, R. G. Clark, C. N. Hart, F. D. Payne, B. F. Schultz and L. E. Utterback. Second Row—T. A. Clarke, Fred Susle, F. W. Johnson, S. W. Hoover, S. S. Rygh, R. E. Long, C. J. Babbe, A. A. Nolte, W. W. Newland, W. W. Stephenson, F. W. Barker, W. W. Thompson, O. P. Thompson, A. E. Robertson, Peter White, E. E. Mittlestadt, C. E. Behnke, Fred Susle, D. I. Short, H. W. McElroy, R. V. Barker, A. B. Briggs, Frank Johnson, Evelyn Rees, Kathryn Birmingham, Grace Snyder, Mildred Lidell, A. J. Newquist, H. W. McElroy, Roy Scoles, E. L. Redfern, J. D. Flete, J. D. Flete, A. A. Nolte, B. Briggs, J. W. Reese, A. W. Day, J. G. Griffin and R. C. Meehan.

DEPARTMENT OF AGRICULTURE

Des Moines, Iowa

M. G. THORNBURG,
Secretary

C. N. KENNEDY,
Assistant Secretary

OFFICERS AND EMPLOYEES OF THE DAIRY AND FOOD DIVISION

Chief	R. G. Clark	Des Moines
Chief of Inspectors	B. O. Brownlee	Des Moines
Chief Chemist	E. L. Redfern	Des Moines
Assistant Chemist	R. C. Meehan	Des Moines
Assistant Chemist	J. G. Griffin	Des Moines
Chief Record Clerk	C. S. Bogle	Des Moines
Chief Clerk	A. W. Day	Des Moines
License Clerk	J. W. Reese	Des Moines
State Inspector	J. B. Frisbie	Sheldon
State Inspector	F. L. Odell	Sioux Rapids
State Inspector	T. A. Clarke	West Bend
State Inspector	Guy Thomas	Clear Lake
State Inspector	Roy Scoles	Nashua
State Inspector	C. N. Hart	McGregor
State Inspector	D. T. Broers	Dyersville
State Inspector	F. D. Ford	Davenport
State Inspector	F. D. Payn	Muscatine
State Inspector	Burr Willis	Burlington
State Inspector	A. A. Nolte	Ottumwa
State Inspector	L. E. Utterback	Charlton
State Inspector	S. W. Hoover	Mt. Airy
State Inspector	R. E. Long	Shenandoah
State Inspector	S. S. Rygh	Council Bluffs
State Inspector	W. A. Carrier	Sioux City
State Inspector	B. F. Schultz	Sac City
State Inspector	Elmer Reed	Fort Dodge
State Inspector	J. D. Flete	Iowa Falls
State Inspector	A. L. Landis	Waterloo
State Inspector	F. W. Stephenson	Oelwein
State Inspector	W. W. Newland	Cedar Rapids
State Inspector	O. P. Thompson	Iowa City
State Inspector	A. E. Robertson	Oskaloosa
State Inspector	Peter White	Atlantic
State Inspector	E. E. Mittlestadt	Carroll
State Inspector	C. E. Behnke	Ames
State Inspector	Fred Susle	Marshalltown
State Inspector	D. I. Short	Des Moines
State Inspector	H. W. McElroy	Des Moines
Heavy Scale Inspector	R. V. Barker	Clear Lake
Heavy Scale Inspector	A. B. Briggs	Ottumwa
Heavy Scale Inspector	Frank Johnson	Des Moines
Assistant Record Clerk	Evelyn Rees	Des Moines
Stenographer	Kathryn Birmingham	Des Moines
Stenographer	Grace Snyder	Des Moines
Stenographer	Mildred Lidell	Des Moines
Messenger	A. J. Newquist	Des Moines

DAIRY COMMISSIONERS

NAME	County from	Date of First	Which Chosen	Appointment	Years Served
Henry D. Sherman.....	Jones.....	May 1, 1886.....	1886—1890		
August C. Tupper.....	Mitchell.....	May 1, 1890.....	1890—1894		
William K. Boardman.....	Story.....	May 1, 1894.....	1894—1898		
Levi S. Gates.....	Delaware.....	May 1, 1898.....	1898—1898		
Byron P. Norton.....	Howard.....	Nov. 8, 1898.....	1898—1902		
Herbert R. Wright.....	Polk.....	May 1, 1902.....	1902—1906		

DAIRY AND FOOD COMMISSIONERS

Herbert R. Wright.....	Polk.....	July 1, 1906.....	1906—1910
William B. Barney.....	Franklin.....	May 1, 1910.....	1910—1922
Russell G. Clark.....	Hamilton.....	May 1, 1922.....	1922—1923

CHIEF DAIRY AND FOOD DIVISION

Russell G. Clark.....	Hamilton.....	July 1, 1923.....	1923—
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Note: Name of Office changed by Act of Thirty-first General Assembly to Dairy and Food Commission. On July 1, 1923, the Office of Dairy and Food Commission was made a division in the newly created Department of Agriculture.

LAWS ENFORCED BY THE DEPARTMENT

Dairy Law	Turpentine Law
Pure Food Law	Weights and Measures Law
Agricultural Seed Law	Sanitary Law
Concentrated Feeding Stuffs Law	Cold Storage Law
Stock Tonic Law	Commercial Fertilizer Law
Paint and Linseed Oil Law	Mattress and Comfort Law
Insecticide and Fungicide Law	Egg Law
Restaurant Law	Hotel and Rooming House Law
Oil Inspection Law	Iowa Trade Mark Law
Container Law	Rendering Plant Law
Pasteurization Law	Poultry Law

REPORT OF THE DAIRY AND FOOD DIVISION

FOREWORD

The sharp decline in the price of dairy products during the last two months of 1929 and the even further decline during 1930, coupled with a similar reduction in both poultry and eggs, has found the farmer who specializes in those products, as he approaches the new year, in a somewhat dazed and apprehensive feeling of what will happen next.

With the New York butter market about in line with prices in important foreign markets; with a falling market instead of a rising one, and with our storage holding above normal, the dairy industry has a right to feel it, too, has become a part of our agricultural problem.

Therefore, in chronicling the events of the last year that bear directly and indirectly on this branch of the department of agriculture, some of the optimism of former reports will be missing.

As to the work of the department itself, and the results therefrom, we can express satisfaction. There has been no let-up in the work required or the demands of the public, and we feel a substantial gain has been made in solving some of the knotty problems that trade conditions were bound to create.

DAIRYING

A normal year, whether you are considering production, markets, prices, or the weather, is a year that conforms to some general established laws or influences, thus enabling one, by studying past records, to estimate future events. But 1930 has seen fit to depart from the regular order and given us a year long to be remembered, not only for its utter disregard for the signs of the zodiac, but for reversing the order of seasonable prices for our dairy products. That "all signs fail in dry weather" was fully demonstrated last year.

From the first day of January until the thirty-first of December it has been one thing after another to test the patience, courage and endurance of the man who milked the cow; with under consumption, over production, lack of moisture, and falling markets in season and out, there was hardly a time during the whole year when you could say the break was in the dairyman's favor.

Nevertheless, our Iowa farmers, without faltering, have kept steadily at it until the year's production of creamery butter was only a few thousand pounds more than 1929. The big shrinkage was in the returns to the producer. With an average drop of a trifle over ten cents per pound, it was a cut of 24 per cent in their cream checks or a decrease in agriculture's buying power of over twenty million dollars.

At the beginning of 1930 our butter markets were handicapped by the excessive cold storage holdings of 81,935,000 pounds, 38,152,000 pounds in excess of the year before, and 33,355,000 in excess of the five-year average. This alone could account for the gradual decline in price during January and February. March checked a further drop by staging a slight comeback, even putting the price up a cent. April, not only maintained the advance but it went up another cent, supported by such factors as less production and increased consumption.

This advance could not be sustained by optimism alone and May saw a sharp drop of three cents with June taking off two cents more.

In the meantime the excessive surplus of January had been reduced to 17,000,000 pounds, 10,000,000 pounds more than the normal carry-over for what we consider the end of the storage year.

The dry weather began to have its influence on both production and the markets. June saw considerable butter go into storage and July saw a three cent advance in 92 score butter.

From July 1 to November, there was the usual seasonable rise in prices. Each month saw an increase in our storage butter. At no time though did this equal the corresponding months of the year before. In August, there was actually less butter in storage than the same month a year ago, for there had been an out-of-storage movement during the entire month. This continued until November, when increased production and an under consumption slowed up the use of storage goods. November and October, like their counterparts of the year before, turned turtle and prices continued to recede until the year closed with her lowest price for 92 score butter.

A good dairy herd cannot be built up in a day, and when once acquired, cannot be neglected, regardless of the price of butter. In fact, often times low prices increase production, for that is the only way the farmer's daily budget can be maintained. We do not, therefore, look for any immediate change in production. A

continuance of low prices will no doubt discourage some who will turn to other forms of farming.

The dairy cow and the hen are in greater or less degree a part of the daily routine on the average farm and we predict will continue so, and Iowa's flow of milk, like Tennyson's "Brook," will go on for awhile, if not forever.

A business depression is a new experience only to those who have come on to the scene in recent years. The writer, coming to Iowa as a boy in 1872, has seen the dairy farmer weather the financial storms of "73" and "93," the depression of 1907 and the deflation of 1922. It is, therefore, hard for us to believe that present conditions reflect the future of the industry.

Dairying is too important a factor in our agricultural set-up on the one hand, and its product too valuable an item in the diet of our people on the other, to be maintained for any length of time at a loss. The necessity of the situation, no doubt, will settle it sooner or later. The important question is—can anything be done to make it sooner or must we wait until we are "starved to it", as the saying goes.

What we said last year on this same subject will bear repeating here. "A little less cost in production, a little less cost in distribution, and a little better understanding by the public of the food value of butter, will help."

The statistician tells us that we consume per capita on the average between 17 and 18 pounds of butter annually in this country. But that does not give the situation just as it is, for the people that eat butter consume almost twice the estimated average. There must be, therefore, a considerable number of our people whose diet does not include butter. We fully believe 12 per cent of our population have been using oleomargarine, 68 per cent using butter. This would leave 20 per cent who use neither, or 32 per cent of non-butter users.

If we could have converted one-third of the people who used oleomargarine to the use of butter, the yearly consumption of butter would have been increased 80,000,000 pounds, an amount equal to the storage holdings January 1, 1930. One-fifth of those who use neither butter nor oleomargarine could have brought about a similar result by eating the yearly average of 17 pounds of butter. The farmers themselves who have been using oleomargarine could easily have kept our storage holdings as much below

the five-year average by eating butter instead of the imitation product, as they have been above.

Two years ago we divided the state into three sections. The first section included the northeast 25 counties and is that part of Iowa often spoken of as our dairy section. The second section was made up of the northwest 24 counties. Although this is known as our cash grain and hog territory, its dairy production is not far behind the northeast section as the following tables indicate. The third section consists of the south 50 counties which depends more on its pasturage for its feed than the other two sections. Of the three sections its position is third in the production of creamery butter.

The figures in the following tables are interesting from a comparative standpoint:

1928

	Butter	
Northeast 25 counties, 238 creameries.....	71,802,909 lbs.	
Northwest 24 counties, 99 creameries.....	61,997,766 lbs.	
South 50 counties, 127 creameries.....	70,758,618 lbs.	

	204,559,293 lbs.		
	Average Price	High Creamery	Low Creamery
Notheast 25 counties, 238 creameries.....	51.36c	53.37c	48.32c
Northwest 24 counties, 99 creameries.....	48.98c	53.68c	46.67c
South 50 counties, 127 creameries.....	42.68c	51.32c	43.75c

1929

	Butter	
Northeast 25 counties, 234 creameries.....	77,656,281 lbs.	
Northwest 24 counties, 101 creameries.....	66,146,620 lbs.	
South 50 counties, 130 creameries.....	70,758,617 lbs.	

	214,561,518 lbs.		
	Average Price	High Creamery	Low Creamery
Northeast 25 counties, 234 creameries.....	48.57c	51.26c	42.88c
Northeast 24 counties, 101 creameries.....	46.23c	50.34c	43.00c
South 50 counties, 130 creameries.....	43.63c	47.00c	36.90c

1930

	Butter	
Northeast 25 counties, 233 creameries.....	80,427,580 lbs.	
Northwest 24 counties, 100 creameries.....	65,188,328 lbs.	
South 50 counties, 133 creameries.....	70,702,632 lbs.	

	216,318,540 lbs.		
	Average Price	High Creamery	Low Creamery
Northeast 25 counties, 233 creameries.....	38.81c	42.96c	34.10c
Northwest 24 counties, 100 creameries.....	36.63c	43.30c	33.50c
South 50 counties, 133 creameries.....	35.25c	41.46c	29.70c

Iowa increased its total creamery butter production over 1929 by one and three-quarter million pounds, or 1,757,022 pounds to be exact. The northeast 25 counties increased their production two and three-quarter million pounds or 2,771,299 pounds. The

northwest 24 counties fell short of the year before almost a million pounds or 958,292 pounds. The southern 50 counties about held their own, coming within 55,985 pounds of their production in 1929.

It is easier to account for the reduction in the northwest and southern sections than the increase in the northeast 25 counties. Favorable weather and crop conditions no doubt were a big factor. On the other hand, the northeast section depending as it does so much more than the other two on its cream check; increasing its production was about its only way to overcome in part their loss of 9¼ cents per pound on their total output, or a trifle over seven and one-half million dollars. They retrieved a million and one-quarter of this by their increased production.

Up to two years ago Clayton was our leading county in butter production from their own cows, then Sioux county stepped in and carried off that honor by making some 500,000 more pounds than any other county. This put Clayton in second place, with Fayette continuing in third place. The same relative position continued in 1929 and 1930.

Sioux County	6,651,262 lbs.	36.32c	Average Price Paid for Fat
Clayton County	5,869,381 lbs.	39.09c	Average Price Paid for Fat
Fayette County	5,251,852 lbs.	40.00c	Average Price Paid for Fat

Bremer county, which has been an outstanding county for high butterfat prices, has to forego that honor for 1930, as we have six counties that report a higher average price for the year by a fraction of a cent. Black Hawk county takes first honors with an average yearly price of 40 43/100 cents for fat.

There are sixteen counties which had an average of 39 cents or better for fat. This would indicate good creamery management in those counties when selling on a market that did not average for the year over 36½ cents for 92 score butter.

With all that is being written or said about a quality product, higher producing cows and the proper rationing for economy production, the lack of knowledge of how to make butter is not Iowa's problem at this time. The need of the hour is a market commensurate with the cost of producing good butter.

TOTAL VALUE DAIRY PRODUCTS—1930

Creamery Butter	216,318,540 lbs.	\$ 72,707,332.23
Ice Cream	8,000,000 gals.	7,200,000.00
Sweet Cream (40%)	3,000,000 lbs.	1,332,000.00
Market Milk	800,000,000 lbs.	16,000,000.00
Cheese	1,373,892 lbs.	252,190.46
Cottage Cheese	2,000,000 lbs.	200,000.00
Farm Dairy Butter	24,000,000 lbs.	7,500,000.00

Skim Milk and Buttermilk.....	5,791,000,000 lbs.	11,582,000.00
Condensed Milk	12,789,630 lbs	758,961.00
Calves	1,070,000	3,210,000.00
Fertilizer	13,000,000 tons	11,700,000.00

\$132,442,483.67

TOTAL MILK PRODUCED BY IOWA COWS

Milk used in Creamery Butter.....	5,410,000,000 lbs.
Milk used in Ice Cream.....	157,000,000 lbs.
Milk used in Sweet Cream.....	36,320,000 lbs.
Milk used in Market Milk.....	800,000,000 lbs.
Milk used in Cheese.....	12,300,000 lbs.
Milk used in Farm Butter.....	600,000,000 lbs.
Milk used in Condensed Milk.....	28,000,000 lbs.
	6,143,620,000 lbs.

When we divide the seven billion pounds of milk produced in 1930, by the number of cows Iowa is credited with, as giving milk, it does not do justice to the cows that are kept for dairy purposes. Iowa has good cows and some high producing cows, although she milks quite a number of heifers and dual purpose cows that lessen the total average of all her cows.

We reproduce here what the Iowa cow testing association says in its annual report for the year ending September, 1930:

"At the present time (September, 1930) there are 2,496 of Iowa's leading dairymen members of 103 associations. In the 94 associations that completed a year's testing (and for which complete reports were received) during the year September 1, 1929, to September 1, 1930, 2,431 herds with 44,326 cows were on test. The average production of the cattle in these herds was 7,309 pounds milk and 289 pounds fat. This is 258 pounds milk and 10 pounds fat more than was produced by the average cow testing association cow a year ago and approximately 2,800 pounds milk and 114 pounds fat more than the average dairy cow in Iowa. Although, the production per cow was higher the income over feed cost was not as high as last year because of the very marked decline in butterfat prices that started last November. The production represents the highest mark ever reached by the average cow in Iowa cow testing associations. There was very little difference in the cost of feed of the cow producing 289 pounds fat this year and last, it being \$69 on the average this year and \$70 last year."

We think we are well within the facts when we repeat what we said in 1929, that three-quarters of a million of Iowa's cows are producing well over 180 pounds of fat per year.

CREAMERY BUTTER SOLD IN IOWA 1920-1930

1920	18,719,251 lbs.
1921	22,627,283 lbs.
1922	25,714,769 lbs.
1923	25,480,078 lbs.
1924	27,213,957 lbs.
1925	28,518,348 lbs.
1926	26,524,267 lbs.
1927	30,598,009 lbs.
1928	35,312,562 lbs.
1929	38,863,393 lbs.
1930	39,266,611 lbs.

Of the above butter sold in Iowa 9,354,145 pounds were sold to the patrons of the creameries and 29,912,466 pounds went to the retail trade of our towns and cities.

In getting at the per capita consumption of butter in the state, we have taken 80 per cent of the farm butter and added it to the creamery butter consumed. This gives a total of 58½ million pounds as Iowa's yearly consumption of butter or a per capita consumption of 23½ pounds.

BUTTER PRODUCTION IN THE UNITED STATES

	Farm Butter	Creamery Butter
1899	1,071,626,000 lbs.	420,127,000 lbs.
1909	994,761,000 lbs.	627,146,000 lbs.
1919	707,666,000 lbs.	873,907,000 lbs.
1923	610,000,000 lbs.	1,254,118,000 lbs.
1924	600,000,000 lbs.	1,356,080,000 lbs.
1925	590,000,000 lbs.	1,360,000,000 lbs.
1926	580,000,000 lbs.	1,457,360,000 lbs.
1927	600,000,000 lbs.	1,496,495,000 lbs.
1928	590,000,000 lbs.	1,479,198,500 lbs.
1929	580,000,000 lbs.	1,529,434,418 lbs.
1930	570,628,000 lbs.	1,537,764,700 lbs.

BUTTER PRODUCTION IN IOWA

	Farm Butter	Creamery Butter
1899	80,000,000 lbs.	87,972,470 lbs.
1924	25,000,000 lbs.	140,497,549 lbs.
1925	26,000,000 lbs.	165,835,374 lbs.
1926	25,000,000 lbs.	172,257,863 lbs.
1927	24,000,000 lbs.	192,442,103 lbs.
1928	23,500,000 lbs.	196,065,448 lbs.
1929	23,000,000 lbs.	214,561,518 lbs.
1930	24,000,000 lbs.	216,318,540 lbs.



One of the Year's New Creameries, Ottawa Co-op. Creamery Co., Ottumwa, Iowa

THE IOWA CREAMERY

When John Stewart built his little whole milk creamery at Spring Branch, Delaware county, 59 years ago, he built much better than he knew, little realizing even up to the time of his death, to what extent the idea of transferring the work of butter-making from the farm to a central plant, would be developed. Some day, and it should not be put off too long, our state should do something to commemorate this historical event. The women folks on our farms should see that this is done, for no one has profited more than they by the change.

The creamery, be it co-operative, individually owned, or centralizer, is an institution whose success or failure has to be reckoned with in estimating business conditions here in Iowa. Manufacturing butter on a falling market is not a lucrative business, and that is what our creameries were up against practically every day during 1930. There were 216,318,540 pounds of butter made, an increase of 1,757,022 pounds over 1929. Its value, though, was \$22,081,814.00 less than the year before, a shrinkage of 9 1/3 cents per pound.

Despite the effect that a 20 per cent drop in price is bound to have on the trade, the manufacturing end of the industry, like the farmers, is going ahead with an abiding faith in further development. Prosperity may not be just around the corner but it is in the list of coming events somewhere along the line, and those who continue in the business will be the first to profit by its reappearance.

Of the creameries that discontinued operation during the year, four were cooperative, ten were individually owned, and four centralizers, eighteen in all. Of the new organizations that have been put in operation, ten are cooperative, eight individually owned, and two are centralizers, a total of twenty. This maintains our former number of 465, and two additional.

In spite of the advantages that go with mass production, mass operation and carload shipping, it has been left for the small plant, be it cooperative or individual, to demonstrate that a quality product can be made only from good material. When that material is milk or cream, the closer you get to its source, the better you are prepared to make high scoring butter. We all know where the butter is made that wins the banner.

Last year we mentioned what some of our larger plants were doing in using the truck as a replacement of the cream station and

railway transportation. This plan seems to be on the increase, and in many instances the claim is made that the increase in quality takes care of the extra expense. We can readily see that a truck on a paved road is going to bring the outlying patrons of our larger plants closer to the creamery in point of time, than heretofore.

There continues to be two of our counties that do not have a creamery within their borders, Fremont and Ringgold. This does not mean those counties do no dairying, as the United States census credits them all with having dairy cows and we find them with their quota of cream stations.

The following table gives the number of pounds of milk and cream purchased by our creameries last year, as well as the number of pounds of butter made and its disposition, and the number of patrons and the number of cows that supplied the milk and cream for our creameries:

Milk received	168,334,658 lbs.
Cream received	591,359,364 lbs.
Pounds butter made	216,318,540 lbs.
Pounds sold to patrons	9,354,145 lbs.
Pounds sold in Iowa	29,912,466 lbs.
Pounds sold outside state	176,521,522 lbs.
Pounds butterfat sold in cream	2,316,838 lbs.
Total number of patrons	195,946
Total number of cows	1,227,975

As shown by the foregoing table, a trifle over 4 per cent of our butter goes to patrons of our creameries, and a trifle less than 14 per cent goes to the trade here in Iowa, while 82 per cent goes out of the state. The following table gives us an estimate of Iowa's shipments to her four principal markets, in pounds:

New York	93,300,000 lbs. Butter
Chicago	33,530,000 lbs. Butter
Philadelphia	4,320,000 lbs. Butter
Boston	1,307,000 lbs. Butter
All other markets	44,065,000 lbs. Butter
	<hr/>
	176,522,000 lbs. Butter

GROWTH OF CREAMERY INDUSTRY IN IOWA

Year	No. of Creameries	No. of Skim Stations	Central Churning Plants	No. Pounds Creamery Butter	Average New York Price Extras	No. Cheese Factories	No. of Condensories
1890	582			71,255,798		92	
1891	705			68,699,716		111	
1892	775			60,112,931		113	
1893	790			54,572,992	.20	110	
1894	806	10		54,500,417	.22	64	
1895	774	32		66,497,108	.22	81	
1896	741	69		80,032,916	.219	73	
1897	795	96		88,900,000	.188	76	
1898	811	143		87,704,214	.197	67	
1899	779	188		87,972,470	.303	69	
1900	797	167		84,965,062	.227	73	
1901	759	161		82,706,944	.215	72	
1902	732	168		77,885,696	.242	52	
1903	532	169		64,565,970	.242	45	
1904	539	196		70,000,000	.214	37	
1905	573	82	20	82,707,588	.248	29	
1906	548	48	20	91,292,354	.237	27	
1907	510	84	75	91,164,363	.282	13	
1908	514	36	82	101,552,063	.265	9	
1909	524	19	99	101,907,316	.288	9	
1910	485	9	86	93,911,000	.305	5	
1911	468	1	33	96,695,584	.361	9	
1912	594		36	91,738,373	.312	6	
1913	578		36	96,955,182	.324	11	
1914	590		45	92,865,921	.30	12	
1915	497		42	89,834,005	.302	11	
1916	443		41	97,628,788	.325	13	3
1917	451		43	94,269,685	42.7	24	3
1918	402		44	83,348,309	51.9	19	3
1919	398		42	90,915,968	60.3	20	2
1920	399		41	89,179,612	61.5	17	2
1921	414		40	98,740,419	43.4	10	2
1922	422		50	124,168,089	40.7	5	2
1923	435		50	132,878,333	46.8	5	2
1924	445		55	140,497,549	42.5	5	2
1925	448	No. of	55	165,834,574	45.2	9	2
1926	455	Cream	57	172,257,863	44.4	9	2
1927	463	Stations	58	192,442,103	47.2	10	3
1928	464	2,370	60	196,068,448	47.37	9	3
1929	465	2,234	61	214,561,518	45.03	10	3
1930	467	2,230	60	216,318,540	36.49	13	3

BUTTER PRODUCTION FOR 1923

No. Creameries	Butter Made	Average Price Paid Patron
227 Co-operative Creameries	50,772,138 lbs.	45.3 cents
158 Individual Creameries	23,394,560 lbs.	40.2 cents
50 Centralizer Creameries	58,711,655 lbs.	39.27 cents

435 132,878,353 lbs.

BUTTER PRODUCTION FOR 1924

No. Creameries	Butter Made	Average Price Paid Patron
260 Co-operative Creameries	64,372,217 lbs.	45.5 cents
130 Individual Creameries	15,758,774 lbs.	43.8 cents
55 Centralizer Creameries	60,373,682 lbs.	42.6 cents

445 140,504,673 lbs.

BUTTER PRODUCTION FOR 1925

No. Creameries	Butter Made	Average Price Paid Patron
262 Co-operative Creameries	74,152,506 lbs.	43.5 cents
131 Individual Creameries	19,202,435 lbs.	40.2 cents
55 Centralizer Creameries	72,480,663 lbs.	40.9 cents

448 165,835,574 lbs.

BUTTER PRODUCTION FOR 1926

No. Creameries	Butter Made	Average Price Paid Patron
274 Co-operative Creameries	73,712,010 lbs.	47. cents
124 Individual Creameries	18,172,453 lbs.	43. cents
57 Centralizer Creameries	80,373,400 lbs.	42. cents

455 172,257,863 lbs.

BUTTER PRODUCTION FOR 1927

No. Creameries	Butter Made	Average Price Paid Patron
264 Co-operative Creameries	81,269,654 lbs.	50. cents
141 Individual Creameries	22,176,364 lbs.	46. cents
58 Centralizer Creameries	88,996,085 lbs.	44.5 cents

463 192,442,103 lbs.

BUTTER PRODUCTION FOR 1928

No. Creameries	Butter Made	Average Price Paid Patron
270 Co-operative Creameries	83,974,642 lbs.	51.20 cents
134 Individual Creameries	23,825,233 lbs.	48.20 cents
60 Centralizers	88,268,573 lbs.	46.6 cents

464 196,068,448 lbs.

BUTTER PRODUCTION FOR 1929

No. Creameries	Butter Made	Average Price Paid Patron
272 Co-operative Creameries	96,753,154 lbs.	47.87 cents
132 Individual Creameries	26,972,610 lbs.	45.98 cents
61 Centralizers	90,835,754 lbs.	45.00 cents

465 214,561,518 lbs.

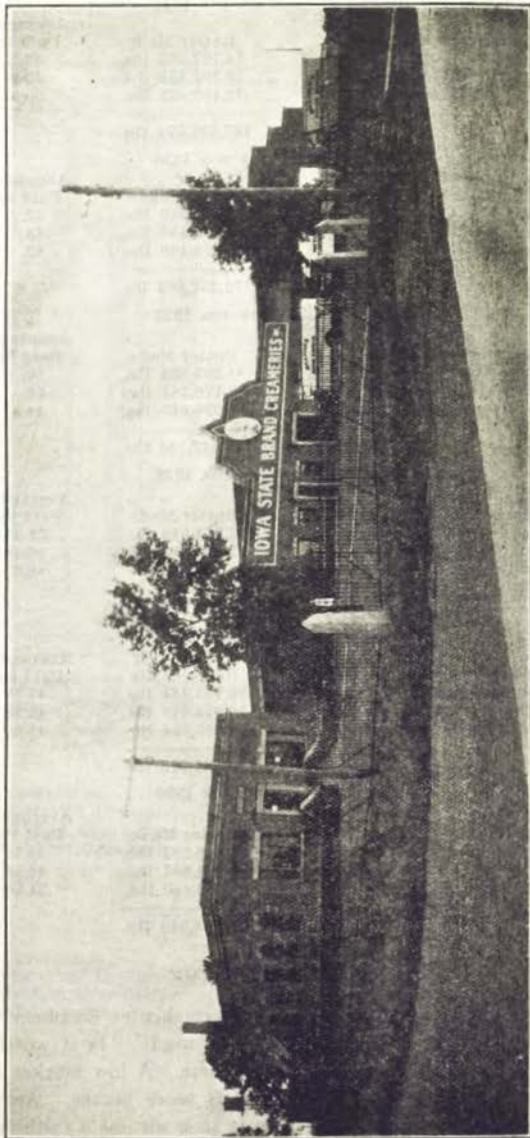
BUTTER PRODUCTION FOR 1930

No. Creameries	Butter Made	Average Price Paid Patron
282 Co-operative Creameries	104,540,293 lbs.	38.70 cents
125 Individual Creameries	29,064,807 lbs.	36.53 cents
60 Centralizers	82,713,440 lbs.	34.50 cents

467 216,318,540 lbs.

IOWA TRADE MARK

If there ever was a time when a buttermaker or creamery manager might feel like saying, "what's the use?" "Is it worth the extra effort?" the year 1930 was that time. A low market tends to lessen the spread between 90 and 93 score butter. At times the difference has been so little that it took all one's faith in the



The New Home of the Iowa State Brand Creameries, Inc., Mason City, Iowa

idea that it pays to make a quality product, to keep from following "the line of the least resistance" and slipping back into the old order.

Of the twenty-eight state brand creameries listed last year, three concluded to try it awhile without the privilege of the trade mark and were therefore dropped. To offset this, two new names were added to the list, the Des Moines Cooperative Dairy Marketing Association, and the Farmers Creamery at Graettinger. This leaves a bona fide list of twenty-seven with two or three creameries preparing to qualify in the near future. These creameries made 11,045,103 pounds butter beside selling 121,475 pounds butterfat in the form of sweet cream.

The average price paid the farmer was 39.91 cents per pound for butterfat. High creamery was 42.7 cents per pound.

Quality means work, and too often it means work with little recompense, except the hope of a future reward. Making State Brand Butter means more than a 93 score, 75 per cent of the time. The Iowa Trade Mark not only signifies high quality butter, but it carries with it the guarantee that the butter bearing that stamp was made from selected material, and that from the time it entered the creamery until it reached the consumer, it was handled in a clean and sanitary manner. More and more the well informed and discriminating consumer wants to know who and what is behind the label on the package.

The high quality food product of the present day must have a background or reputation that justifies the advertisement it carries, and this is not acquired by printers' ink alone. Much of our butter, eggs, or poultry, that goes into storage, goes there as much on the reputation of the manufacturer, or packer, as on the grade of the article itself.

There are three important factors in successful dairying. The production of the raw material, its manufacture into butter, and its sale. It was with the idea of uniting these three factors under a central control that the State Brand Creameries joined themselves into a selling organization. In spite of the difficulties that attend a venture of this kind, the move has been a successful one, as their annual reports show. Much credit is due all those who have had a part in putting this organization on its feet. It is a fair illustration of what a little faith, courage and a united effort can do. The accompanying cut of its new home gives one some

idea of the progress it has made in the four and one-half years of its existence.

The following is a list of the creameries now operating under State Brand regulation:

Creamery	Buttermaker	President
1. Strawberry Point Coop. Cry., Straw- berry Point	Otto F. Wegers	J. P. Dinsmore
2. Farmers Creamery Co., Manly	Ed. Andreasen	G. H. Benjergedes
4. Algona Coop. Creamery Co., Algona	M. P. Christiansen	A. J. Keer
7. Farmers Coop. Creamery Ass'n, Hull	B. Scholten	Jacob Moss
8. Center Valley Creamery, Sumner	R. J. Allenstein	F. M. Messerer
9. Lake Mills Creamery, Lake Mills	Carl Howland	O. T. Groe
12. Tripoli Creamery Co., Tripoli	W. M. Kruger	B. B. Bennett
13. Farmers Coop. Cry., Ass'n, Tenold	Paul Manor (North- wood)	O. K. Storre (Kensett)
14. Denver Creamery Co., Denver	W. J. Spurbeck	W. J. Moehling
18. Farmers Coop. Creamery, Oelwein	F. H. Harms	A. W. Stewart
39. Harlan Mutual Coop. Cry., Maynard	G. C. Mittelstadt	C. H. Paul
21. Lost Island Creamery, Graettinger	Selmer Nelson	J. A. Joyce (Emmetsburg)
22. Plymouth Coop. Creamery, Plymouth	M. Mikkalson	G. O. Heinselman
23. Farmers Butter & Cheese Ass'n, North- wood	H. C. Stendel	J. A. Tenold
24. Farmers Creamery Co., Grafton	R. Jorgensen	L. F. Fluhrer (Plymouth)
25. Fenton Coop. Creamery, Fenton	Fred Kucker	E. A. Huskamp
26. Randall Mutual Creamery, Randall	J. W. Rizer	Ben Turner
27. Whittemore Farmers Cry., Whittemore	O. J. Kloock	J. W. Fandel
28. Alpha Farmers Creamery, Alpha	P. J. Lusson	W. J. Niewacher
29. Volga Farmers Creamery, Volga City	F. P. Gernand	L. J. Tenney
30. Ringsted Coop. Creamery, Ringsted	J. C. Jensen	G. V. Giffin
31. Niles Creamery, Colwell	Frank Brunner	H. K. Jensen
33. Exira Creamery, Exira	John Schroeder	H. T. Meyer
34. German Creamery Co., Westgate	Julius Brunner	J. H. Mason, Mgr.
35. New Haven Creamery, New Haven	John Schroeder	1935 Des Moines St.
36. Des Moines Coop. Dairy Marketing Ass'n	Julius Brunner	John Graettinger
37. Farmers Creamery, Graettinger	Palmer Freetem	

Eighteen of these creameries are located in what we term the northeast 25 counties of the state, as follows: Fayette, 6; Worth, 4; Bremer, 2; Clayton, 2; Cerro Gordo, 1; Floyd, 1; Mitchell, 1; Winnebago 1. The 24 northwest counties are credited with seven, Kossuth, 3; Palo Alto, 2; Emmet, 1; Sioux, 1. The remaining two are located in Audubon and Polk counties in what we call the south 50 counties.

BANNER, BANNER, WHO'S GOT THE BANNER?

From 1921 up until two years ago, our prize buttermakers were traveling in championship class, winning the banner six times during the eight years. Naturally, we were getting to feel that when it came to making prize butter our boys were "the only pebbles on the beach." Our cockiness must have annoyed our Minnesota friends, for what they did to us in 1929 made our buttermakers realize that "there are others" who make high scoring



butter. It was not a clean sweep from the banner down, for they let first place in the Fresh Butter Contest come to Iowa, as well as a few minor prizes.

This year it was not quite so bad. We lost the banner by seven hundredths (.07) of one point and missed all the prizes in the Fresh Butter scoring. We made a comeback in the November cold storage scoring by taking all the prizes. The three Iowa men who did this were E. J. Primus, Aurora, with a score of 95; B. Scholten, Hull, with 94.75; and O. F. Spies, Ruthven, 94.50.

State prize winner in the Fresh Butter Contest for Iowa, was W. F. Wargowsky, Boyden, 94.75. State prize winner in the Cold Storage Contest was E. J. Primus, Aurora, 95. The supreme individual honor for the highest average score for both cold storage and fresh butter came to Iowa. W. F. Wargowsky of Boyden, did that much for his home state with a score of 94.58.

With 812 entries from fourteen states, it was one of the largest scoring contests ever held. The judges were O. A. Storvick of Minnesota, H. C. Larson of Wisconsin, and Howard Reynolds of Iowa.

An Iowa team composed of C. R. Conway, Garner; John Sadler, Farley; and P. Y. Yonkers, Hospers, won the butter judging con-

test with a total of 61.25 points; Minnesota, second, 63.25; Wisconsin, third, 66.25, and Dakota, fourth, 92.50. As this was the third time Iowa had won in this judging contest, the trophy offered by the National Association became the permanent property of Iowa.

As Minnesota claims this as her seventeenth victory, she must have won thirteen up to and including 1920, for Iowa has carried off the honors six times to Minnesota's four, during the ten years since then. Total score to date:

Minnesota 17 Iowa 6
"Why bring that up."

At the National Dairy Exposition, Minnesota precluded her winnings at St. Paul by capturing a larger portion of the honors at St. Louis in October, taking five of the Gold Medal prizes out of six. The sixth went to Wisconsin.

Class 1. Sweet Cream Storage—State Awards	
E. J. Primus, Aurora, Silver Medal.....	93.50
C. J. Hauskins, Cedar Rapids, Bronze Medal.....	93.25
Class 2. Sour Cream Storage—State Awards	
B. Scholten, Hull, Silver Medal.....	94.25
Herman Jacobs, Boyden, Bronze Medal.....	94.00
Class 3. Sweet Cream Fresh Butter—State Awards	
F. H. Harms, Oelwein, Silver Medal.....	93.00
Paul Manor, Northwood, Bronze Medal.....	92.75
Class 4. Sour Cream Fresh Butter—State Awards	
B. Scholten, Hull, Silver Medal.....	94.25
Alfred L. Johnson, Center Junction, Bronze Medal.....	94.00
Special Award for Keeping Quality, Ripened Cream	
Third Prize, Bronze, Herman Jacobs, Boyden.....	94.83

CHEESE

Just why Iowa imports into the state 90 per cent of the cheese she consumes is hard to explain, unless it is a matter of dollars and cents. No state in the Union is better prepared to produce the raw material for cheesemaking than our own. The plant outlay is much less than that for buttermaking. Good cheesemakers can be had when the business justifies their employment. We know Iowa consumes cheese, perhaps ten to twelve million pounds during the year.

There are now 13 cheese factories operating in the state, an increase of two over the year before. They made during the year 1,373,892 pounds, at a cost of \$253,200.46. An average cost of 18.83 cents per pound or three-fourths of a cent under the average price of fancy Wisconsin Daisies on the New York market for 1930; not margin enough to encourage cheesemaking.

We realize that it was a discouraging year for the sale of all

milk products and perhaps our cheese industry suffered less than other lines. But it does seem as though Iowa should make her own cheese, and we continue to feel that a way may be found to market here at home at a more favorable price. Enough, in fact, to justify the turning of some of our surplus milk into that channel and thereby lessen the make of butter.

The following is a list of our 13 cheese factories, their make and its wholesale value:

	No. Pounds	Total Value
Anamosa Cheese Factory, Anamosa.....	78,210 lbs.	\$ 21,116.70
Armour & Co., Denison.....	88,434 lbs.	16,000.00
Central City Butter & Cheese Co., Central City.....	4,000 lbs.	600.00
Forest Mills Cheese Co., Postville.....	73,436 lbs.	11,587.96
Fort Dodge Creamery Co., Fort Dodge.....	226,838 lbs.	42,391.40
Frankville Farmers Cheese Co., Postville.....	343,955 lbs.	59,575.99
Freeport Cheese Factory, Decorah.....	157,648 lbs.	23,647.20
Hanover Cheese Company, Dorchester.....	120,000 lbs.	20,000.00
Iowa State College, Ames, Iowa.....	38,322 lbs.	6,155.90
Jamestown Cheese Factory, Riceville.....	96,328 lbs.	16,616.00
N. C. Nielsen Creamery, Marshalltown.....	11,683 lbs.	2,198.81
Pioneer Cheese Factory, Renwick.....	75,038 lbs.	22,511.40
Tom May Cheese Factory, Thorpe.....	60,000 lbs.	10,800.00
	<hr/>	<hr/>
	1,373,892 lbs.	\$253,200.46



One of the Year's New Creameries, Lamotte Creamery Co., Lamotte, Iowa

ICE CREAM

The ice cream industry has not only doubled and trebled in the last twenty years, but it has become about as scientifically and efficiently a manufactured food product as we have. Particular as they have to be in the quality of their raw material, they make every ounce of it count for its full value in the finished product.

Generally speaking, its greatest output is during the summer months, but its sale is as erratic as the weather, and the demand one week may be twice what it is the next. Being a decidedly perishable article, it has to be so manufactured that it can go from a minimum output one day to a maximum the next with as little hangover as possible.

Mechanical refrigeration carries its surplus from one day to another, and the homogenizer helps to regulate its supply of cream.

What would the trade have done during the prolonged hot spell of last summer if the industry had had to depend on sweet cream alone. The homogenizer does for the ice cream maker what the churn does for the buttermaker. One takes the butterfat out of the cream, the other puts it back at the will of the operator.

The ice cream business makes an outlet for about 157,000,000 pounds of our milk, in cream and butter in the state alone, and it is estimated twice that amount goes out of the state for the same purpose, in the form of cream and unsalted butter for storage.

It took 8,000,000 gallons of this frozen confection to satisfy the Iowa palate during 1930. The hot winds of July and August and the low price of butterfat were "ill winds that did the industry no harm."

A new frozen product made its appearance at the fairs and public celebrations during the year. It looked like ice cream, it tasted like ice cream, but it was not ice cream. Its commercial name is "Frozen Custard" and its butterfat content is not over 4 per cent. It has caused the ice cream people some concern, as many think they are eating ice cream. Like the sherbets and frozen ices, its per cent of milk fat would have to be increased several fold to be classed as ice cream.

We are in hopes the incoming legislature will revise our standards for these products. In the meantime, the department is requiring that all these frozen products other than ice cream be sold for just what they are.

OLEOMARGARINE

We have never given this subject a special article in these reports, although we have one of the most effective laws of any state, controlling its sale, and it has required its share of our time in keeping its sale within the limits of that law.

Although the manufacturers of this product try in every way imaginable to make it look like butter, appear as a substitute for

butter, as having much of the food value of butter and made from the same ingredients as butter is made of, we have not considered it a dairy product. The Iowa law permits its sale under certain conditions and when those conditions are met, its business is not interfered with by the department.

But when in its sale and advertising it uses dairy terms, illustrates its posters with highly colored pictures of dairymaids, herds of dairy cows, milk bottles and every other device to create the impression that it comes from the same source as butter, the department does interfere, as they are violating the Iowa law. So far our state has been kept fairly free from these infringements.

In 1925 a law was passed prohibiting its use in any state institution under the control of the Board of Control. Two years later another bill was introduced, asking for a tax of one-half cent per pound on all oleomargarine sold in the state. An unfavorable senate killed it. In 1929 the dairy interests presented another bill asking for a one cent tax. This bill received more consideration. It passed the house and was assured of votes enough in the senate, but became the victim of parliamentary manipulation and was put to sleep by an unfavorable sifting committee.

Undismayed by their former defeats another bill will be presented again in the 44th General Assembly with a fair chance of getting through. Our buttermakers and creamery patrons are preparing to present their case in a manner to get a "yes" or "no" from every member. The issue will be well understood this time and we predict the bill's passage.

A survey in ten counties, well distributed over the state, in 1929, indicated a yearly consumption of close to 17,000,000 pounds of this imitation product, one-third as much of our consumption of butter. In November of 1930 another survey was taken in the same counties and this indicated a reduced consumption, due largely to the general agitation that had been going on for some time against the use of this product.

The result of the second survey coupled with a federal report indicates a sale of over 12,000,000 pounds for the last year. Our farmers, landowners, and those interested in a prosperous Iowa, must wake up to their interests. Why should we let an outside product, 60 per cent of which is made from a foreign oil, come into Iowa, enjoying all the privileges of our state government, without contributing one cent to its support. A product that can be manufactured so cheap that it can vary its price from ten cents

per pound to twenty cents as the price of butter goes up or down, is not a substitute for butter and should not be allowed to jeopardize our second largest manufacturing industry in the state. Leave out the question of its food value, leave out the question of loyalty to the dairy cow; it is not good business to substitute cocoanut oil for milk fat.

POULTRY AND EGGS

Since 1925 the figures given in this report on our egg and poultry production have been largely an estimate, based on the state census for 1925 and such other data as were obtainable from the railroads and the larger poultry and egg buyers, for it is through those channels that probably 90 per cent of our poultry products go, which are sold out of Iowa.

The figures that we are giving this year, based on the United States census for 1930, show quite an increase over former years. It is generally accepted by those in a position to know, that the production of poultry and eggs for 1930 was fully 5 per cent less than 1929.

This apparent increase of 1930 over 1929 is really the gradual increase that has taken place during the last five or six years and made manifest by the more efficient methods adopted by the state and federal departments in securing these data.

Heretofore, we have referred with considerable pride to the Iowa hen and her contribution to the state's agricultural income. This year our pride will have to confine itself to the quantity of eggs and the number of chickens, for their value is not much to brag about, compared with previous years.

The egg market in the main was satisfactory to both the producer and operator during 1929. Consumption kept pace with the supply, storage holdings were normal, and with few exceptions, it was a bullish market until the end of the year. The season opened with an average price of 27 cents for January, and closed with 46 cents in December. The season of 1930 opened with a January price of 31 cents, and closed with a price of 21 cents in December. To those interested in the production and marketing of eggs these figures speak for themselves. With one exception it was a falling market from start to finish. The first of September saw an advance in price and there appeared a hope that from then on the trade might expect the usual advance during the closing months of the year. This rosy view was of short duration. Prices again started on the down grade and continued so until the end. We

found one packer who was apparently in good spirits over the situation, due, he explained, to selling early, thereby, saving a much greater loss.

The dressed poultry market which closed December, 1929, with a certain degree of firmness weakened during January and February with increased receipts and the knowledge that the storage holdings were in excess of 1929 and the five-year average for these months. March found fresh dressed poultry selling for 10 cents less than the year before, except fowls. This helped consumption and took some out of storage but left no profit for the holder.

The April market showed a little firmness and the withdrawal from storage was an increase over the same months the year before. The movements of both fresh dressed and storage poultry in May was quite encouraging, much greater than the year before, but at a lower price level.

The market developed a tone of weakness in June and trading was more conservative at lower prices.

It was a buyers' market all through the year. Statistically, the dressed poultry market was better than 1929 consumption. The movement out of storage was so much that by September the best lines had been disposed of and the amount on hand was less than the five-year average.

The most striking feature of the market for the remainder of the year was increased consumption, a conservative speculating interest and generally declining price. The year ended with the market generally cleaned up.

The hatchery business here in Iowa for 1930 compared favorably with 1929, so far as to the number and quality of the chicks. The financial returns for the same were considerably less. Prices were cut early in the season and the general business depression had its effect on the prices the farmers were willing to pay. Last year we figured the chickens hatched on the farms and in the hatcheries were about fifty-fifty and the outcome of the year's business will not change that ratio. We would not be surprised to see less commercial hatching in 1931 than in 1930. As was said about the manufacturing of butter—doing business on a falling market is discouraging.

Last year's check-up on the number of hatcheries in the state indicated 668 with an egg capacity of 20,417,100 eggs. We have been unable to find there has been any material change in these figures, which justifies an estimated hatching of 100,000,000 chicks

for the year, half in our commercial hatcheries and half on the farm.

The number of dozen of eggs put up by the 13 breaking plants operating in Iowa last year, was 9,895,925 dozen, making a frozen product of 11,462,442 pounds at an average cost of 19 $\frac{3}{4}$ cents per pound. This is quite a reduction from the 15,434,000 dozen of last season and its frozen product of 17,452,000 pounds.

Although the cost for 1930 was fully six cents per pound less than 1929, this lower cost did not prevent the breakers from taking their share of the loss that befell the entire poultry and egg trade during the year.

AVERAGE PRICE PAID FARMERS

During March, April, May, June.....	1925	25.00c
for remaining months.....	1925	35.50c
the entire year.....	1925	32.66c
During March, April, May, June.....	1926	23.50c
for remaining months.....	1926	31.00c
the entire year.....	1926	27.20c
During March, April, May, June.....	1927	18.00c
for remaining months.....	1927	29.25c
the entire year.....	1927	25.00c
During March, April, May, June.....	1928	23.00c
for remaining months.....	1928	27.00c
the entire year.....	1928	25.00c
During March, April, May, June.....	1929	24.25c
for remaining months.....	1929	33.00c
the entire year.....	1929	30.60c
During March, April, May, June.....	1930	17.75c
for remaining months.....	1930	21.00c
the entire year.....	1930	18.83c

YEARLY POULTRY PRODUCTION

Year	No. Head	Pounds	Value
1922	30,790,000		\$32,000,000.00
1923	30,645,000		35,000,000.00
1924	31,000,000		31,000,000.00
1925	30,000,000		30,000,000.00
1926	31,000,000		30,896,000.00
1927	33,000,000	155,000,000	27,500,000.00
1928	32,000,000	144,000,000	32,100,000.00
1929	35,200,000		38,720,000.00
1930	45,800,000	180,200,000	29,770,000.00

YEARLY EGG PRODUCTION

Year	No. Dozen	Value
1922	159,720,000	\$43,539,672.00
1923	175,000,000	40,360,000.00
1924	154,000,000	43,630,000.00
1925	150,000,000	49,000,000.00
1926	160,000,000	43,720,000.00
1927	170,000,000	35,630,000.00
1928	160,000,000	40,000,000.00
1929	165,000,000	45,550,000.00
1930	180,000,000	33,840,000.00

AVERAGE MONTHLY PRICE

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1917	35	36	33	25	30	31	27	28	32	34	35	39
1918	42	47	38	30	31	28	28	33	33	39	42	51
1919	56	45	30	34	37	38	33	37	38	47	52	59
1920	55	45	39	37	38	33	37	44	48	53	64	61
1921	49	32	21	18	16	20	22	26	27	37	46	44
1922	26	23	18	20	20	16	16	15	19	33	40	40
1923	35	25	20	22	21	18	16	21	36	28	45	34
1924	31	26	17	18	20	21	24	24	32	36	45	46
1925	43	30	25	25	25	25	26	28	30	35	50	50
1926	30	22	20	24	25	25	24	23	31	35	40	42
1927	30	25	18	19	18	16	19	21	28	34	39	38
1928	34	24	22	23	24	23	24	26	27	29	35	37
1929	27	30	25	22	26	24	24	28	32	35	41	46
1930	31	27	18	21	17	15	16	16	20	17	20	21



One of the Year's New Creameries, Vinton Creamery Company, Vinton, Iowa

FOOD AND SANITARY LAWS

Some one has said that anniversaries are sort of milestones scattered along our pathway as we journey through life, serving as gentle reminders of past events and the why and wherefore of their existence.

We are reminded of this by an item from Washington calling attention to the fact that June 30, 1931, will be the twenty-fifth anniversary of the day President Roosevelt signed the Food and Drug Act, known as the Pure Food Law.

As expressed by a prominent Washington official—it was the outcome of an awakened public consciousness of the evils and malpractices of the time. Lincoln Steffens had been exposing the misgovernment in large cities. Upton Sinclair had written "The

Jungle," attacking the iniquities of the meat packers, and Ida M. Tarbell had paid her respects to the operation of the Standard Oil. It was an age of exposure of unethical and demoralizing practices. We consider it one of the most important laws passed by Congress and put on the statute books of our state.

It was the next year that the 31st General Assembly created the office of Food Commissioner by making the State Dairy Commission the State Food and Dairy Commission and charging him with the enforcement of all the food and dairy laws.

It was just twenty years prior to the passage of the Federal Food and Drug Act that the 21st General Assembly (1886) created the office of State Dairy Commission, an office made necessary by the increased bootlegging of oleomargarine as butter, and until the passage of the Federal Adulterated Butter Act of 1902, the unfair way in which the sale of this product was carried on, was an increasing menace to the butter industry.

The putting of the margarine industry in 1902, under federal control, with its tax and license requirements and its rigid inspection, did way with much of the objectional features of that business, both as to the quality of the article and its manner of being sold.

House File 54 of the 35th General Assembly was an act providing sanitation for all food producing establishments, defining "food" and the manner and conditions under which it must be handled, requiring a sanitary license, and putting the inspection and supervision of the law under the Dairy and Food Commission.

On July 1, 1923, by an act of the 40th General Assembly, the Dairy and Food Commission became the Dairy and Food Division of the Iowa Department of Agriculture, with the added inspection work of the oil and hotel laws.

Thus it was that our food and sanitary laws were put into the code, and their supervision and enforcement became an important part of the Dairy and Food Division of the Agricultural Department.

There were over 18,000 inspections, not including hotels and restaurants, made during the year, of the establishments where food is handled in some form. As there are some 6,000 of these places, few, if any, escaped being looked after, and those, where needed, were visited several times.

There were 45 prosecutions made for the violation of our Food and Sanitary laws. This is not bad considering the number en-

gaged in this line of business and indicates a satisfactory condition on the whole.

The above prosecutions must not be taken as all that was found out of line. There were others, but of such a nature that they were remedied without going to court.

HOTELS AND RESTAURANTS

Hotels and restaurants as united under what we now term our Hotel and Restaurant laws, did not start out together so far as legal recognition was concerned. It was in 1911 that the legislature in House File 190 defined Hotels, Inns and Lodging Houses, and prescribed rules for their operation and maintenance, and placed its enforcement in the Health Department.

It was not until ten years later (1921), that the General Assembly passed an act defining a restaurant, and provided regulations, and licensing, and sanitary inspection of same. This law also was placed under the Board of Health, and from then on all restaurants, cafes, cafeterias, dining halls, lunch wagons, or places where food was served for pay, became subject to a \$3.00 license fee and the same supervision as our hotels.

The creation of a Department of Agriculture in 1923 brought about the present situation, with all the hotel and restaurant inspection being done in this Division of the Agriculture Department. The work is so similar to that of the food and sanitary inspection that they go hand in hand, and was practically taken care of without increasing the force in the Dairy and Food Division.

Perhaps none of the various businesses under the sanitary supervision of this department, need, or get, more attention from our inspectors than hotels and restaurants. To the credit of a large per cent of the people thus engaged, they realize the necessity of cleanliness in both work and equipment, for next to the quality of the food, the public demands sanitary handling of it.

Several years ago many of our smaller cities woke up to the fact that if you want the traveling public to tarry in your midst, you must serve them with the ordinary comforts of life. Thus it is, all over Iowa, you find in so many of our smaller cities and towns, hotels that would be a credit to a much larger place. Our hotels have become as much a concern of the public as the hotel proprietor himself. In many cases the business interests of the town build the hotel and lease it at a normal rent. The advent of the automobile and good roads has given the traveling salesman and

tourist more of an opportunity to select the place he eats and sleeps. Even the old-fashioned roadside inns are coming back in the form of the roadside eating places and tourist camps.

Our hotels are divided into five classes, according to the number of rooms. The following table shows the number of licenses issued during 1930:

Number Hotels	Number Rooms	License Fee	Amount
1,069	15 or less	\$ 4.00	\$4,276.00
252	over 15 to 30 inclusive	6.00	1,512.00
175	over 30 to 75 inclusive	8.00	1,300.00
47	over 75 to 149 inclusive	10.00	470.00
20	150 or over	15.00	300.00
1,563			\$7,858.00

This is an addition of 124 hotels over 1929. This increase came mainly in the smaller hotels, 51 in the \$4.00 class, 52 in the \$6.00 class, 15 in the \$8.00 class, and 6 in the \$10.00 class.

There are two classes of restaurants, the permanently located and the itinerant. Those classed as itinerant include the temporary lunch counters such as attend fairs and celebrations, lunch wagons, and the roadside lunches.

The restaurant requires more attention, because of the ever-changing proprietor of so many of them, and, on account of his lack of experience, lack of money and a general unfitness for the business, invariably means insanitary conditions.

The license, like the sanitary license, is \$3.00 for each location and is not transferable. Of the permanent kind, there were 4,820 licenses issued during the year, returning to the state \$14,460.00. Of the itinerant or fair restaurants there were 1,219 licenses issued, increasing the state's revenue by \$3,657.00.

The tourist camp and the roadside eating place are new phases of the lodging house and short order stand, and require quite a little looking after by our men. Each year more of our peoples' time is spent in the open during the summer months, which means more sleeping and more eating outside the home. All this adds to the responsibility of those in charge of our food supply and its distribution.

COMMERCIAL FEEDS AND SEEDS

Any one reading this report has no doubt noticed by this time that many of the articles start out with a more or less historical sketch, giving the date of the passage of the law pertaining to that special subject and how it eventually became a part of the work



One of the Year's New Creameries. Chariton Coop. Creamery Ass'n, Chariton, Iowa

and responsibility of the department of agriculture. This is done for the double purpose of showing how much of this class of legislation has been enacted in the last thirty years, and also as a matter of record in each particular case.

The wave of reform that stirred up our legislators back in 1907 to the passage of our Pure Food Law did not stop at human food. It was in that same legislature that Senate File 18 was passed, to counteract and prevent, as far as possible, the unfair practices that were prevailing in the manufacture and sale of commercial feeds and agricultural seeds. Its enforcement was placed in the Dairy and Food Commission, and therefore it is one of the laws that has been in this Division since the uniting of the Dairy and Food laws under one head.

On the first of July, the department published for free distribution, a special bulletin on Commercial Feeds. It is perhaps the most complete report on that subject ever put out by the Department, dealing as it does with the law itself, the different kinds of mixtures legally known as feeds; their inspection, manner of labeling, definitions, and standards of all unmixed feeds; a list of the analysis of the feeds collected by our inspectors, and the analysis claimed by the manufacturers. Also a list of the manufacturers who have registered one or more brands of feed up to July 1, 1930.

We recommend to those who may want any of that information, to write to the department for a copy of this report.

Whether you buy these prepared feeds or mix them yourself, it is essential that you know their food value. The results of our inspection indicate most commercial feeds are honestly labeled. It is a growing business as shown by the following two tables:

Year	Feeds Registered
1925	1,078
1926	1,208
1927	1,451
1928	1,754
1929	1,970
1930 (to July 1st)	2,052

The tonnage sold during recent years as indicated by the sale of inspection tags is as follows:

Year	Tons
1925	283,382
1926	317,069
1927	394,798
1928	375,842
1929	327,176

What we have said for the bulletin on Feeds we can say for Bulletin No. 37 on Agricultural Seeds, for it gives just such information as all buyers of seeds should have. Farmers in particular should write for this Bulletin (No. 27).

With the addition of another chemist to the force in our laboratory, there were tested during the year, 1,363 official samples collected by our inspectors, and 567 samples submitted by others, making a total of 1,930 samples. The sale was stopped on twenty-nine lots of seed, because in most cases of excessive noxious weeds. This is quite a little less than was stopped the year before and would indicate a tendency of our seed dealers toward better quality.

Too much cannot be said or done to emphasize quality in the seeds we sow.

Any person purchasing any agricultural seed in this state for his own use may submit fair samples of said seed to the department, accompanied by an analysis fee of fifty cents for each sample, and a proper analysis of the same shall be made and furnished.

WEIGHT AND MEASURE

There has been very little change in our weight and measure laws since this Division became a part of the Department of Agriculture. The many duties of our inspectors have become more or less of a routine nature, requiring the re-weighing of coal and like

commodities and a close supervision of all weighing and measuring devices.

The replacement of the 10,000 and 12,000 capacity wagon scales to the 20,000 and 50,000 capacity truck scales, caused the state to discontinue the use of the three Dodge coupes used for the testing of heavy scales, for three Reo, two and one-half ton trucks. It was found that the 3,400 pounds, the total weight of the Dodge coupe and its 500 pounds of test weights, was hardly sufficient to give a satisfactory test of some of our larger wagon scales. The total weight of a Reo truck, loaded with 2,500 pounds of test weights, gives us a testing capacity of 8,000 pounds, instead of the former 3,400 pounds.

We here give in the following table, the amount of work done in testing our measures and weighing devices during the year:

	Tested	Condemned	Per Cent
Wagon Scales	3,869	466	12.05
Counter Scales	28,963	203	.70
Platform Scales	12,109	75	.62
Cream Test Scales	8,213	37	.45
Penny-in-Slot Scales	988	29	2.94
Gas Pumps	15,234	981	6.43
Measures	1,374	31	2.25

Total Tests Made.....70,750 1,822

Of the 70,750 tests made, two and one-half per cent were found out of line, which is not bad when taken as a whole, but when taken separately, it does not speak so well for our wagon scales, gasoline pumps and measures. Twelve per cent of the wagon scales, or one in every eight being out of line, indicates that more attention must be paid to these heavy scales by both the owner and the inspector. The percentage of pumps and measures is considerably less, six per cent to be exact, yet there is room for improvement. Grouping together the counter, platform and cream test scales, the average percentage of inaccuracy is 63/100 per cent, or one in every 156, which speaks well for that class of weighing.

U. S. STANDARD CONTAINER ACT

By the Constitution of the United States, Article 1, Section 8, Clause 5, Congress has the power to fix the standards of weights and measures for all states. Therefore, when the Standard Container Act of 1928 was passed by Congress, it made inoperative all state laws fixing weights per bushel for fruits and vegetables when same is sold in U. S. Standard hampers, round stave baskets and splint baskets.

In order to prevent a conflict between our state law and this act

of Congress, House File No. 215 was passed by the last legislature, which amended Section 3236 of the Code by adding after the word "sold" in line four of said section the following words: "in a United States standard container." We here give the exact wording of Section 3236 as amended.

"3236. *Bushel measured by avoirdupois weight.* When any of the commodities enumerated in this section shall be sold by the bushel or fractional part thereof, *except when sold in a United States standard container* or as provided in the two following sections, the measure shall be determined by avoirdupois weight and shall be computed as follows:

Commodities	Pounds	Commodities	Pounds
Apples	48	Onions	52
Apples, dried	24	Onion top sets	28
Alfalfa seed	60	Onion bottom sets	32
Barley	48	Orchard grass seed	14
Beans, green, unshelled	56	Osage orange seed	32
Beans, dried	60	Parsnips	45
Beans, lima	56	Peaches	48
Beets	56	Peaches, dried	33
Blue grass seed	14	Peanuts	22
Bran	20	Pears	45
Bromus inermis	14	Peas, green, unshelled	50
Broom corn seed	50	Peas, dried	60
Buckwheat	48	Plums	48
Carrots	50	Popcorn, on the cob	70
Castor beans, shelled	50	Popcorn, shelled	56
Charcoal	20	Potatoes	60
Cherries	40	Quinces	48
Clover seed	60	Rape seed	50
Coal	80	Redtop seed	14
Coke	40	Rutabagas	60
Corn on the cob (field)	70	Rye	56
Corn in the ear unhusked	75	Salt	80
Corn, shelled (field)	56	Sand	130
Corn meal	48	Shorts	20
Cucumbers	48	Sorghum saccharatum seed	50
Emmer	40	Spelt	40
Flaxseed	56	Sweet corn	50
Grapes, with stem	40	Sweet potatoes	50
Hempseed	44	Timothy seed	45
Hickory nuts, hulled	50	Tomatoes	50
Hungarian grass seed	50	Turnips	55
Kaffir corn	56	Walnuts, hulled	50
Lime	80	Wheat	60
Millet seed	50	All root crops not specified	
Oats	32	above	50

That section as amended means that fruits and vegetables can be sold in Iowa by measure, when sold in a United States standard container.

According to Elton R. Marshall, solicitor for the United States Department of Agriculture, "sold in a United States Standard Container" means that the product must be in a United States

standard container properly packed at the time of sale; also the container does not have to go with the product. If in any other receptacle when sold, then it must be sold by weight.

Measuring fruits or vegetables in a United States standard container, be it a peck, half bushel or bushel, or in fact any division of the United States container, and then transferring the contents into paper sacks previous to sale in order to save time during the rush hour, does not constitute being sold in a United States container, as it is actually sold to the customer in a paper sack and therefore should be sold by weight. We quote further from Mr. Marshall: "Where the state requires sales by weight it is not believed that a merchant could sell in receptacles other than a United States standard container, produce, which he had measured by a United States standard container, since such a practice might open the door to fraud, which the state and federal laws were designed to prevent."

Fruits and vegetables slack-filled, or loosely filled, in a United States standard container is not complying with the United States Standard Container Act.

As has been continually repeated in these reports, food sold in package form must have its net contents plainly marked on the package or container. Paragraph 4, Section 3029 of the Code reads as follows:

"'Package' or 'container,' unless otherwise defined, shall include wrapper, box, carton, case, basket, hamper, can, bottle, jar, tube, cask, vessel, tub, firkin, keg, jug, barrel, tank, tank car, and other receptacles of a like nature; and wherever the expression 'offered or exposed for sale or sold in package or wrapped form' is used it shall mean the offering or exposing for sale, or selling of an article which is contained in a package or container as herein defined."

That our labeling laws are fairly well lived up to is evidenced by the thousands of articles put up in some form of packages that line the shelves and counters of our places of business, of which no complaint can be made. It is the exceptions to the law that make inspection necessary.

Consumers purchasing food in package form, should acquire the habit of scrutinizing the label for the net contents. It pays more to be guided by that, than by the apparent size of the package.

CANNING INDUSTRY

Our reports from our inspectors on their inspection of canning factories show that some 65 factories were visited during the canning season. General conditions were found to be good. These people, like most of those engaged in the manufacture of food-stuffs, admit that their best advertisement is a reputation for good wholesome raw material handled in a clean surrounding, and in a sanitary manner.

The 1930 pack of corn was approximately 400,000 cases less than 1929 (3,054,510 cases of 24 cans each, valued at \$6,109,020.00). On account of the extreme hot winds we experienced during July and August, it is thought the corn toughened up so that it did not make as nice a product as usual. However, on account of the rather short pack the entire crop was marketed and 1930 proved to be a fairly profitable year for all the Iowa canners.

Of the 52 firms reporting, the following report the number of different products packed:

42 of the plants reported corn, with an average price of.....	\$10.00
12 of the plants reported tomatoes, with an average price of.....	13.00
7 of the plants reported pumpkins, with an average price of.....	9.00
6 of the plants reported beans	
1 of the plants reported peas	
1 of the plants reported kraut	
2 of the plants reported spinach	
2 of the plants reported asparagus	
1 of the plants reported beets	

A complete directory of all canners and packers in the Iowa-Nebraska Association is here given with the key to the letter indicating the nature of the pack.

CANNING FACTORY LIST

CODE

A—Corn. B—Peas. C—Tomatoes. D—Apples. E—Green Beans. F—Pumpkin and Squash. G—Fish (including Salmon and Fish Products). H—Tuna. I—Hominy. J—Lima Beans. K—Kraut. L—Lobster. M—Meat. N—Succotash. O—Olives. P—Sweet Potatoes. Q—Beets. R—Rhubarb. S—Sardines. T—Clams. U—Oysters. V—Peanut Butter. W—Asparagus. X—Preserves. Y—Plums. Z—Pears.
 a—Peaches. b—Cherries. c—Pineapple. d—Prunes. e—Berries (all kinds). f—Apricots. g—Apple Sauce. h—Honey. i—Pork and Beans and Baked Beans. j—Spinach. k—Cider. l—Spaghetti. m—Milk. n—Soups. o—Grapefruit. p—tomato pulp. q—Plum Pudding. r—Red Kidney Beans. s—Fruit Salad. t—Catsup and Chili Sauce. u—Mince Meat. v—Apple Butter. w—Syrup and Molasses. xShrimp. y—Okra, and Okra and Tomatoes. z—Figs.

IOWA

Ames Canning Factory.....Ames. A-E-J.
 Atlantic Canning Co.....Atlantic. A-F.
 Anderson Bros. Canning Co.....Oskaloosa. A-C-F-E.
 Belle Plaine Canning Co.....Belle Plaine. A.

Belle Canning Co.....Office—Waterloo. A.
 Factories—Grundy Center, Reinbeck.
 Brighton Canning Co.....Brighton.C-F-K.
 Baxter Bros. Co.....Office—Brunswick, Me. A.
 Factory—Wapello
 Central Iowa Canning Co.....Cambridge. A.
 Columbus Canning Co.....Columbus Jct. C.
 Caster Canning Co.....Leon. A-C-F-E.
 Clarksville Canning Co.....Clarksville. A.
 Center Point Canning Co.....Center Point. A.
 Cedar Falls Canning Co.....Cedar Falls. A.
 Denmire, L. E.Sandusky. C.
 Elgin Canning Co.....Elgin. A-E.
 Forest Canning Co.....Forest City. A.
 Farmer Canning Co., J. LeRoy.....Office—Cedar Rapids. A.
 Factories—Van Horn, Monticello, Tipton.
 Farmer Canning Co., V. F.Mt. Pleasant.A-C.
 Farmer Canning Co., V. F.Audubon. A.
 Farmer, S. T.Story City. A.
 Ft. Madison Canning Co.....Ft. Madison. C.
 Guttenberg Canning Co.....Guttenberg. A.
 Grimes Canning Co.....Office—1220 Southern Surety Bldg. Des Moines. A.
 Factories—Perry, Rockwell City, Grimes, Pella and Altoona.
 Gilman Canning Co.....Gilman. A.
 Grinnell Canning Co.....Grinnell. A.
 Glenwood Canning Co.....Glenwood. C.
 Gockenour, Elmer, Canning Factory.....Grandview. C.
 Hartong, RoyWaterloo. K.
 H. J. Helny Co.....Muscatine. C.
 Hemstreet Canning Co.....Cedar Falls. A-C-E-W-J.
 Iowa Canning Co.....Office—Vinton. A.
 Factories—Garrison, LaPorte City, Storm Lake, Shellsburg, and Sac City.
 Iowa Valley Canning Co.....Marengo. A.
 Independence Canning Corp.....Independence. A.
 Iowa City Food Products Co.....Iowa City. A.
 Keokuk Canning Co.....Keokuk. C.
 Lake Mills Canning Co.....Lake Mills. A-C.
 Marshall Canning Co.....Office—Marshalltown. A-E-W-Q.
 Factories—Roland, Waverly, Ackley, Hampton.
 Merrill Canning Co.....Harlan. A.
 O'Hara & Sons.....Keokuk. C-E.
 Otoe Food Products Co.....Office—Nebraska City, Neb. A.
 Factory—Hamburg.
 Riverside Canning Co.....Hamburg. C-E.
 Red Oak Canning Co.....Red Oak. A.
 Sac City Canning Co.....Sac City. A-F.
 Smith, P. G., Canning Co.....Montrose. C.
 Tripoli Canning Ass'n.....Tripoli. A.
 Verden & Richards.....Dexter. A-F.
 Waterloo Canning Co.....Office—Waterloo. A.
 Factories—Dysart, Dyersville, Waterloo.
 Weir Canning Co.....Toledo. A.
 Zeigler Cont. Pres. Co.....Muscatine. C-F-K.

NEBRASKA

Auburn Canning Co.....	Auburn. A-F.
Blair Canning Co.....	Blair. A.
Cudahy Packing Co.....	Office—Chicago, Ill. M.
	Factory—Omaha.
Farrell & Co.....	Omaha. w.
Fremont Canning Co.....	Fremont. a.
Grand Island Canning Co.....	Grand Island. a.
Morris & Company.....	Columbus. A-C.
Klaus & Moersen.....	Office—Chicago, Ill. M-I.
	Factory—Omaha.
Norfolk Packing Co.....	Norfolk. A-C-E-F-I-p-r.
Otoe Food Products Co.....	Nebraska City. A-B-C-D-E-F-J-K-L-I-j-p-r.

LABORATORY REPORT

The usual large amount of routine analysis has continued in the laboratory during the year. In addition many miscellaneous foods have been analyzed to see if they were within the requirements of the law as to standard and purity.

During the year the laboratory acquired additional room to take care of the increasing demands upon it. This room was equipped for bacteriological work and the milk from 24 cities were tested for bacteria and chemical composition. This work is being continued as time permits.

TOTAL NUMBER OF SAMPLES ANALYZED

Stock Foods	1,080
Butter	981
Miscellaneous	452
Milk and Cream	575
Ice Cream	312
Seeds	1,930
Total number samples analyzed in 1930.....	5,330
Total number samples analyzed in 1929.....	5,252

BUTTER

The analysis of a large number of samples of butter made by Iowa creameries is continued each year and during 1930, 932 samples were analyzed. A compilation of the results follows:

BUTTER ANALYSIS SUMMARY—1930

MOISTURE

1 sample contained from 10% to 11% moisture
1 sample contained from 11% to 12% moisture
12 samples contained from 12% to 13% moisture
42 samples contained from 13% to 14% moisture
178 samples contained from 14% to 15% moisture
378 samples contained from 15% to 16% moisture
215 samples contained from 16% to 17% moisture
63 samples contained from 17% to 18% moisture
18 samples contained from 18% to 19% moisture
7 samples contained from 19% to 20% moisture
3 samples contained from 20% to 21% moisture
3 samples contained from 21% to 22% moisture
1 sample contained from 22% to 23% moisture
1 sample contained from 23% to 24% moisture

FAT

2 samples contained from 73% to 74% fat
1 sample contained from 74% to 75% fat
3 samples contained from 75% to 76% fat
4 samples contained from 76% to 77% fat
12 samples contained from 77% to 78% fat
36 samples contained from 78% to 79% fat
96 samples contained from 79% to 80% fat
276 samples contained from 80% to 81% fat
284 samples contained from 81% to 82% fat
151 samples contained from 82% to 83% fat
47 samples contained from 83% to 84% fat
10 samples contained from 84% to 85% fat
7 samples contained from 85% to 86% fat
1 sample contained from 86% to 87% fat

SALT

205 samples contained from 1% to 2% salt
596 samples contained from 2% to 3% salt
115 samples contained from 3% to 4% salt
13 samples contained from 4% to 5% salt
1 sample contained from 5% to 6% salt

CASEIN

767 samples contained less than 1% casein
165 samples contained from 1% to 2% casein

AVERAGE ANALYSIS

Fat	81.17%
Casein .....	.85%
Salt	2.42%
Moisture	15.68%

FAT

27.7% of samples contained 80 to 81% fat in 1929
29.6% of samples contained 80 to 81% fat in 1930
26.1% of samples contained 81 to 82% fat in 1929
30.4% of samples contained 81 to 82% fat in 1930

MOISTURE

18.8% of samples contained 14 to 15% moisture in 1929
19.0% of samples contained 14 to 15% moisture in 1930
37.1% of samples contained 15 to 16% moisture in 1929
40.5% of samples contained 15 to 16% moisture in 1930

SALT

62.5% of samples contained 2 to 3% salt in 1929
63.9% of samples contained 2 to 3% salt in 1930

The average fat of butters analyzed in 1929 was 80.39 per cent and in 1930 81.17 per cent.

The following is a tabulation of the average composition of butter analyzed for the last five years:

	1926	1927	1928	1929	1930
Fat	81.80	81.07	81.26	80.39	81.17
Salt	2.36	2.34	2.39	2.44	2.42
Casein	1.10	1.01	.91	.88	.85
Moisture	15.40	15.60	15.47	15.60	15.68

COMMERCIAL FEEDS

Economic conditions which developed during 1930 brought general complaint from the larger feed manufacturers that sales were much reduced, however, there was an increase in the number of feeds registered with the department. The low price of farm products materially reduced the demand for prepared feeds but induced the local feed dealers to manufacture their own feeds for local sales.

During the year the laboratory analyzed 921 samples of feed taken from lots in the hands of dealers and the results were published in a special bulletin for general distribution. With but few exceptions feeds were found to be up to the guarantee of the manufacturer.

SEEDS

During the 1930 season, 1,930 samples of seed were tested by the department.

In general the quality of these seeds were good and correctly labeled.

We cannot emphasize too strongly the advisability of having all seed tested before planting. Low priced seed is usually very expensive in the end.

INSPECTION FORCE

The position of inspector in the Dairy and Food Division of the department of Agriculture seems to carry an ever increasing responsibility, as each legislature adds a new law or two for its supervision. A glance at the list of laws on page 6 of this report will give one some idea of what they are expected to look after in their daily rounds over their respective territories. Each one of these titles represents a law governing that specific subject. These laws must be understood by the inspector as to their purpose and application. He becomes prosecutor one day and judge the next, as he enforces the law in one case and arbitrates it the next.

There were 163,001 inspections made by our 33 men during the year, an average of 5,000 per inspector. This does not include the meetings they attended, samples collected, samples tested, prosecutions made, or examinations given. Besides the above they do much of the field work in securing the information for the statistical information put out by the department relative to the production and marketing of agricultural products.

The work of these men is divided into seven general divisions:

Dairy, Oil, Gas Pump, Scales, Sanitary, Food, and Miscellaneous. On account of the importance of the dairy work, all except the heavy scale men have to have a thorough knowledge of the manufacture and handling of all dairy products and in addition to this a good business understanding of all the other lines is necessary.

There is hardly a line of business now days that does not have an organization made up of persons in that particular business, as the buttermakers, creamery men, ice cream manufacturers, bakers, carbonated beverages, milk dealers, etc. Not a week passes that we do not get one or more requests for some one from the department to appear on the program of an annual meeting of one of these organizations. During the year over 550 meetings of one kind or another were attended by our inspectors.

The outstanding work of this group along educational and promotional lines during 1930, was the organization of 31 groups, in that many sections of the state, of all persons interested or engaged in the buying from producer, butter, poultry and eggs. This was handled by Mr. Brownlee and Mr. Kennedy of the Department, assisted by the inspectors in the several districts, Mr. Ter-mohlen of the Extension Department of Ames, and the County Agents.

Its purpose is to create a greater interest in quality production of our butter, eggs and poultry, and to encourage the buying on grade. Much interest was manifested in the territories where these meetings were held and they were well attended. We understand there is a membership of over 1,200 members.

So far the increased efficiency of the men as they become more familiar with their duties, has made it possible for the department to take on, from time to time, more inspection work without increased expense.

TOTAL INSPECTIONS FOR THE YEARS ENDING

	1926	1927	1928	1929	1930
Counter Scales.....	39,059	36,808	34,601	32,857	28,963
Groceries	19,263	19,836	18,356	17,497	17,592
Platform Scales.....	16,260	13,956	14,202	13,549	12,109
Gas Pumps & Measures...	12,015	13,501	12,645	15,634	16,608
Produce	11,475	12,593	12,171	11,941	11,776
Cream Test Scales.....	10,237	9,409	9,857	8,938	8,213
Cream Stations	10,269	10,530	10,422	9,931	9,561
Meat Markets	9,474	10,158	9,715	9,940	10,463
Restaurants	10,305	10,431	7,713	7,827	7,445
Oil	7,724	8,069	7,776	8,426	7,927
Wagon Scales	3,478	3,978	3,791	3,615	3,869
Creameries	2,490	2,524	3,061	2,593	2,720
Confectionery	3,155	3,430	3,036	2,842	2,356

Farm Dairies	1,096	2,485	2,336	1,036	2,051
Bakeries	1,419	1,738	1,501	1,527	1,359
Hotels	1,816	1,533	1,517	1,643	1,244
Feed Stores	1,990	2,777	2,407	2,616	2,496
Miscellaneous	1,452	917	921	1,179	2,033
Ice Cream Factories	1,013	897	1,008	828	869
Slaughter Houses	933	1,023	1,156	1,135	1,009
Dairymen	896	263	1,657	...	...
Coal Dealers	551	460	556	328	410
Milk Wagons	430	1,670	...	...	...
Seed Dealers	536	652	578	658	495
Bottling Works	241	256	262	231	212
Rendering Plants	263	281	236	232	356
Milk Distributors	...	...	...	1,465	1,865
Penny-in-Slot Scales	636	647	730	834	988
Wholesale Groc. & Fruits	161	211	192	213	118
Elevators	141	7	...	...	...
Investigations	...	845	1,329	1,025	1,551
Public Toilets	...	246	278	255	384
Canning Factories	...	135	143	136	162
Soda Fountains	...	113	1,892	2,383	2,237
Cold Storage	...	3	48	37	39
Mattress Factories	...	2	30	17	8
Fair Stands	...	...	...	3,358	3,522
	168,778	172,384	169,393	166,736	163,001

MISCELLANEOUS WORK

	1926	1927	1928	1929	1930
Meetings Attended	558	645	1,021	846	859
Complaints Investigated	2,537	1,156	...	...	...
Samples Collected	12,099	7,943	9,227	8,115	8,142
Samples Tested	10,583	16,085	16,379	14,843	13,158
Prosecutions	286	311	164	156	157
Examinations Given	1,568	1,316	1,214	985	813
	27,631	27,406	27,996	24,945	23,129

DAIRY AND FOOD DIVISION—YEAR ENDING DECEMBER 31, 1930

Office Force	Salary	Expense
R. G. Clark	\$ 3,000.00	\$ 33.50
B. O. Brownlee	3,200.00	1,169.86
E. L. Redfern	3,000.00	57.40
C. S. Bogle	2,500.00	143.68
R. C. Mechnan	2,800.00	...
O. L. Osburn	1,000.00	...
J. B. Shoemaker	472.50	...
J. G. Griffin	500.00	...
Geo. Callahan	375.00	...
C. F. Lawrence	124.51	...
D. E. Perfect	162.76	...
A. W. Day	2,800.00	62.25
J. W. Reese	1,600.00	...
Evelyn Rees	1,500.00	...
Mildred Liddell	1,320.00	...
Kathryn Birmingham	1,200.00	...
Grace Snyder	1,130.00	...
Mildred Colgan	98.13	...
Inspectors:		
J. B. Frisbie	2,300.00	542.19
F. L. Odell	2,300.00	551.82
T. A. Clarke	2,300.00	625.35
Guy Thomas	2,300.00	788.11

DAIRY AND FOOD DIVISION—YEAR ENDING DEC. 31, 1930—Continued

Office Force	Salary	Expense
Ray Scoles	2,300.00	873.02
C. N. Hart	2,300.00	779.28
D. T. Broers	2,300.00	540.71
F. D. Ford	2,000.50	798.65
F. D. Payn	2,300.00	830.48
Burt Willis	2,300.00	613.22
A. A. Nolte	2,300.00	801.54
L. E. Utterback	2,300.00	725.76
S. W. Hoover	1,800.00	883.25
R. E. Long	2,300.00	925.41
S. S. Rygh	2,300.00	756.29
W. A. Carrier	2,300.00	690.33
B. F. Schultz	2,300.00	1,016.08
Elmer Reed	2,300.00	724.49
J. D. Fete	2,300.00	976.20
A. L. Landis	2,300.00	615.07
F. W. Stephenson	2,300.00	650.97
W. W. Newland	2,300.00	561.72
O. P. Thompson	2,300.00	884.15
A. E. Robertson	2,300.00	795.84
Peter White	2,300.00	700.18
E. E. Mittlestadt	2,300.00	660.73
C. E. Behnke	2,300.00	1,039.85
Fred Susie	2,300.00	551.25
H. F. Ritter	1,054.13	246.16
D. I. Short	955.00	343.52
H. W. McElroy	2,300.00	757.80
B. V. Barker	2,300.00	1,553.92
A. B. Briggs	2,300.00	1,411.71
F. W. Johnson	2,300.00	1,257.67
	\$ 10,384.55	\$ 28,611.00
Expense—General Office and Laboratory:		\$ 2,697.67
Expense		1,280.00
New automobiles		2,314.30
General auto expense		...
		\$ 6,341.90

LICENSES ISSUED AND FEES RECEIVED YEAR ENDING DECEMBER, 1930

Oil Inspection Fees (Bbls.)	No. 1,089,095	\$ 43,563.82
Sanitary Law Licenses	No. 6,174	18,522.00
Babcock Test Licenses	No. 4,176	10,440.00
Egg Dealers Licenses	No. 8,060	8,060.00
Poultry Dealers Licenses	No. 3,530	3,530.00
Scale Tag Licenses	No. 2,020	6,060.00
Scale Inspection Fees	No. 4,286	12,858.00
Feed Inspection Fee Tags (Tons)	No. 326,887	32,688.68
Milk Dealers Licenses	No. 7,016	7,016.00
Gasoline Pump Licenses	No. 14,819	44,457.00
Hotel Transfer Fees	No. 48	48.00
Hotel Licenses	No. 1,563	7,953.00
Fair Restaurant Licenses	No. 1,219	3,657.00
Restaurant Licenses	No. 4,820	14,460.00
Commercial Feed Fees	No. 2,639	2,728.50
Feeding Stuffs Analysis Fees	No. 205	205.00
Seed Analysis Fees	No. 572	286.00
Rendering Plant Licenses	No. 148	3,700.00
Cold Storage Licenses	No. 18	450.00
Warehouse Law Fees	No. ...	31.00
Commercial Fertilizer Fees	No. 100	2,000.00
Iowa Butter Trade Mark (Stamps)	No. 3	103.50

Mattress Inspection Fees.....No.	6	60.00
State Entomologist Fees.....No.	.....	2,896.00
Agricultural Lime Analysis.....No.	.....	.....
Miscellaneous.....No.	.....	11.40

\$225,799.90

BOTTLING WORKS LICENSES IN 1930

Hawarden Bottling Works.....	Hawarden
Sheldon Bottling Works.....	Sheldon
Cherokee Bottling Works.....	Cherokee
Crown Bottling Works.....	Spencer
Spirit Lake Bottling Works.....	Spirit Lake
Egralharve Bottling Works.....	W. Okoboji
Nehi Bottling Works.....	Spencer
Mineral Springs Bottling Works.....	Algona
Ray Atkinson Bottling Works.....	Emmetsburg
E. M. Munson Bottling Works.....	Estherville
Mason City Bottling Co.....	Mason City
Nashua Bottling Co.....	Nashua
New Hampton Bottling Works.....	New Hampton
Rush Bottling Works.....	Cresco
Charles City Bottling Works.....	Charles City
Elkader Bottling Works.....	Elkader
Waukon Bottling Works.....	Waukon
Calmar Bottling Works.....	Calmar
Walter Bottling Works.....	Guttenberg
Decorah Bottling Works.....	Decorah
Pocket City Bottling Works.....	McGregor
Lime Rock Springs Bottling Works, Sageville Road.....	Dubuque
Artesian Bottling Works, 2327 Central Ave.....	Dubuque
C. E. Kleis Bottling Works, 55 E. 9th.....	Dubuque
Coca Cola Bottling Works, 441 White.....	Dubuque
R. J. Cosley Bottling Works, 141 Locust.....	Dubuque
Huberty Bros. Bottling Works.....	Dyersville
Maquoketa Bottling Works.....	Maquoketa
Bellevue Bottling Works.....	Bellevue
Tri-City Bottling Works, 623 W. 2nd.....	Davenport
Baker Bottling Works, 710 W. 1st.....	Davenport
Eagle Bottling Works, 4th and Taylor.....	Davenport
Witt Bottling Works, 302 W. 1st.....	Davenport
Diamond Bottling Works, 1411 Wash. St.....	Davenport
Iowa Bottling Works, 522 3rd Ave., S.....	Davenport
DeWitt Bottling Works.....	DeWitt
Conger & Conger.....	Washington
J. B. St. Clair, Inc.....	Muscatine
City Bottling Works.....	Muscatine
Durant Bottling Works.....	Durant
Mt. Pleasant Bottling Works.....	Mt. Pleasant
Mathes Co., Inc.....	Burlington
Cocoa Cola Bottling Works.....	Burlington
Stellern Bottling Co.....	Fort Madison
Acme Beverage Co.....	Keokuk
J. Burke & Co.....	Keokuk
Coca Cola Bottling Co., 637 W. 2nd.....	Ottumwa
Fuhs Bottling Co., 525 W. 2nd.....	Ottumwa
Lancey Bros., Bottling Co., 523 W. Main.....	Ottumwa
Lancey Orange Crush Co., 813 W. Main.....	Ottumwa
Peoples Ice Cream.....	Bloomfield
Forest City Bottling Works.....	Fairfield
Superior Bottling Works.....	Chariton
Diamond Bottling Works.....	Albia

F. E. Fuhs Bottling Works.....	Albia
Nehi Bottling Works.....	Centerville
Centerville Bottling Works.....	Centerville
Crystal Beverage Co.....	Mt. Ayr
Tyler Bros. Bottling Works.....	Creston
Oyceola Bottling Works.....	Oyceola
Tyler Bros. Bottling Works.....	Clarinda
Tyler Bros. Bottling Works.....	Shenandoah
Blue Bottling Works.....	Red Oak
Hamburg Bottling Works.....	Hamburg
C. Giese Bottling Co.....	Council Bluffs
John Woodward Bottling Co.....	Council Bluffs
Sears Bottling Works.....	Onawa
L. J. Cross Bottling Works.....	Akron
Le Mars Bottling Works.....	Le Mars
Chesterman Co., Bottling Works.....	Sioux City
Lane Bottling Works.....	Sioux City
Sioux City Bottling Works.....	Sioux City
Sioux City Bottling Works.....	Sioux City
Rockwell City Bottling Works.....	Rockwell City
Sac City Catering Co.....	Sac City
A. C. Birkey Bottling Works.....	Manson
Ft. Dodge Bottling Works Co.....	Fort Dodge
Mineral Springs Coca Cola Bottling Works.....	Humboldt
Johnson Bottling Works.....	Manson
Northwestern Bottling Works.....	Iowa Falls
Eagle Grove Bottling Works.....	Eagle Grove
Hampton Bottling Works.....	Hampton
Tucker Bottling Works, 1442 W. 2nd St.....	Waterloo
Cocoa Cola Bottling Works, 804-6 Commercial St.....	Waterloo
Waterloo Bottling Works, 1205 Jefferson St.....	Waterloo
Kniss Bottling Works, 178 W. 10th St.....	Waterloo
Twin City Bottling Works, 17 N. Franklin St.....	Cedar Falls
Cerex Bottling Works, 208 Bremer St.....	Waverly
Oelwein Bottling Works.....	Oelwein
Hruby Bottling Works.....	Manchester
Towerton Bottling Works.....	Independence
C. R. Coca Cola Bottling Co., 716 5th Ave., E.....	Cedar Rapids
Cedar Rapids Bottling Works, 118 N. 1st St.....	Cedar Rapids
Wm. Tehel Bottling Works, 409 6th Ave., E.....	Cedar Rapids
Bancroft & Son Bottling Works.....	Monticello
G. N. Peet Bottling Works.....	Anamosa
Grafts Bottling Works, 218 N. Lynn St.....	Iowa City
Iowa City Bottling Works, 525 S. Gilbert St.....	Iowa City
Mahaska Bottling Works.....	Oskaloosa
M. & M. Star Bottling Works.....	Oskaloosa
Coco Cola Bottling Works.....	Knoxville
A. E. Rhoades Bottling Works.....	Delta
Atlantic Bottling Works.....	Atlantic
Anita Bottling Works.....	Anita
Prehlendorf Bottling Works.....	Atlantic
Gold Bond Produce Co., Bottling Works.....	Denison
Carroll Bottling Works.....	Carroll
Manning Bottling Works.....	Manning
Jefferson Bottling Works.....	Jefferson
Ames Bottling Co.....	Ames
Linderblood Bottling Co.....	Boone
Perry Bottling Works.....	Perry
Barley Boys Pop.....	Marshalltown
Coco Cola Bottling Works.....	Marshalltown
Tama Bottling Works.....	Tama

Star Bottling Works.....	Belle Plaine
Colfax Bottling Works.....	Colfax
Fry Bottling Works Co.....	Colfax
Lewis Bottling Co., 114 W. 2nd St., S.....	Newton
Dorsey Bottling Works, 2611 Dean Ave.....	Des Moines
Royal Canadian Bottling Works.....	Des Moines
Poncele Water Co., 1345 20th St.....	Des Moines
Coco Cola Bottling Co., 1207 25th St.....	Des Moines

LIST OF

ICE CREAM MANUFACTURERS LICENSED DURING 1930

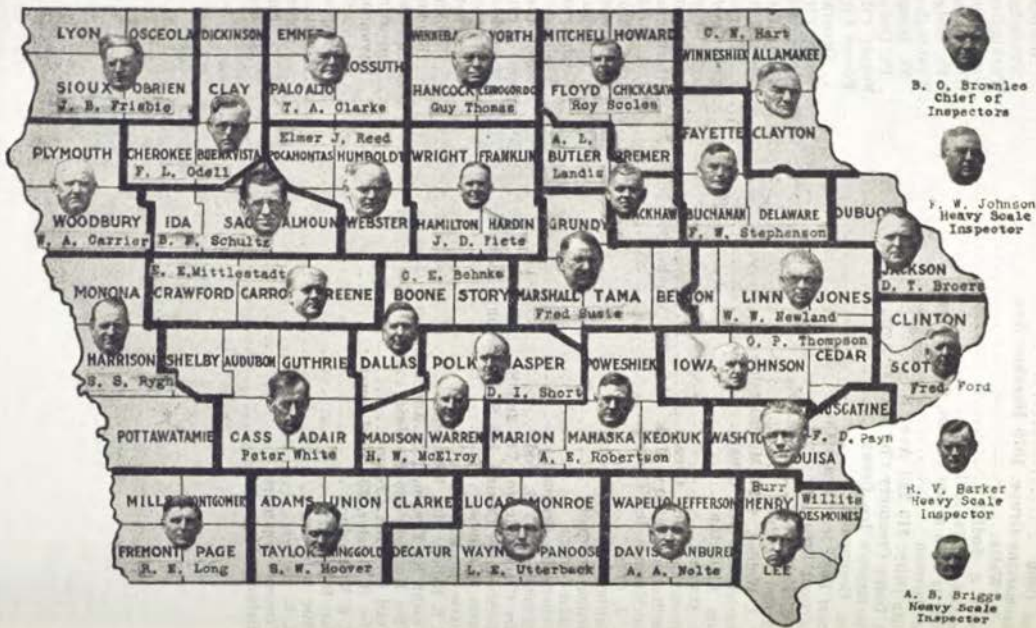
T. F. Gebbie.....	Carbon
Centrox Dairy, 1115 S. 16th.....	Centerville
Hutchinson's Ice Cream.....	Centerville
W. L. Jennings.....	Centerville
Exira Creamery Co.....	Exira
Artificial Ice.....	Andubon
Nebel Bros.....	Belle Plaine
Hutchinson's Ice Cream.....	Vinton
James Jefferies.....	Vinton
Hutchinson's Ice Cream.....	Cedar Falls
J. & H. Dairy, 118 W. 3rd.....	Cedar Falls
Olympia Candy Co., 401 Main.....	Cedar Falls
Peter Mayrells, 226 W. 4th.....	Waterloo
Hutchinson's Ice Cream.....	Waterloo
Paras Bros., 122 E. 4th.....	Waterloo
Potter Ice Cream Co., 10th and Bluff.....	Waterloo
J. Costas, 305 E. 4th.....	Waterloo
Rex Avery, 807 E. 4th.....	Waterloo
Frank Otis.....	Boone
Washington Candy Kitchen.....	Boone
Peerless Products Dairy.....	Boone
Hutchinson's Ice Cream.....	Waverly
Burris & Soener, 218 Main.....	Independence
Wm. DeLong.....	Linn Grove
Mrs. L. A. Kunkle.....	Lake City
Manning Creamery Co.....	Manning
Carroll Creamery Co.....	Carroll
Ernest Marcucci, 5th and Adams.....	Carroll
Mike Tessandori, 101 N. 5th.....	Carroll
Hutchinson's Ice Cream.....	Atlantic
F. Pieruccini.....	Tipton
F. B. Higley & Co., 409-411 S. Fed.....	Mason City
Hutchinson's Ice Cream.....	Mason City
Cherokee Creamery Co.....	Cherokee
Hutchinson's Ice Cream.....	New Hampton
H. C. Romine.....	Oscola
Storm Lake Prod. Co.....	Storm Lake
Frank's Ice Cream.....	Spencer
Redman's Sanitary Dairy.....	Spencer
H. H. Hagensick.....	Elkader
Downie & Dinan.....	Elkader
Mrs. C. B. Madison.....	Edgewood
Amos Pollastrini, 330 S. 2nd St.....	Clinton
Hutchinson's Ice Cream.....	Clinton
Kirchoff Ice Cream, 111 S. 4th.....	Clinton
Hutchinson's Ice Cream.....	DeWitt
Papakyriakos Bros., 415 S. 2nd.....	Clinton
Rederer & Petersen, 319 N. 4th.....	Clinton
Clinton Ice Cream & Artificial Ice Co.....	Clinton
Marcucci Bros., 612 2nd St., S.....	Clinton

Overton Bros.....	Perry
Hutchinson's Ice Cream.....	Perry
McDonald Ice Cream.....	Perry
Carl D. Blohm.....	Dexter
England Creamery Co., 106 W. Jefferson.....	Bloomfield
Hutchinson's Ice Cream.....	Manchester
Chas. Skands.....	Mediapolis
Stadlander Bros.....	Burlington
Lagomarcino Grupe Co.....	Burlington
Hutchinson's Ice Cream.....	Arnolds Park
Oriental Sweet Shop, 823 Main.....	Dubuque
Sanitary Milk Co., 60 E. 7th.....	Dubuque
Mulgrew Ice Cream, 1310 White.....	Dubuque
Hutchinson's Ice Cream.....	Estherville
E. C. Johnson.....	West Union
Hutchinson's Ice Cream.....	Oelwein
Hutchinson's Ice Cream.....	Charles City
Wright Bros.....	Charles City
Jefferson Creamery, 120 S. Cherry.....	Jefferson
C. E. Blaylock.....	Grand Junction
Louis Tronchetti, 102 N. Cherry.....	Jefferson
Hutchinson's Ice Cream.....	Webster City
C. N. Papadakes.....	Britt
Princess Sweet Shop, 607 Washington.....	Iowa Falls
K. J. Dreier.....	Hampton
Ossi & Mercucci.....	Webster City
Russell Drake.....	Iowa Falls
H. Soballe.....	Eldora
Hutchinson's Ice Cream.....	Iowa Falls
Angelici & Incross.....	Logan
Wright & Victor.....	Missouri Valley
Gillette Sanitary Dairy & Creamery.....	Missouri Valley
Franklauser Dairy Co.....	Mt. Pleasant
Sodin & Bacino.....	Mt. Pleasant
Puritan Ice Cream.....	Cresco
B. L. Kell.....	Williamsburg
J. J. Marouses, 122 Main.....	Maquoketa
Gibson & Kirby.....	Fairfield
Newton Drug Co., 102 1st St., N.....	Newton
City News Co.....	Newton
Co-op. Dairyland Ass'n, 108 2nd Ave., W.....	Newton
Hutchinson's Ice Cream.....	Newton
Linder-Iverson.....	Fairfield
Hutchinson's Ice Cream.....	Iowa City
Hutchinson's Ice Cream.....	Oxford Junction
Sidwell Dairy Co., 15 W. College.....	Iowa City
Hutchinson's Ice Cream.....	Monticello
Anamosa Farmers Creamery Co.....	Anamosa
James W. Green.....	Sigourney
H. D. Roddy, 12th & Morgan.....	Keokuk
J. F. Behlmer, 101 E. State St.....	Alkona
Keokuk Ice Cream Co.....	Keokuk
Fort Madison Creamery Co.....	Fort Madison
Hutchinson's Ice Cream, 425 S. 3rd St.....	Cedar Rapids
C. E. Batchelder.....	Marion
Springville Creamery Co.....	Springville
Russell's Velvet Ice Cream, 210 E. Ave., W.....	Cedar Rapids
Geo. Pasules.....	Chariton
Edison Pharmacy.....	Monroe
Parke Court Pharmacy.....	Cedar Rapids
Hutchinson's Ice Cream.....	Charlton

J. C. Flatt.....	Chariton
J. W. Hetherington, 319 High Ave.....	Oskaloosa
Hutchinson's Ice Cream.....	Oskaloosa
Maplehurst Dairy.....	Grinnell
Love's Creamery.....	Oskaloosa
Central Park Cafe.....	Pella
V. R. Woodward.....	Bussey
E. L. Romine.....	Knoxville
N. C. Nielsen, 207 S. 3rd Ave.....	Marshalltown
Hutchinson's Ice Cream.....	Marshalltown
Burhank Ice Cream, 306 E. Boone.....	Marshalltown
Wachter Confectionery.....	Marshalltown
Parenti Bros.....	Glenwood
Starr Ice Cream.....	Osage
Felton & Burlingame.....	Albia
Hutchinson's Ice Cream.....	West Liberty
H. F. Sichman.....	Muscataine
Leu & Son, 312 Sycamore.....	Muscataine
Lee Blue Ice Cream.....	Red Oak
Tyler Bros.....	Villisca
Hutchinson's Ice Cream.....	Emmetsburg
Papadakes Bros.....	Emmetsburg
Spotts & Post, 14 Central Ave. N. E.....	LeMars
Fred H. Wells.....	LeMars
Hutchinson's Ice Cream.....	Des Moines
J. D. Reed, 1910 Clark.....	Des Moines
Furnas Ice Cream.....	Des Moines
Flynn Dairy.....	Des Moines
Boyce Sweet Shop, 2427 University.....	Des Moines
Harold Milner, 242 E. 28th.....	Des Moines
R. J. Romine, 3845 6th Ave.....	Des Moines
Perdue Ice Cream, 1191 3rd.....	Des Moines
Ray E. Fox, 14th & Keo.....	Des Moines
Switzer Drug Co.....	Runnells
Hurd Creamery Co., 12th Ave. & 4th St.....	Council Bluffs
Howarth's Ice Cream.....	Council Bluffs
Walter Evans, 420 E. Broadway.....	Council Bluffs
Frank L. Nef.....	Brooklyn
Glenn Smith.....	Grinnell
Staffanor & Jorris, 825 4th Ave.....	Grinnell
E. R. Pine.....	Diagonal
Tom Mahoney, 215 W. 29th.....	Davenport
Wm. Jorgensen, 1730 7th.....	Davenport
Hutchinson's Ice Cream.....	Davenport
Gossell, Inc., 408 E. Locust.....	Davenport
Palmer School of Chiropractic.....	Davenport
John C. Powleson, 1331 E. Locust.....	Davenport
Banquet Ice Cream Co., 1520 Harrison.....	Davenport
C. G. Jackson Pharmacy, 1119 Brady.....	Davenport
Wm. L. Davis, 1107 Mound.....	Davenport
Ramm Bros., 1634 W. Locust.....	Davenport
Wm. Draenos, 432 W. 3rd.....	Davenport
Home Made Ice Cream, 520 Brady.....	Davenport
Maehr Co., 316 W. 3rd.....	Davenport
Harlan Ice Cream.....	Harlan
Mullarkey's Puritan Ice Cream.....	Hawarden
Dairy Dept. Iowa State College.....	Ames
O'Neil Dairy Co., 308 5th.....	Ames
Hutchinson's Ice Cream.....	Tama
Tom Bliss.....	Traer
Pizza C. Mariotti.....	Bedford

Hartman & Galey, 502 E. Williams.....	Ottumwa
Hutchinson's Ice Cream.....	Ottumwa
Geo. Cobb.....	Bedford
Lagomarcino Grupe, 1079 Hershey Ave.....	Muscataine
C. E. Watts.....	Washington
Nardy & Sodini.....	Washington
Cantoni & Cantoni.....	Washington
Olympia Cafe & Ice Cream, 901 Central.....	Ft. Dodge
Ed Hartman.....	Washington
Elgin Dairy, 315 2nd Ave., S.....	Ft. Dodge
Ft. Dodge Creamery Co., 301 1st Ave., N.....	Ft. Dodge
Hutchinson's Ice Cream.....	Forest City
Geo. Geannouis.....	Forest City
Sugar Bowl Ice Cream Co.....	Decorah
Fairmont Creamery Co.....	Sioux City
I. C. Eckhart.....	Correctionville
Hanford Produce.....	Sioux City
C. J. Wollies, 4613 Morningside.....	Sioux City
Hutchinson's Ice Cream.....	Clarion
Sam Middleton.....	Eagle Grove
S. Angnos.....	Eagle Grove
Hutchinson's Ice Cream.....	Leon
Burlington Sanitary Milk Mkt., 827 Wash.....	Burlington
Hutchinson's Ice Cream.....	Albia
L. J. Cross.....	Akron
Hutchinson's Ice Cream.....	Nevada
Buxton Creamery.....	Ottumwa
Linder-Iverson.....	Washington
Western Ice Cream.....	Washington
Ed Soteros, 123 S. Fed.....	Mason City
Mrs. Grace Beightol, 716 2nd St.....	Webster City
Kirchhoff Ice Cream, 108 S. Natteson.....	Maquoketa
Davos & Paulos.....	Newton
Staves Bros.....	Fairfield
J. E. Bailey, 1401 Blondeau.....	Keokuk
Vaughn Ice Cream, 18th and Johnson.....	Keokuk
Theo. Kovates, 206 E. Main.....	Marshalltown
Pearl City Ice Cream.....	Muscataine
Wm. H. Geisler, 236 W. Locust.....	Davenport
S. & R. Produce.....	Milo
Earl Bryan.....	Hampton
Drier Dale Inn.....	Hampton
R. R. Hadley.....	Ackley
Farmers Creamery.....	Hull
Sheldon Dairy.....	Sheldon





CREAMERY STATISTICS OF IOWA, 1930

County	Number Creameries Reported	Pounds Milk Received	Pounds Cream Received	Pounds Butter Manufactured	Pounds Sold to Patrons	Pounds Sold in Iowa	Pounds Sold Outside of Iowa	Amount of Sweet Cream Sold	Total Value	
Adair	2	19,922	1,723,028	710,258	42,083	82,601	585,852		228,212.41	
Adams	1		491,748	207,232	17,240	36,510	163,482		71,702.27	
Allamakee	7		8,724,714	2,761,800	102,100	177,822	2,481,177	175	972,156.78	
Appanoose	2	854,177	7,132,051	3,131,904	13,293	256,323	2,845,064	36,774	1,064,600.80	
Audubon	4	154,208	4,614,431	1,975,762	153,789	141,391	1,664,956		1,149,184.55	
Benton	5	84,000	5,508,666	1,925,739	79,505	514,140	1,341,730	277	706,178.26	
Black Hawk	8	983,508	8,905,418	3,245,870	145,209	900,567	2,190,554	54,709	1,069,966.81	
Boone	4	2,039,092	12,225,504	1,716,230	45,710	553,638	615,513	124,007	423,709.21	
Bremer	21	35,675,686	6,427,775	3,726,507	241,952	478,407	3,005,863	218,221	1,321,911.19	
Buchanan	8	7,816,599	12,156,743	4,707,184	277,501	235,359	4,296,353	1,981	1,649,812.42	
Buena Vista	5	363,689	3,843,006	2,066,500	196,509	221,650	1,619,025	14,181	684,035.87	
Butler	10	337,405	8,548,308	3,969,382	162,979	182,063	2,624,260	9,345	1,027,990.88	
Calhoun	4	38,000	3,215,443	1,367,382	50,938	195,645	1,021,134		423,287.79	
Carroll	8	1,215,774	7,925,363	3,420,228	113,655	397,500	2,925,758	18,883	1,181,767.18	
Cass	2	325,676	4,019,777	1,473,334	95,413	1,344,989			511,271.98	
Cedar	7		7,010,467	3,731,546	152,192	308,026	2,184,581		988,359.98	
Cerro Gordo	10	171,902	3,811,802	3,451,716	132,776	880,542	2,365,540	4,296	1,215,563.92	
Cherokee	1		1,620,872	899,780	41,576	219,185	152,541		136,376.66	
Chickasaw	10		8,769,233	2,817,654	175,156	128,007	2,504,990		1,004,219.85	
Clarke	1		1,046,500	412,787	103,696	103,696	307,395			
Clay	3		528,540	375,438	40,219	76,064	257,214		64,683.28	
Clayton	17	4,644,229	13,555,686	5,869,381	255,960	339,968	5,403,715	550	2,582,880.11	
Clinton	9	7,467,743	8,786,042	3,274,362	151,231	440,324	2,686,429	137,990	1,149,194.61	
Crawford	1		5,531,153	2,361,463		32,833	2,248,623		847,964.88	
Dallas	3	1,027,883	1,115,979	669,594		86,927	885,974	308,064	407,432.36	
Davis	1	47,469	389,422	165,052		1,000	24,035	139,997	864	54,467.16
Decatur	1		1,091,742	427,915	4,289	30,814	292,812		143,825.66	
Delaware	9	11,846	9,912,647	3,460,401	309,207	142,068	3,124,148	35,616	1,222,795.64	
Des Moines	5	35,505	1,268,814	1,288,190	282,246	574,390	430,976	4,418	138,915.87	
Dickinson	2		8,852,193	473,967	32,859	102,361	337,737		158,165.81	
Dubuque	16	6,073,321	13,654,690	5,088,861	323,526	386,546	4,174,478	47,071	1,391,466.31	
Emmet	3	880,306	3,104,589	1,172,921	89,585	225,327	845,708	29,691	407,432.36	
Fayette	15	30,418,021	11,715,434	5,251,852	256,208	375,408	4,494,479	30,625	1,916,703.90	
Floyd	4		6,619,747	2,055,035	101,099	538,707	1,402,344	2,715	539,060.51	
Franklin	8	60,868	7,364,691	2,371,562	148,835	345,433	1,860,693	166,267	823,329.33	
Greene	1	510,741	898,200	373,428	21,850	157,693	192,199		126,965.52	
Grundy	7		4,718,933	1,532,353	61,908	169,797	1,281,398		523,996.09	
Guthrie	3		1,472,032	608,083	33,150	254,608	362,762	3,837	217,074.33	

CREAMERY STATISTICS OF IOWA, 1930—Continued

County	Number Creameries Reported	Pounds Milk Received	Pounds Cream Received	Pounds Butter Manufactured	Pounds Sold to Patrons	Pounds Sold in Iowa	Pounds Sold Outside of Iowa	Amount of Sweet Cream Sold	Total Value
Hamilton	5	539,248	2,884,297	1,143,898	906,520	238,108	697,833	20,082	378,508.11
Hancock	6	7,085,855	7,708,895	3,038,916	147,967	164,098	2,382,468	4,490	934,630.61
Hardin	10	1,071,180	10,186,741	3,777,256	184,463	306,696	3,180,131	13,881	1,227,372.67
Harrison	2	672,000	246,538	116,220	1,500	37,194	72,526	3,100	38,194.22
Henry	2	2,105,749	905,861	15,429	15,429	155,125	765,307	-----	216,367.46
Howard	8	6,336,790	2,336,297	126,439	126,439	138,821	2,116,054	6,546	777,909.09
Humboldt	3	394,000	2,936,752	1,089,674	82,537	296,179	713,958	37,869	375,139.06
Ida	1	11,394	577,062	734,050	51,095	-----	679,556	-----	269,647.90
Iowa	3	38,804	1,590,541	638,472	39,708	-----	100,355	507,169	126,625.41
Jackson	11	385,094	8,774,243	3,146,569	167,469	370,380	2,505,295	8,161	1,094,302.32
Jasper	3	522,680	386,658	152,515	4,520	39,168	106,368	7,250	49,347.26
Johnson	2	584,300	584,300	278,007	4,296	209,760	38,565	532	108,186.70
Jones	5	157,096	6,593,714	2,339,848	148,637	134,845	1,945,958	270,289	777,192.65
Kossuth	13	1,459,565	8,689,800	3,051,854	308,006	1,328,285	1,414,686	64,774	1,035,540.16
Lee	4	784,800	17,968,375	8,499,684	10,254	460,239	7,989,908	4,384	2,809,885.66
Lee	4	784,800	17,968,375	8,499,684	10,254	460,239	7,989,908	4,384	2,809,885.66
Lee	4	784,800	17,968,375	8,499,684	10,254	460,239	7,989,908	4,384	2,809,885.66
Lee	4	784,800	17,968,375	8,499,684	10,254	460,239	7,989,908	4,384	2,809,885.66
Lincoln	2	22,440,674	11,737,492	4,432,979	237,517	913,518	3,301,240	306,419	1,566,435.96
Linn	9	12,899	881,375	392,503	10,963	40,882	339,929	1,312	128,430.65
Louisia	1	-----	223,448	97,465	4,464	12,469	79,786	94	3,596.25
Lucas	3	221,995	2,610,330	967,172	55,739	106,597	808,131	-----	333,212.06
Lyon	2	608,660	608,660	218,517	57,371	67,581	96,565	-----	85,209.64
Madison	6	207,805	2,859,084	1,429,383	9,779	226,454	1,119,976	325	256,889.84
Mahaska	2	5,726	1,793,113	982,511	4,634	128,444	860,033	-----	321,619.05
Marion	4	6,096,689	2,792,339	187,692	408,904	2,316,914	4,159	973,779.29	-----
Marshall	2	227,149	876,026	419,965	40,166	58,196	432,251	5,986	146,967.70
Mills	7	51,662	7,710,765	2,410,529	118,205	370,802	1,030,559	27,552	858,320.74
Mitchell	1	-----	484,688	210,000	8,607	27,148	174,245	-----	73,541.00
Monona	1	-----	17,800	8,376	725	4,668	1,797	41	1,800.75
Monroe	2	118,377	1,794,769	681,836	68,678	357,946	241,879	8,063	228,039.76
Montgomery	3	83,667	5,061,807	1,941,743	41,768	329,447	1,563,215	-----	682,468.13
Muscatine	3	557,470	7,134,632	2,021,103	167,393	231,951	1,832,384	8,658	711,110.16
O'Brien	1	367,794	4,608,240	1,733,383	140,355	100,103	1,733,739	-----	608,111.43
Osceola	2	785,828	35,598,839	1,465,155	19,229	76,086	1,494,668	-----	625,407.00
Page	7	213,814	6,679,827	2,682,850	291,504	1,300,431	1,120,525	6,438	896,082.93
Palo Alto	2	1,484,870	979,604	388,352	1,040	229,689	149,285	-----	139,536.00
Plymouth	3	-----	654,735	283,690	16,399	64,946	182,345	-----	89,883.18
Pocahontas	2	23,667,282	17,492,082	7,961,696	161,317	3,653,696	4,819,333	-----	3,040,313.87
Polk	6	149,796	4,838,944	2,096,299	71,322	354,041	1,473,076	-----	327,659.74
Pottawattamie	5	-----	3,862,696	1,477,148	56,007	39,658	1,368,103	-----	361,904.99
Poweshiek	3	-----	-----	-----	-----	-----	-----	-----	-----
Sac	1	1,079,820	434,973	614,116	16,500	259,369	342,704	21,946	217,305.70
Sac	1	1,079,820	434,973	614,116	16,500	259,369	342,704	21,946	217,305.70
Scott	6	-----	9,892,766	3,430,665	11,053	630,613	2,876,904	19,832	316,313.96
Shelby	8	61,999	976,172	387,530	62,900	18,389	300,455	-----	3,863.53
Shelby	8	1,199,420	17,894,079	6,651,262	453,891	456,055	5,744,073	17,794	2,294,526.37
Sioux	7	1,350,640	6,733,516	2,536,068	224,882	473,566	1,855,709	423	873,063.00
Sioux	7	1,350,640	6,733,516	2,536,068	224,882	473,566	1,855,709	423	873,063.00
Story	3	522,321	6,176,073	2,686,928	67,995	345,353	2,192,154	-----	899,394.53
Tama	3	-----	1,559,509	583,183	16,940	43,668	513,007	-----	49,943.47
Taylor	4	695,746	11,805,367	4,087,145	67,505	138,692	4,379,117	24,351	1,631,682.81
Union	2	-----	2,870,722	1,294,020	47,372	116,698	1,130,040	5,788	454,272.55
Van Buren	3	-----	9,835,436	3,907,491	7,789	1,075,169	2,898,731	11,869	1,349,539.61
Wapello	1	1,498,805	-----	-----	-----	-----	60,441	-----	32,046.27
Warren	3	21,620	1,327,620	561,121	385	98,003	199,730	345,787	196,079.70
Washington	2	-----	3,549,071	1,392,808	60,316	81,245	1,249,797	-----	45,711.82
Washington	2	-----	3,549,071	1,392,808	60,316	81,245	1,249,797	-----	45,711.82
Wayne	2	-----	2,086,794	1,070,915	45,265	17,436	367,629	35,693	59,468.15
Webster	8	157,354	8,434,226	2,855,100	255,844	158,703	2,439,176	1,946	985,079.80
Winnebago	10	698,909	9,749,661	3,423,092	118,564	277,371	2,927,217	15,977	1,201,139.98
Winnebago	10	698,909	9,749,661	3,423,092	118,564	277,371	2,927,217	15,977	1,201,139.98
Woodbury	3	12,608,188	69,764,038	28,182,405	296,419	671,188	27,534,093	168,774	9,272,240.55
Winneshiek	9	71,802	5,525,871	1,907,273	140,322	899,376	956,590	13,715	685,393.96
Worth	3	-----	2,116,655	825,866	53,405	163,973	608,488	1,806	276,473.86
Wright	3	-----	-----	-----	-----	-----	-----	-----	-----
	467	168,334,658	591,539,364	216,318,540	9,354,145	29,912,466	176,521,522	2,316,838	\$72,707,332.23

PREPARED BY THE IOWA DAIRY FARMERS ASSOCIATION

CREAMERY LIST, 1930

Name of Creamery	Located at or Near	Name of Proprietor, Secretary or Manager	P. O. Address of Proprietor, Secretary or Manager	Name of Buttermaker	P. O. Address of Buttermaker
Adair County—					
Adair Creamery Co.	Adair	J. W. Crow	Adair	J. T. Ryan	Adair
Greenfield Creamery Co.	Greenfield	W. A. Foster	Greenfield	Sam Dotson	Greenfield
Adams County—					
Prescott Creamery	Prescott	Chris Lundhigh	Prescott	Chris Lundhigh	Prescott
Allamakee County—					
Calhoun Creamery Co.	Church	W. G. Marti	Church	Floyd Ferris	Church
New Albin Co-op. Creamery Co.	New Albin	J. E. Welsh	New Albin	V. E. Dotzenrod	New Albin
Postville Farmers Co-op. Cry. Co.	Postville	Cloy Schultz	Postville	E. C. Riser	Postville
Arctic Spring Cry. Ass'n.	Quandahl, 10 mi. so. Spring Grove, Minn.	O. C. Flatberg	Spring Grove, Minn.	Olaf Goodno	Spring Grove, Minn., R. 3
Farmers Co-op. Creamery Co.	Waterville	O. R. Haas	Waterville	E. Nelson	Waterville
Ludlow Co-op. Creamery Co.	Waukon, R. R. 1	F. W. Kruger	Waukon, R. 1	H. L. Grovedahl	Waukon, R. 1
Farmers Waukon Creamery Co.	Waukon	Tollef Johnson	Waukon	A. H. Hansmeler	Waukon
Appanoose County—					
Centrox Dairy	Centerville	G. S. Armstrong	Centerville	A. V. Lucas	Centerville
Swift & Co.	Centerville	M. M. Stiverson	Centerville	D. K. Williamson	Centerville
Audubon County—					
Audubon Creamery Co.	Audubon	W. L. Barger	Audubon	J. Johansen	Audubon
Audubon Township Cry. Ass'n.	Exira	P. W. Sorensen	Exira	P. W. Sorensen	Exira
Exira Creamery Co.	Exira	H. K. Jensen	Exira	J. P. Jensen	Exira
Crystal Springs Cry. Co.	Kimballton	L. H. Lauritsen	Kimballton	J. I. Petersen	Kimballton
Benton County—					
Farmers Creamery	Belle Plaine	Peter Thuesen	Belle Plaine	R. Brown	Belle Plaine
Garrison Co-op. Cry. Ass'n.	Garrison	J. A. Ridenour	Garrison	Albert Erickson	Garrison
Model Creamery	Newhall	Wm. Gardemann	Newhall	J. J. Stelling	Newhall
T. M. Sinclair & Co. Cry.	Shellsburg	J. Thomsen	Shellsburg	C. Johnson	Shellsburg
Vinton Creamery	Vinton	N. O. Bendickson	Vinton	N. O. Bendickson	Vinton
Black Hawk County—					
Benson Co-op. Creamery Co.	Cedar Falls	P. A. Lund	Cedar Falls, R. 2	J. F. Lorenzen	Cedar Falls, R. 2
Crooks Creek Creamery	Denver	W. Meier	Denver, R. 1	Wm. Meier	Denver, R. 1
Boone County—					
Farmers Co-op. Creamery Co.	Dunkerton	T. R. Fisher	Dunkerton	Thomas Sadler	Dunkerton
Hudson Co-op. Dairy Ass'n.	Hudson	H. Lafrenz	Hudson	Wm. McFarlane	Hudson
Fosse Produce Co.	La Porte City	C. A. and O. Fosse	La Porte City	W. T. Turner	La Porte City
Central Creamery Co.	Waterloo	E. A. Brandes	Waterloo	R. J. Anderson	Waterloo
Carnation Company	Waterloo	C. E. Shiek	Waterloo	Roy Chadwick	Waterloo
Swift & Co.	Waterloo	J. E. Corby	Chicago, Ill.		
Bremer County—					
Bremer Creamery Co.	Bremer	Fred Christophel	Waverly, R. 2	C. W. Turner	Waverly, R. 3
Denver Creamery Co.	Denver	W. J. Moehling	Denver	W. J. Spurbek	Denver
Maxfield Creamery Co.	Denver	H. C. Griese	Denver	C. F. George	Denver
Frederika Creamery Ass'n	Frederika	Ladgh Alcock	Tripoli	Leon Qualley	Frederika
Janesville Creamery Ass'n	Janesville	B. O. Squires	Janesville	B. O. Squires	Janesville
Glit Edge Creamery	Plainfield	W. C. Dayton	Plainfield	Nichols & Bentley	Plainfield
Klinger Co-op. Creamery Co.	Readlyn	H. Otto	Readlyn	H. Segebarth	Fairbank
Readlyn Co-op. Creamery Co.	Readlyn	H. A. Griese	Readlyn	H. A. Griese	Readlyn
Climax Creamery	Sumner	H. Sell	Sumner	J. J. Zbornik	Sumner
Excelsior Creamery Co.	Sumner	Leo Harvey	Sumner, R. F. D. 4	L. B. Ehlert	Sumner
Little Valley Creamery Co.	Sumner	Chas. Krueger	Sumner, R. F. D. 4	F. B. Carter	Sumner, R. 4
Spring Fountain Creamery Co.	Sumner	Louis Gaede	Sumner, R. 2	Paul P. Schroeder	Sumner, R. 2
Sumner Creamery Co.	Sumner	George Wescott	Sumner	Albert Zierath	Sumner
Siegel Creamery Co.	Tripoli	H. F. Buhrow	Waverly, R. 2	Wm. Behrens	Waverly, R. 3
Washington Creamery Co.	Waverly	E. Lampe	Waverly	Otto Schaefer	Waverly
Western Douglas Creamery Co.	Waverly	Wm. Oberken	Waverly, R. 2	Geo. Heine	Waverly, R. 2
Knittel Creamery Co.	Readlyn	J. Strottmann	Readlyn	W. H. Boeves	Readlyn
Fremont Co-op. Creamery Co.	Tripoli	J. P. Snelling	Tripoli	H. F. Dittmer	Tripoli
Potter Siding Creamery Co.	Tripoli	W. H. Barry	Tripoli	Albert Kruse	Tripoli
Tripoli Creamery Co.	Tripoli	B. B. Bennett	Tripoli	H. C. LaLage	Tripoli
Artesian Creamery Co.	Waverly	Henry Seegers	Waverly, R. 5	C. J. Meier	Waverly, R. 5
Buchanan County—					
Aurora Farmers Creamery	Aurora	K. K. Matteson	Aurora	E. J. Primus	Aurora
Hazleton Farmers Creamery Co.	Hazleton	C. E. Riede	Hazleton	S. Bergeson	Hazleton
Wapsie Valley Creamery	Independence	C. Nielsen	Independence	R. R. Stewart	Independence
Jesup Creamery Co.	Jesup	D. E. Rogers	Jesup	A. Comfort & L. Sogard	Jesup
Winthrop Creamery	Winthrop	J. C. Guthrie	Winthrop	J. E. Morris	Winthrop
Rowley Farmers Co-op. Cry. Co.	Rowley	A. F. Sloan	Rowley	C. W. Cady	Rowley
Lamont Creamery Ass'n.	Lamont	John Dittmer	Lamont	Leo Lane	Lamont
Fairbank Farmers Co-op. Cry. Co.	Fairbank	John Youngman	Fairbank	Geo. Nydeger	Fairbank

CREAMERY LIST, 1930—Continued

Name of Creamery	Located at or Near	Name of Proprietor, Secretary or Manager	P. O. Address of Proprietor, Secretary or Manager	Name of Buttermaker	P. O. Address of Buttermaker
Buena Vista County—					
Alta Co-op. Creamery	Alta	E. W. Schaefer	Alta	O. W. Albright	Alta
Albert City Co-op. Cry. Ass'n	Albert City	F. E. Gustafson	Albert City	N. M. Pearson	Albert City
Farmers Cry. & Produce Co.	Newell	E. P. Kruse	Newell	N. C. Olson	Newell
Diamond Creamery Co.	Storm Lake	L. C. Sutherland	Storm Lake	E. W. Brauder	Storm Lake
Storm Lake Produce Co.	Storm Lake	A. O. Becker	Storm Lake	A. O. Becker	Storm Lake
Butler County—					
Farmers Co-op. Cry. Co.	Allison	Wm. Allan	Allison	F. E. Brooks	Allison
Aplington Creamery	Aplington	J. B. Morek	Aplington	J. P. Morek	Aplington
White Rose Creamery	Austinville	S. L. Patterson	Austinville	M. Andersen	Austinville
Clarksville Creamery	Clarksville	H. W. Stine	Clarksville	M. A. Jones	Clarksville
Dumont Co-op. Creamery Ass'n	Dumont	D. J. Sessler	Dumont	Elmer Anderson	Dumont
Farmers Co-op. Creamery Ass'n	Greene	A. E. McLaughlin	Greene	A. E. McLaughlin	Greene
Kesley Co-op. Creamery Co.	Kesley	R. Johnson	Austinville	G. Schipper	Aplington
New Hartford Farmers Mut. Co-op. Cry. Ass'n	New Hartford	E. F. Perrin	New Hartford	A. F. Blair	New Hartford
Parkersburg Community Cry. Co.	Parkersburg	C. G. Nelson	Parkersburg	C. G. Nelson	Parkersburg
Shell Rock Creamery Ass'n	Shell Rock	E. A. Cole	Shell Rock	E. A. Cole	Shell Rock
Calhoun County—					
Baird Creamery & Produce Co.	Lohrville	Hugh Baird	Lohrville	J. J. Stamen	Lohrville
Bork Creamery Co.	Manson	J. J. Bork	Manson	A. C. Matthes	Mapleton
Cedar Creek Creamery	Somers	S. P. Petersen	Somers	John Doose	Somers
Pomeroy Creamery Co.	Pomeroy	Schultz, Schultz & Gutz	Pomeroy	Geo. Froom	Pomeroy
Carroll County—					
Breda Creamery Co.	Breda	H. F. Lange	Sac City	A. H. Jennett	Breda
Carroll Creamery Co., Inc.	Carroll	G. W. Marget	Carroll	G. A. Wilkens	Carroll
Armour Creameries	Coon Rapids	G. O. Tisue	Carroll	Wm. Rugaard	Coon Rapids
Glidden Co-op. Cry. Ass'n	Glidden	J. W. Parker	Glidden	M. P. Junker	Glidden
Halbur Creamery	Halbur	M. J. Wagner	Halbur	M. J. Wagner	Halbur
Manning Creamery Co.	Manning	J. A. Bruck	Manning	Samuel Gleim	Manning
Rose Valley Creamery	Roselle	M. F. Friedman	Carroll, R. F. D. 4	M. Friedman	Carroll, R. 4
Dedham Creamery	Dedham	H. Lauridsen	Dedham	W. Scott	Dedham
Cass County—					
Central Iowa Poultry & Egg Co.	Atlantic	C. I. P. & E. Co.	New York City	Lloyd Johnson	Atlantic
Swift & Co.	Atlantic	J. E. Corby	Chicago, Ill.	F. E. Kelley	Atlantic, R. 7
Cedar County—					
Golden Star Creamery Ass'n	Bennett	W. H. Kroeger	Bennett	J. M. Hansen	Bennett
Dayton Creamery Co.	Clarence	F. J. Bachman	Clarence	A. Ginter	Clarence
Durant Farmers Cry. Ass'n	Durant	A. R. Lamp	Durant	H. G. Davis	Durant
Lowden Farmers' Mut. Co-op. Cry. Ass'n	Lowden	Mathlessen Pauls	Lowden	William Sloan	Lowden
Sidwell Dairy Co., Inc.	West Branch	A. B. Sidwell	Iowa City	Earl Hunter	West Branch
Interstate Dairies, Inc.	Tipton	A. B. Salsbury	Tipton	A. B. Salsbury	Tipton
Massillon Co-op. Creamery Ass'n	Massillon	P. H. Schneider	Massillon	L. H. Fettkeller	Massillon
Cerro Gordo County—					
Farmers Mut. Co-op. Creamery	Clear Lake	W. F. Paul	Clear Lake	V. J. Rule	Clear Lake
Dougherty Co-op. Cry. Co.	Dougherty	May Lalor	Dougherty	O. A. Jensen	Dougherty
Farm Product Store	Mason City	Glen Swartz	Mason City	Glen Swartz	Mason City
Thornton Co-op. Creamery	Thornton	L. E. Jacobson	Thornton	A. M. Amundson	Thornton
Ventura Farmers Creamery Co.	Ventura	H. H. Ollenburg	Garner	M. W. Dammen	Ventura
Swaledale Creamery	Swaledale	Henry Donner	Swaledale	Henry Donner	Swaledale
Sanitary Dairy	Mason City	Hermanson Bros.	Mason City	O. Anderson	Mason City
Swift & Co.	Mason City	B. L. Kearns	Mason City	Fred Mortenson	Mason City
Plymouth Co-operative Creamery	Plymouth	J. L. Stevens	Plymouth	M. J. Mikkalson	Plymouth
Rockwell Co-op. Creamery Co.	Rockwell	P. W. Grummon	Rockwell	Victor Anderson	Rockwell
Cherokee County—					
Cherokee Creamery Co.	Cherokee	Carl J. Goeb	Cherokee	Harry Cosgrove	Cherokee
Chickasaw County—					
Alta Vista Farmers Mut. Cry. Ass'n	Alta Vista	C. A. White	Alta Vista	T. F. Shipton	Alta Vista
Fredericksburg Butter Factory	Fredericksburg	J. D. Treplett	Fredericksburg	R. D. Sweet	Fredericksburg
Ionia Farmers Creamery Ass'n	Ionia	C. B. Moody	Ionia	Joe Herzog	Ionia
Jerico Farmers Mut. Cry. Ass'n	Jerico	J. E. Ralph	Lawler	A. H. Robinson	New Hampton
Lawler Creamery Ass'n	Lawler	R. E. Nulty	Lawler	John Flaskerud	Lawler
Farmers Co-op. Creamery Ass'n	Nashua	Max Wayne	Nashua	M. H. Bullis	Nashua
New Hampton Farmers Cry. Ass'n	New Hampton	J. F. Babcock	New Hampton	T. F. Slaek	New Hampton
New Hampton Creamery	New Hampton	Wescott & Winks	Sumner	J. Jacobson	New Hampton
Saude Farmers Mut. Cry. Ass'n	Saude	H. Ellingson	Lawler, R. R. 2	Edward Peter	Lawler, R. 2
Williamstown Creamery Ass'n	New Hampton	C. M. Burmaster	Fredericksburg	Aug. Bremer	New Hampton
Clarke County—					
Golden Valley Creamery	Osecola	B. H. Burns	Osecola	Frank Barclay	Osecola
Clay County—					
Farmers Co-operative Cry. Ass'n	Dickens	F. M. Whittenburg	Dickens	F. F. Wilcox	Dickens
Northwest Ice Cream Co.	Spencer	Clemson & Shaffer	Spencer	Keith Enrich	Spencer
Fostoria Co-op. Creamery Ass'n	Fostoria	D. A. Wilson	Milford	Emil Jensen	Fostoria
Clayton County—					
Farmers Creamery Co.	Edgewood	Ralph Rizer	Edgewood	R. C. Wilson	Edgewood
F. H. Hatch Co.	Edgewood	F. H. Hatch	Edgewood	W. Dilger & L. Tlip	Edgewood
Farmers Co-op. Creamery Co.	Elkader	R. C. Lemka	Elkader	Orlando Bailey	Elkader

CREAMERY LIST, 1930—Continued

Name of Creamery	Located at or Near	Name of Proprietor, Secretary or Manager	P. O. Address of Proprietor, Secretary or Manager	Name of Buttermaker	P. O. Address of Buttermaker
Garber Farmers Co-op. Creamery.....c	Garber.....	James McLane.....	Guttenberg.....	W. C. Johnson.....	Garber.....
Garnavillo Creamery Co. ....d	Garnavillo.....	A. D. Mueller.....	Garnavillo.....	F. W. Hessel.....	Garnavillo.....
White Lily Creamery.....d	Guttenberg.....	J. D. Rybarczyk.....	Guttenberg.....	B. R. Minger.....	Guttenberg.....
Littleport Farmers Co-op. Cry. Co.....c	Littleport.....	G. C. Ruegnitz.....	Elkport.....	Wayne Hunter.....	Littleport.....
Luana Farmers Co-op. Cry. Co.....c	Luana.....	Ellicott Nelson.....	Luana.....	Ben Gulsyvig.....	Luana.....
Farmers Co-op. Creamery Co.....c	McGregor.....	John C. Hellman.....	McGregor.....	D. H. Clymer.....	McGregor.....
Millville Creamery Co.....c	Millville.....	H. G. Friedlein.....	Turkey River.....	Howard D. Ash.....	Turkey River.....
Union Farmers Creamery Co.....c	Monona.....	John Sabbann.....	Monona.....	P. A. Jordahl.....	Monona.....
Star Creamery Co.....c	N. Buena Vista.....	Arnold J. Klaas.....	No. Buena Vista.....	Louis H. Wills.....	N. Buena Vista.....
Farmers Creamery Co.....c	Osterdock.....	John White.....	Garber.....	Fred J. Havens.....	Osterdock.....
Farmersburg & St. Olaf Co-op. Cry. Co.....c	St. Olaf.....	Theo. Thorson.....	St. Olaf.....	C. C. Bomberger.....	St. Olaf.....
Volga Farmers Co-op. Creamery Ass'n.....c	Volga City.....	A. L. Moats.....	Volga.....	F. P. Gernand.....	Volga.....
Volga Valley Creamery Co.....c	Mederville.....	F. E. Dittmer.....	Strawberry Point.....	G. N. Olinger.....	Mederville.....
Strawberry Pt. Farm. Co-op. Cry. Ass'n.....c	Strawberry Point.....	B. H. Cole.....	Strawberry Point.....	Otto Weger.....	Strawberry Point.....
Clinton County—					
Charlotte Creamery.....d	Charlotte.....	Wesley Smith.....	Charlotte.....	Wesley Smith.....	Charlotte.....
Clinton Pure Butter Co.....d	Clinton.....	Martin Nielsen.....	Clinton.....	Lee Cressley.....	Clinton.....
Oak Grove Dairy.....d	Clinton.....	R. L. Gideonsen.....	Clinton.....	Sanke Hansen.....	Clinton.....
Swift & Co.....cen	Clinton.....	M. B. James.....	Clinton.....	D. W. Cox.....	Clinton.....
Clinton Co. Central Creamery.....d	De Witt.....	O. C. Capper.....	De Witt.....	O. C. Capper.....	De Witt.....
Farmers Co-op. Creamery Co.....c	Toronto.....	S. A. Turner.....	Toronto.....	W. Titsimmons.....	Toronto.....
Welton Creamery.....c	Welton.....	C. B. Berst.....	Welton.....	C. B. Berst.....	Welton.....
Farmers Co-op. Cry. Co.....c	Wheatland.....	W. A. Templeton.....	Wheatland.....	O. R. Ball.....	Wheatland.....
Sanitary Butter Co.....d	Clinton.....	Elmer Frimoth.....	Clinton.....	K. Hansen.....	Clinton.....
Crawford County—					
Armour Creameries.....cen	Denison.....	R. R. Hayes.....	Denison.....	F. P. Holloran.....	Denison.....
Dallas County—					
Dexter Creamery Co.....c	Dexter.....	W. L. McMenamin.....	Dexter.....	Ward Paulsen.....	Dexter.....
Louis Pohl.....d	Dexter.....	Louis Pohl.....	Dexter.....	Louis Pohl.....	Dexter.....
Perry Milk Products Co.....cen	Dexter.....	H. Spurgeon.....	Dexter.....	C. C. Meacham.....	Perry.....
Davis County—					
England Creamery Co.....d	Bloomfield.....	H. B. England.....	Bloomfield.....	W. H. England.....	Bloomfield.....
Deaator County—					
Lamoni Co-op. Creamery Ass'n.....c	Lamoni.....	N. Ray Carmichael.....	Lamoni.....	Edward W. Stoll.....	Lamoni.....

Delaware County—					
Colesburg Co-operative Co.....c	Colesburg.....	J. H. Brown.....	Colesburg.....	A. C. Honn.....	Colesburg.....
Silver Spring Creamery Co.....d	Delhi.....	A. L. Clark.....	Delhi.....	Don. O. Holdridge.....	Delhi.....
Hopkinton Co-op. Cry. Ass'n.....c	Hopkinton.....	H. M. Reeve.....	Hopkinton.....	C. W. Rouse.....	Hopkinton.....
Manchester Co-op. Cry. Co.....c	Manchester.....	I. Metcalf.....	Manchester.....	Harry R. Cox.....	Manchester.....
Masonville Creamery.....d	Masonville.....	C. Nielsen.....	Independence.....	Claire Hogan.....	Masonville.....
Petersburg Farmers Cry. Co.....c	Petersburg.....	F. J. Osterhaus.....	Dyersville, R. 2.....	Asa White.....	Dyersville, R. 2.....
Farmers Creamery Co.....c	Ryan.....	C. F. Wendt.....	Ryan.....	A. Graham.....	Ryan.....
Farmers Co-op. Cry. Co. of Greeley.....c	Greeley.....	F. F. Phillips.....	Earlville.....	C. N. Baehler.....	Greeley.....
Farmers Mutual Creamery Ass'n.....c	Sand Springs.....	Edw. H. Cox.....	Sand Springs.....	J. J. Batchelder.....	Sand Springs.....
Des Moines County—					
Burlington Sanitary Milk Co.....d	Burlington.....	A. D. Reppert.....	Burlington.....	C. A. Thompson.....	Burlington.....
Gustafson Bros. Dairy Co.....d	Burlington.....	R. V. Gustafson.....	Burlington.....	P. N. Gustafson.....	Burlington.....
Mediapolis Butter & Ice Cream Co.....d	Mediapolis.....	Chas. Skands.....	Mediapolis.....	Chas. Skands.....	Mediapolis.....
Burlington Creamery Co.....cen	Burlington.....	F. E. Rice.....	Peoria, Ill.....	Edgar Wiemer.....	Burlington.....
Burlington Farmers Store.....d	Burlington.....	Edgar Wiemer.....	Burlington, B. 1.....	Edgar Wiemer.....	Burlington.....
Dickinson County—					
Milford Farmers Butter & Cheese Ass'n.....c	Milford.....	Fred W. Born.....	Milford.....	Fred W. Born.....	Milford.....
Spirit Lake Produce Co.....cen	Spirit Lake.....	W. F. Priebe.....	Chicago, Ill.....	Albert Stahl.....	Spirit Lake.....
Dubuque County—					
Balltown Farmers Co-op. Cry. Co.....c	Balltown.....	L. J. Sigworth.....	Waupeton.....	Fred Shafer.....	Waupeton.....
Iowa Dairy Div. of Beatrice Cry. Co.....cen	Dubuque.....	A. Fluetsch, Jr.....	Dubuque.....	H. E. Williamson.....	Dubuque.....
Swift & Company.....cen	Dubuque.....	J. E. Corby.....	Cascade, Ill.....	Geo. Jordan.....	Dubuque.....
Cascade Creamery Co.....c	Cascade.....	F. X. Sausser.....	New Vienna.....	C. A. Miller.....	Cascade.....
Hickory Valley Creamery Co.....c	Dyersville.....	Ralph Burkle.....	Dyersville.....	J. W. Sadler.....	Farley.....
Farmers Golden Star Cry. Co.....c	Dyersville.....	Sam. G. Strief.....	Epworth.....	R. V. Blaine.....	Dyersville.....
Hawkeye Farmers Creamery Co.....c	Epworth.....	J. L. Mahoney.....	Farley.....	L. E. Miller.....	Epworth.....
Farmers Cry. Co. of Farley, Iowa.....c	Farley.....	G. J. Thelsen.....	Graf.....	T. E. Landis.....	Farley.....
Holy Cross Creamery Co.....c	Holy Cross.....	Henry Rausch, Sr.....	Turkey River.....	G. Stuessi.....	N. Buena Vista.....
Globe Creamery.....c	Luxemburg.....	H. F. Smith.....	New Vienna.....	Geo. Hauer.....	New Vienna.....
New Vienna Central Creamery.....c	Sherrill.....	Henry Franz.....	Spechts Ferry.....	M. O. Buroker.....	New Vienna.....
Sherrill Co-op. Cry. Co.....c	Zwingle.....	G. A. Datsman.....	Zwingle.....	Wm. Brussel.....	Spechts Ferry.....
Zwingle Co-op. Cry. Ass'n.....d	Dubuque.....	Lorenz Hauer.....	Dubuque.....	Otto Melner.....	Zwingle.....
Sanitary Milk Co.....c	Durango.....	Frank Fischer.....	Durango.....	E. Donatsch.....	Dubuque.....
Five Points Mutual Creamery Co.....c	Worthington.....	J. M. Kohn.....	Worthington.....	F. E. McLean.....	Durango.....
Worthington Farmers Creamery Co.....c	Worthington.....	J. T. Johnson.....	Worthington.....	J. T. Johnson.....	Worthington.....
Emmet County—					
Farmers Creamery Co.....c	Dolliver.....	O. P. Stow.....	Dolliver.....	I. E. Roetman.....	Dolliver.....
Estherville Co-op. Creamery Ass'n.....c	Estherville.....	Elmer Rogers.....	Estherville.....	E. E. Kelley.....	Estherville.....
Ringsted Co-op. Creamery Co.....c	Ringsted.....	V. C. Andreassen.....	Ringsted.....	J. C. Jensen.....	Ringsted.....
Farmers Creamery Co.....c	Wallingford.....	S. O. Lundy.....	Wallingford.....	Wm. Helgason.....	Wallingford.....

CREAMERY LIST, 1930—Continued

Name of Creamery	Located at or Near	Name of Proprietor, Secretary or Manager	P. O. Address of Proprietor, Secretary or Manager	Name of Buttermaker	P. O. Address of Buttermaker
Fayette County—					
Alpha Farmers Creamery Co.	Alpha	H. J. Newachner	Alpha	P. J. Lusson	Alpha
Farmers Creamery Co.	Arlington	F. W. Bates	Arlington	Walter Waskow	Arlington
Clermont Valley Creamery Co.	Clermont	F. M. Brorby	Clermont	H. T. Handgartner	Clermont
Elgin Farmers' Dairy Co.	Elgin	M. Luchsinger	Elgin	F. L. Sires	Elgin
Fayette Mutual Creamery Ass'n	Fayette	J. E. Morf	Fayette	C. Pinch	Fayette
Hawkeye Creamery Co.	Hawkeye	A. J. Hochberger	Hawkeye	Frank Bowdish	Hawkeye
Harlan Far. Mut. Co-op. Cry. Co.	Maynard	C. H. Paul	Maynard	G. C. Mittelstadt	Maynard
Oelwein Farmers Co-op. Cry. Co.	Oelwein	J. I. Butler	Oelwein	F. H. Harms	Oelwein
Oran Creamery Co.	Oran	J. N. Getz	Oran	Will Dilley	Oran
Center Valley Creamery Ass'n	Sumner	J. F. Notbolm	Sumner, R. 3	R. J. Allenstein	Sumner
Richfield Creamery Co.	Sumner	Alfred Morf	Sumner	N. B. Tibbets	Sumner
Riverside Mutual Creamery Ass'n	Wadena	W. F. Moore	Wadena	J. J. O'Hara	Wadena
German Creamery Co.	Westgate	Herber Meyer	Westgate	J. H. Schroeder	Westgate
Westgate Creamery Co.	Westgate	T. P. Meyer	Westgate	W. H. Caswell	Westgate
Waucoma Farmers Cry. Ass'n	Waucoma	H. E. Marron	Waucoma	J. J. Boland	Waucoma
Randallia Mutual Cry. Ass'n	Randallia	J. E. Shaler	Randallia	J. W. Rizer	Randallia
Farm Co-op. Creamery of St. Lucas	St. Lucas	G. H. Haekman	St. Lucas	A. E. Mitchell	St. Lucas
West Union Farmers Cry. Co.	West Union	M. A. Hethelson	West Union	Floyd Netzger	West Union
Floyd County—					
Charles City Creamery Co.	Charles City	E. C. Sorenson	Charles City	Chas. Zierath	Charles City
Rockford Co-op. Dairy Ass'n	Rockford	R. P. Dunkelberg	Rockford	G. Goetzinger	Rockford
Nora Springs Creamery	Nora Springs	E. J. Collin	Nora Springs	E. J. Collin	Nora Springs
Niles Creamery Co.	Colwell	Frank Brunner	Colwell	C. J. Christensen	Colwell
Franklin County—					
Farmers Creamery Co.	Alexander	W. F. Dunn	Alexander	W. H. Tinkey	Alexander
Hansell Creamery Ass'n	Hansell	J. L. Straw	Hansell	Cecil Oswood	Hansell
Latimer Co-op. Cry. Co.	Latimer	A. P. Johansen	Latimer	F. M. Kidd	Latimer
Popeloy Creamery	Popeloy	E. M. Guiney	Popeloy	E. M. Guiney	Popeloy
Sheffield Community Cry. Co.	Sheffield	H. J. Binger	Sheffield	H. J. Binger	Sheffield
Farmers Creamery Co.	Dows	H. J. Iverson	Dows	A. O. Larson	Dows
E. H. Bryan	Hampton	E. H. Bryan	Hampton	H. H. Shrader	Hampton
Hamilton Co-op. Creamery	Coulter	Geo. Dohrmann	Hampton	Chester Hansen	Coulter
Greene County—					
Jefferson Creamery	Jefferson	M. E. Brunner	Jefferson	Harry Young	Jefferson
Grundy County—					
The Dike Creamery	Dike	E. K. Andersen	Dike	M. J. Kole	Dike
Grundy Co-op. Creamery Ass'n	Grundy Center	Lyle Hawn	Grundy Center	Perl Vogt	Grundy Center
Fern Creamery Co.	Parkersburg	W. H. Henning	Parkersburg	B. T. Soles	Stout
Reinbeck Farmers Creamery	Reinbeck	Wm. Matter	Reinbeck	Wm. Matter	Reinbeck
Beaver Center Creamery Co.	Stout	Andrus J. Meyer	Stout	T. H. Diger	Stout
Wellsburg Creamery	Wellsburg	H. G. Kramer	Wellsburg	G. H. Carohus	Wellsburg
Buck Grove Creamery	Parkersburg	Ralph Slight	Aplington	John P. Perry	Aplington
Guthrie County—					
Casey Creamery Co.	Casey	Joe F. Oddy	Casey	E. J. Rutt	Casey
Farmers Creamery & Produce Co.	Guthrie Center	C. A. Nelson	Guthrie Center	M. W. Bixby	Guthrie Center
Stuart Creamery Co.	Stuart	H. Earl Wise	Stuart	C. McCleary	Stuart
Hamilton County—					
Ellsworth Co-op. Cry Ass'n	Ellsworth	Manley Knutson	Ellsworth	Chris Sorensen	Ellsworth
Randall Farmers Creamery Co.	Randall	Oscar Sevold	Randall	L. E. Nelson	Randall
R. R. Bullock	Webster City	R. R. Bullock	Webster City	R. R. Bullock	Webster City
Webster City Creamery Co.	Webster City	H. E. Forrester	Webster City	Clare L. Forrester	Webster City
Williams Creamery	Williams	P. W. Petersen	Williams	C. J. Silver	Williams
Hancock County—					
Britt Creamery Ass'n	Britt	E. P. Healy	Britt	George Kolthoff	Britt
Crystal Creamery Co.	Crystal Lake	C. C. Powers	Crystal Lake	C. M. Pederson	Crystal Lake
Farmers Co-op. Creamery Co.	Garner	H. H. Pollock	Garner	C. R. Conway	Garner
Kanawha Farmers Mut. Co-op. Cry. Co.	Kanawha	V. A. Blomgren	Kanawha	M. G. Olson	Kanawha
Klemme Co-op. Creamery Co.	Klemme	Peter Josten	Klemme	A. D. Gimer	Klemme
Woden Farmers Creamery Co.	Woden	Theo. Fredrickson	Woden	George Breen	Woden
Hardy County—					
R. R. Hadley	Ackley	R. R. Hadley	Ackley	Virgil Steffen	Ackley
Alden Co-op. Creamery Co.	Alden	W. C. Granzow	Alden	Ernest Smith	Alden
Cleves Creamery	Cleves	G. W. Smith	Cleves	Glen W. Smith	Cleves
Eldora Creamery	Eldora	Herbert Soballe	Eldora	Frank Priske	Eldora
Farmers Co-op. Creamery	Eldora	Fred K. Houser	Eldora	F. W. Nelson	Eldora
Concord Co-op. Cry. Co.	Garden City	E. P. Tysdahl	Hubbard	A. M. Whitney	Garden City
Hubbard Creamery Co.	Hubbard	H. C. Hoelscher	Hubbard	John M. Hansen	Hubbard
Iowa Falls Co-op. Creamery	Iowa Falls	J. R. Santee	Iowa Falls	J. R. Jones	Iowa Falls
Swift & Co.	Iowa Falls	J. B. Smith	Iowa Falls	L. R. Rollson	Iowa Falls
Steamboat Rock Creamery	Steamboat Rock	J. J. Eller	Steamboat Rock	John J. Eller	Steamboat Rock
Harrison County—					
Dunlap Creamery Co.	Dunlap	T. D. Rider	Dunlap	John Brodrick	Dunlap
Gillette Sanitary Dairy & Cry.	Missouri Valley	W. E. Gillette	Missouri Valley	S. J. Hobson	Missouri Valley
Henry County—					
Fankhauser Dairy Co.	Mt. Pleasant	A. W. Fankhauser	Mt. Pleasant	C. E. Fankhauser	Mt. Pleasant
New London Co-op. Creamery Ass'n	New London	F. B. Mills	New London	F. B. Mills	New London

CREAMERY LIST, 1930—Continued

Name of Creamery	Located at or Near	Name of Proprietor, Secretary or Manager	P. O. Address of Proprietor, Secretary or Manager	Name of Buttermaker	P. O. Address of Buttermaker
Howard County—					
Farmers Creamery Ass'n.....	Chester.....	John M. Hughes.....	Chester.....	C. C. Plummer.....	Chester.....
Cresco Creamery Ass'n.....	Cresco.....	Eischeid & Son.....	Cresco.....	W. H. Eischeid.....	Cresco.....
Farmers Creamery Co.....	Cresco.....	Bernard McAllister.....	Cresco.....	C. W. Nast.....	Cresco.....
Elma Co-op. Creamery Co.....	Elma.....	M. H. Mealy.....	Elma.....	A. N. Berckes.....	Elma.....
Whelan Produce Co.....	Elma.....	J. P. Whelan.....	Elma.....	Earl Kelly.....	Elma.....
Maple Leaf Creamery Co.....	Maple Leaf.....	Mrs. F. G. Lauck.....	Elma.....	Nick Graf.....	Elma.....
Farmers Co-op. Creamery.....	Protivin.....	Joe Kovarik, Jr.....	Protivin.....	Chas. W. Chyle.....	Protivin.....
Saratoga Creamery.....	Saratoga.....	Hans Larson.....	Saratoga.....	Hans Larson.....	Saratoga.....
Humboldt County—					
Bode Creamery & Produce Co.....	Bode.....	A. Bathne.....	Bode.....	I. H. Beach.....	Bode.....
Humboldt Co-operative Cry.....	Humboldt.....	A. P. Andersen.....	Humboldt.....	A. P. Andersen.....	Humboldt.....
Ottosen Co-op. Cry. Ass'n.....	Ottosen.....	L. Holden.....	Ottosen.....	E. L. Forrester.....	Ottosen.....
Ida County—					
A. & P. Tea Co. Creamery.....	Ida Grove.....	R. E. Palmer.....	Ida Grove.....	Don Schultz.....	Ida Grove.....
Iowa County					
Iowa Valley Cry. Co.....	Marengo.....	E. Pelzer.....	Marengo.....	E. Pelzer.....	Marengo.....
Victor Creamery.....	Victor.....	H. F. Lenocker.....	Victor.....	Cloyd Lyman.....	Victor.....
York Co-op. Creamery Ass'n.....	Williamsburg.....	Carl Holden.....	Williamsburg, R. 1.....	A. R. Polkowsky.....	Williamsburg, R. 1.....
Jackson County—					
Andrew Co-op. Creamery Co.....	Andrew.....	J. H. Mohlenhoff.....	Andrew.....	C. O. Von Rheln.....	Andrew.....
Bellevue Co-op. Creamery Co.....	Bellevue.....	A. G. Kieffer.....	Bellevue.....	O. H. Christensen.....	Bellevue.....
Lamotte Creamery Co.....	Lamotte.....	H. A. Nemmers.....	Lamotte.....	V. J. Schultz.....	Lamotte.....
Sterling Creamery.....	Lamotte.....	John N. Hoffman.....	Lamotte.....	John M. Hoffmann.....	Lamotte.....
Farmers Union Co-op. Creamery Co.....	Maquoketa.....	R. A. Werden.....	Maquoketa, R. 1.....	J. W. Pross.....	Maquoketa, R. 1.....
Kirchhoff Ice Cream Co.....	Maquoketa.....	Ed. Kirchhoff.....	Maquoketa.....	Paul Pockels.....	Maquoketa.....
Roble Creamery Co.....	Maquoketa.....	C. J. Roble.....	Maquoketa.....	David J. Trout.....	Maquoketa.....
Monmouth Creamery.....	Monmouth.....	Leslie Collins.....	Monmouth.....	David J. Trout.....	Monmouth.....
Preston Creamery Ass'n.....	Preston.....	Max Ehler.....	Preston.....	Vern Sires.....	Preston.....
Spragueville Co-op. Creamery Ass'n.....	Spragueville.....	E. V. Driseoil.....	Spragueville.....	Ted Struble.....	Spragueville.....
St. Donatus Creamery Co.....	St. Donatus.....	J. L. Heinley.....	St. Donatus.....	Geo. P. Byrne.....	St. Donatus.....
Jasper County—					
Colfax Dairy.....	Colfax.....	E. S. Calhoun.....	Colfax.....	Roy A. Younkin.....	Newton.....
Co-operative Dairyland Ass'n.....	Newton.....	R. A. Younkin.....	Newton.....	Herman Jacobs.....	Sully, Box 170.....
Sully Co-operative Creamery.....	Sully.....	Herman Jacobs.....	Sully.....	Herman Jacobs.....	Sully, Box 170.....

Johnson County—					
Iowa City Creamery Co.....	Iowa City.....	Wm. Ruppert.....	Iowa City.....	A. A. Anderson.....	Iowa City.....
Johnson County Creamery, Inc.....	Iowa City.....	T. V. Orr.....	Cedar Rapids.....	O. S. Mossehn.....	Iowa City.....
Jones County—					
Amber Mutual Creamery Co.....	Amber.....	P. B. Daly.....	Amber.....	Hans C. Kofeod.....	Amber.....
Anamosa Farmers Creamery Co.....	Anamosa.....	Burton Brown.....	Anamosa.....	K. S. Knutson.....	Anamosa.....
Farmers Creamery Co.....	Center Junction.....	Beth M. Gilek.....	Center Junction.....	Al Johnson.....	Center Junction.....
Farmers Mutual Creamery Co.....	Langworthy.....	George Poppe.....	Langworthy.....	Clifford Arduser.....	Langworthy.....
Farmers Mutual Creamery.....	Monticello.....	O. W. Brazelton.....	Monticello.....	L. D. Morey.....	Monticello.....
Kossuth County—					
Algona Co-op. Creamery Co.....	Algona.....	M. P. Christiansen.....	Algona.....	M. P. Christiansen.....	Algona.....
Baneroft Co-op. Creamery Co.....	Baneroft.....	Joe Vaske.....	Baneroft.....	H. E. Thies.....	Baneroft.....
Burt Farmers Creamery Co.....	Burt.....	Paul Macauley.....	Burt.....	Paul Macauley.....	Burt.....
Fenton Creamery Co.....	Fenton.....	F. C. Bailey.....	Fenton.....	Fred Kucker.....	Fenton.....
Farmers Creamery Co.....	Hobarton.....	A. R. Cruikshank.....	Algona.....	Vincent Heifner.....	Algona.....
Ledyard Co-op. Creamery Co.....	Ledyard.....	J. T. Heaney.....	Ledyard.....	L. C. Strand.....	Ledyard.....
Germania Creamery Co.....	Lakota.....	J. E. Smith.....	Lakota.....	Nick Behrends.....	Lakota.....
Farmers Creamery Co.....	Lone Rock.....	J. A. Nyman.....	Lone Rock.....	Watson Shick.....	Lone Rock.....
Lotts Creek Co-op. Creamery Co.....	Lone Rock.....	Otto Wichten Dahl.....	Baneroft.....	Harold Smith.....	Lone Rock.....
Swea City Co-op. Creamery Co.....	Swea City.....	H. C. Knutson.....	Swea City.....	L. C. Knutson.....	Swea City.....
Titonka Co-op. Creamery Co.....	Titonka.....	E. P. Hansen.....	Titonka.....	J. Poulsen.....	Titonka.....
Wesley Farmers Creamery Co.....	Wesley.....	Viggo Kulsholm.....	Wesley.....	V. Kulsholm.....	Wesley.....
Whittemore Farmers Creamery Co.....	Whittemore.....	M. W. Fandel.....	Whittemore.....	O. J. Kloock.....	Whittemore.....
Lee County—					
Swift & Co.....	Keokuk.....	J. E. Corby.....	Chicago, Ill.....	J. A. Schoeschel.....	Keokuk.....
Favorite Dairy.....	Ft. Madison.....	Joe Menke.....	Ft. Madison.....	Everett Marsh.....	Ft. Madison.....
Ft. Madison Creamery Co.....	Ft. Madison.....	B. K. Peter.....	Ft. Madison.....	Gray & Dougherty.....	Ft. Madison.....
White House Creamery Co.....	Keokuk.....	Wyse Peterson.....	Keokuk.....	Wyse Peterson.....	Keokuk.....
Linn County—					
Blue Valley Creamery Co.....	Cedar Rapids.....	R. H. Vansant.....	Chicago, Ill.....	J. Waid Lentz.....	Cedar Rapids.....
Wapsie Valley Creamery.....	Cedar Rapids.....	P. V. Orr.....	Cedar Rapids, Bx. 57.....	James Boland.....	Cedar Rapids.....
Central City Butter & Cheese Co.....	Central City.....	H. H. Stedley.....	Central City.....	T. J. Freeman.....	Central City.....
Coggon Creamery.....	Coggon.....	M. L. Ware.....	Coggon.....	P. Wright.....	Coggon.....
Lisbon Co-op. Creamery Co.....	Lisbon.....	G. K. Frink.....	Lisbon.....	L. C. Capper.....	Lisbon.....
Marion Dairy Store.....	Marion.....	C. E. Batchelder.....	Marion.....	Leo Dunlap.....	Marion.....
Springville Creamery Co.....	Springville.....	F. H. Levens.....	Springville.....	Harry Erickson.....	Springville.....
Walker Farmers Creamery.....	Walker.....	H. E. McDonald.....	Walker.....	L. W. Ross.....	Walker.....
Cedar Rapids Co-op. Dairy Co.....	Cedar Rapids.....	H. G. Smyth.....	Cedar Rapids.....	C. J. Hanskins.....	Cedar Rapids.....
Louisa County—					
Columbus Creamery.....	Columbus Junction.....	R. C. Utter.....	Columbus Junction.....	L. Ohler.....	Columbus Jet.....
Farmers Creamery.....	Morning Sun.....	C. E. Brown.....	Morning Sun.....	C. R. Livingston.....	Morning Sun.....

CREAMERY LIST, 1930—Continued

Name of Creamery	Located at or Near	Name of Proprietor, Secretary or Manager	P. O. Address of Proprietor, Secretary or Manager	Name of Buttermaker	P. O. Address of Buttermaker
Lucas County— Lucas Co. Co-op. Cry. Ass'n.....c	Charlton.....	F. A. Carolus.....	Charlton.....	F. A. Carolus.....	Charlton
Lyon County— Farmers Co-operative Cry. Co.....c Inwood Creamery.....c Rock Rapids Co-op. Creamery Ass'n.....c	George..... Inwood..... Rock Rapids.....	J. S. Janssen..... Andrew Yonker..... Emil Van Anne.....	George..... Inwood..... Adrian, Minn.....	John J. Marx..... Andrew Yonker..... Raymond Haan.....	George..... Inwood..... Rock Rapids
Madison County— Winterset Creamery.....c Winterset Co-op. Creamery Ass'n.....c	Winterset..... Winterset.....	F. B. Seidler.....	Winterset.....	F. B. Seidler..... W. R. Vandermeer.....	Winterset..... Winterset
Mahaska County— Ferguson Creamery & Produce.....c Farmers Union Co-op. Creamery.....c Love's Creamery.....c Maplehurst Dairy Co.....cen The Reisman Company.....cen Home Dairy Products Co.....c	Barnes City..... Oskaloosa..... Oskaloosa..... Oskaloosa..... Oskaloosa..... Oskaloosa.....	Horace Ferguson..... G. B. Miller..... J. C. Love..... E. A. Squire..... J. C. Reisman..... Geo. Manes.....	Barnes City..... Des Moines..... Oskaloosa..... Grinnell..... Oskaloosa..... Oskaloosa.....	Horace Ferguson..... John McLane..... E. E. Love..... Matt Versteegh..... C. B. Bergstresser..... Geo. Manes.....	Barnes City..... Oskaloosa..... Oskaloosa..... Oskaloosa..... Oskaloosa..... Oskaloosa
Marion County— Knoxville Co-op. Cry. Ass'n.....c Pella Creamery.....cen	Knoxville..... Pella.....	S. A. Roberts..... Ben Kuyk.....	Knoxville..... Pella.....	J. N. Gilbertson..... Lee Jarmen.....	Knoxville..... Pella
Marshall County— Minerva Valley Co-op. Cry. Ass'n.....c Marshalltown Co-op. Dairy Mktg. Ass'n.....c N. C. Nielsen Creamery.....c State Center Farmers Creamery Ass'n.....c	Clemons..... Marshalltown..... Marshalltown..... State Center.....	Theodore Helmeke..... D. Lennox, Jr..... N. C. Nielsen..... Chris Jessen.....	Clemons..... Marshalltown..... Marshalltown..... State Center.....	C. E. Jensen..... Anton Nelsen..... Fred Thompson..... J. M. Olsen.....	Clemons..... Marshalltown..... Marshalltown..... State Center
Mills County— Glenwood Creamery Co.....cen Malvern Cold Storage Co.....cen	Glenwood..... Malvern.....	C. W. McManigal..... B. Boehner.....	Glenwood..... Malvern.....	Wm. Loustsen..... C. Dyson.....	Glenwood..... Malvern
Mitchell County— Osage Co-op. Creamery Ass'n.....c Riceville Creamery.....c St. Ansgar Creamery Co.....c Stacyville Creamery Co.....c	Osage..... Riceville..... St. Ansgar..... Stacyville.....	Judson Burtch..... Wm. A. Kistner..... O. C. Seefeldt..... W. A. Schrandt.....	Osage..... Riceville..... St. Ansgar..... Stacyville.....	Chas. Woodwiss..... Wm. & A. Kistner..... H. R. Bullis..... R. M. Durbin.....	Osage..... Riceville..... St. Ansgar..... Stacyville
New Haven Creamery.....c Rock Creek Co-op. Creamery Co.....c Little Cedar Co-op. Cry. Ass'n.....c	New Haven..... Osage..... Little Cedar.....	J. Brunner..... H. L. Johnson..... C. H. Fenney.....	Osage, R.R. 3..... Rudd..... Little Cedar.....	L. H. Weber..... H. K. Nelson..... L. J. Ethen.....	Osage, R. 3..... Osage, R. 2..... Little Cedar
Monona County— Maple Valley Creamery.....c	Mapleton.....	W. R. Koon.....	Mapleton.....	A. C. Matthies.....	Mapleton
Monroe County— Farmers Union Co-op. Mktg. Ass'n.....c	Albia.....	Roy B. Andrews.....	Albia.....	Axel Wisby.....	Albia
Montgomery County— Lee Blue Ice Cream Co.....c Red Oak Creamery.....cen Hutchinson-Meadow Gold Co.....cen	Red Oak..... Red Oak..... Villisca.....	Lee Blue..... G. L. Rushton..... A. D. Hutchinson.....	Red Oak..... Red Oak..... Des Moines.....	Earl Daddow..... Martin Van Dam.....	Red Oak..... Villisca
Muscatine County— Swift & Company.....cen The Stockton Creamery & Produce Co.....c West Liberty Co-op. Creamery Co.....c	Muscatine..... Stockton..... West Liberty.....	Swift & Co..... Earl Holst..... Lawton & Buckmann.....	Cheago, Ill..... Blockton..... West Liberty.....	L. B. Folsom..... Joe Taylor..... Wm. Sampson.....	Muscatine..... Stockton..... West Liberty
O'Brien County— Hartley Creamery.....c Sutherland Creamery Co.....c Sheldon Co-op. Creamery.....c	Hartley..... Sutherland..... Sheldon.....	Abel Anderson..... Green & Jensen..... Geo. Boerhave.....	Hartley..... Sutherland..... Sheldon.....	Jay Wolfe..... Arno Rein..... A. H. Ady.....	Hartley..... Sutherland..... Sheldon
Osceola County— Osceola Co. Co-op. Creamery Ass'n.....c	Sibley.....	C. H. Hornel.....	Ocheyedan.....	Jens Kramme.....	Sibley
Page County— Swift & Company.....cen Smoke's Sanitary Dairy.....c	Clarinda..... Shenandoah.....	J. C. Warnock..... Guy E. Smoke.....	Clarinda..... Shenandoah.....	Earl Martin.....	Clarinda
Palo Alto County— Ayrshire Creamery Ass'n.....c Emmetsburg Farmers Co-op. Cry. Co.....c Farmers Creamery Co.....c Lost Island Creamery Co.....c Mallard Butter & Cheese Ass'n.....c Farmers Co-op. Creamery Co.....c Farmers Creamery Company.....c	Ayrshire..... Emmetsburg..... Graettinger..... Graettinger..... Mallard..... Ruthven..... West Bend.....	J. A. Dalley..... Elmer Gustafson..... F. L. Lamb..... S. M. Andersen..... E. B. White..... R. Y. Currans..... F. Lockwood.....	Ayrshire..... Emmetsburg..... Graettinger..... Emmetsburg..... Mallard..... Ruthven..... West Bend.....	E. V. Larson..... Elmer Gustafson..... Palmer Frettem..... Selmer Nelson..... C. W. Larsen..... O. F. Spies..... O. W. Dubbs.....	Ayrshire..... Emmetsburg..... Graettinger..... Graettinger..... Mallard..... Ruthven..... West Bend
Plymouth County— Akron Creamery Co.....c Plymouth Creamery.....c Wells Dairy.....c	Akron..... Le Mars..... Le Mars.....	Otto C. Larsen..... J. J. Killias..... F. H. Wells.....	Akron..... Le Mars..... Le Mars.....	W. A. Larsen..... J. J. Killias.....	Akron..... Le Mars.....

CREAMERY LIST, 1930—Continued

Name of Creamery	Located at or Near	Name of Proprietor, Secretary or Manager	P. O. Address of Proprietor, Secretary or Manager	Name of Buttermaker	P. O. Address of Buttermaker
Pocahontas County—					
Farmers Creamery Ass'n.....c	Laurens.....	J. L. Hakes.....	Laurens.....	E. A. Olson.....	Laurens
Pocahontas Creamery.....c	Pocahontas.....	R. Nelson.....	Pocahontas.....	R. Nelson.....	Pocahontas
Polk County—					
Armour Creameries.....cen	Des Moines.....	Armour & Co.....	Chicago, Ill.....	Ralph S. Smith.....	Des Moines
Des Moines Co-op. Dairy Mktg. Ass'n.....c	Des Moines.....	J. H. Mason.....	Des Moines.....	O. B. Nervi.....	Des Moines
Harding Cream Co.....cen	Des Moines.....	Otto Selling.....	Omaha, Neb.....	D. W. Bobb.....	Des Moines
Hutchison Ice Cream Co.....cen	Des Moines.....	A. D. Hutchinson.....	Des Moines.....	George McClain.....	Des Moines
Lange Creamery Co. of Iowa.....cen	Des Moines.....	F. L. Taylor.....	Des Moines.....	J. E. Travase.....	Des Moines
Swift & Co.....cen	Des Moines.....	J. E. Corby.....	Chicago, Ill.....	H. C. Larson.....	Des Moines
Pottawattamie County—					
Farmers Co-op. Creamery Ass'n.....c	Avoca.....	H. V. Rock.....	Avoca.....	Albert S. Stone.....	Avoca
Hurd Creamery Co.....cen	Council Bluffs.....	Fred E. Hurd.....	Council Bluffs.....	G. S. Supernau.....	Council Bluffs
Poweshiek County—					
Hutchinson-Meadow Gold Co.....cen	Grinnell.....	H. M. Gold.....	Grinnell.....	H. E. Crowder.....	Grinnell
Brooklyn Co-op. Creamery Ass'n.....c	Brooklyn.....	J. N. Carlson.....	Brooklyn.....	John B. Pierson.....	Brooklyn
Sac County—					
Sac City Creamery Co.....cen	Sac City.....	H. F. Lange.....	Sac City.....	I. H. Saline.....	Sac City
Scott County—					
Blue Grass Creamery, Inc.....cen	Blue Grass.....	Carl Ploehn.....	Davenport.....	Edwin L. Wathan.....	Blue Grass
Davenport Dairy Product Co.....c	Davenport.....	A. C. Norskow.....	Davenport.....	.....	.....
Scott County Produce Co.....c	Davenport.....	W. H. Obdey.....	Cudahy, Wis.....	L. M. Rasmussen.....	Davenport
Sunlight Produce Company.....cen	Davenport.....	A. W. Anderson.....	Chicago, Ill.....	John S. Vale.....	Davenport
Tri City Butter Co.....cen	Davenport.....	P. J. Lyngholm.....	Davenport.....	Wm. Seltz.....	Davenport
Beatrice Creamery Co.....cen	Davenport.....	C. T. Hays.....	Chicago, Ill.....	Ell Londahl.....	Davenport
Shelby County—					
Harlan Produce Creamery Co.....c	Harlan.....	Gould & Jeck.....	Harlan.....	D. J. Moran.....	Harlan
Harlan Ice & Creamery Co.....c	Harlan.....	O. G. Rutherford.....	Harlan.....	E. W. Jensen.....	Harlan
Sioux County—					
Alton Creamery.....c	Alton.....	Herbert Lucas.....	Alton.....	Herbert Lucas.....	Alton
Farmers Co-op. Creamery Co.....c	Boyd.....	H. Schloette.....	Boyd.....	W. F. Wargowsky.....	Boyd
Farmers Mutual Creamery Co.....c	Hespera.....	Joe Hoffa.....	Hespera.....	Peter H. Yonker.....	Hespera
Sioux Falls County—					
Farmers Co-op. Creamery Ass'n.....c	Hull.....	B. Scholten.....	Hull.....	B. Scholten.....	Hull
Farmers Mut. Co-op. Creamery Ass'n.....c	Orange City.....	G. Notelboom.....	Orange City.....	R. Riedeman.....	Orange City
Rock Valley Creamery Co.....c	Rock Valley.....	Arli Gansley.....	Hudson, S. D.....	J. Dodebard.....	Rock Valley
Farmers Mutual Co-op. Creamery.....c	Sioux Center.....	H. H. Jensen.....	Sioux Center.....	H. H. Jensen.....	Sioux Center
Interstate Creamery Co.....c	Hawarden.....	J. A. Hamilton.....	Hawarden.....	P. Moerman.....	Hawarden
Story County—					
Dairy Industry Department—I. S. C.....c	Ames.....	M. Mortensen.....	Ames.....	Ejner Fabricius.....	Ames
Roland Farm Creamery Co.....c	Roland.....	O. S. Boyd.....	Roland.....	L. H. Larson.....	Roland
Farmers Co-op. Creamery Co.....c	Slater.....	H. L. Bueche.....	Slater.....	C. Clark.....	Slater
Zearing Creamery Co.....c	Zearing.....	C. P. Bean.....	Zearing.....	C. M. Petersen.....	Zearing
Story City Farmers Co-op. Creamery.....c	Story City.....	M. C. Hanson.....	Story City.....	L. C. Peterson.....	Story City
Nevada Creamery Co.....c	Nevada.....	C. T. Irish.....	Nevada.....	W. P. Hughes.....	Nevada
Huxley Farmers Co-op. Creamery Co.....c	Huxley.....	Burney Tweedt.....	Huxley.....	L. H. Aekland.....	Huxley
Tama County—					
J. H. Nell Creamery Co., Inc.....cen	Tama.....	J. H. Nell.....	Tama.....	Ray E. Adams.....	Tama
Traer Co-op. Creamery Ass'n.....c	Traer.....	H. E. Rooker.....	Traer.....	H. E. Rooker.....	Traer
Lone Pine Creamery.....c	Garwin.....	H. P. Anderson.....	Garwin.....	H. P. Anderson.....	Garwin
Taylor County—					
Bedford Creamery.....c	Bedford.....	A. E. Lake.....	Bedford.....	Leslie Klopp.....	Bedford
Blockton Creamery Co.....c	Blockton.....	W. G. Florea.....	Blockton.....	Arnold J. Henshrot.....	Blockton
Union County—					
Farmers Co-op. Creamery Co.....c	Afton.....	B. C. Hiff.....	Afton.....	H. A. Smith.....	Afton
Boyd Creamery Co.....c	Creston.....	J. I. Boyd.....	Creston.....	Avolt Schuck.....	Creston
Swift & Co.....cen	Creston.....	C. E. Cagley.....	Creston.....	J. L. Kilian.....	Creston
Armour Creameries.....cen	Creston.....	H. D. Summers.....	Creston.....	P. J. Grady.....	Creston
Van Buren County—					
Farmington Co-op. Creamery Co.....c	Farmington.....	A. G. Baldwin.....	Farmington.....	A. G. Baldwin.....	Farmington
Keosauqua Co-op. Creamery Ass'n.....c	Keosauqua.....	A. L. Fellows.....	Keosauqua.....	C. M. Reeve.....	Keosauqua
Wapello County—					
Ottumwa Co-op. Creamery Co.....c	Ottumwa.....	Herbert Smith.....	Bladensburg.....	Frank Thill.....	Ottumwa
Swift & Co.....cen	Ottumwa.....	J. E. Corby.....	Chicago, Ill.....	Ed. McFarland.....	Ottumwa
Vandelo Milk Co.....c	Ottumwa.....	J. F. Wm. Vandello.....	Ottumwa.....	O. Shoemaker.....	Ottumwa
Yorkshire Creamery Co.....cen	Ottumwa.....	G. M. Foster.....	Ottumwa.....	W. A. Stowe.....	Ottumwa
Graham Milk Co.....c	Ottumwa.....	W. S. Graham.....	Ottumwa.....	Darwin Dayton.....	Ottumwa
Warren County—					
Indianola Creamery.....c	Indianola.....	Ralph Durr.....	Indianola.....	Ralph Durr.....	Indianola
Washington County—					
Brighton Creamery.....c	Brighton.....	A. B. Clark.....	Brighton.....	H. H. Walker.....	Brighton
Wellman Co-op. Creamery.....c	Wellman.....	C. Foster.....	Wellman.....	R. G. Weeks.....	Wellman
Relster Creamery.....c	Washington.....	W. S. Reister & Sons.....	Washington.....	Harold J. Hays.....	Washington

CREAMERY LIST, 1930—Continued

Name of Creamery	Located at or Near	Name of Proprietor, Secretary or Manager	P. O. Address of Proprietor, Secretary or Manager	Name of Buttermaker	P. O. Address of Buttermaker
Wayne County—					
Allerton Creamery.....	Allerton.....	W. H. Anderson.....	Allerton.....	Frank Crowley.....	Allerton.....
J. L. Humphrey, Jr.....	Humeston.....	J. L. Humphrey, Jr.....	Humeston.....	Ralph King.....	Humeston.....
Webster County—					
Gowrie Co-op. Creamery Co.....	Gowrie.....	Mrs. F. P. Stillman.....	Gowrie.....	George Madsen.....	Gowrie.....
Ft. Dodge Creamery.....	Ft. Dodge.....	A. B. Saylor.....	Ft. Dodge.....	Bernhard Jensen.....	Ft. Dodge.....
Winnebago County—					
Buffalo Center Co-op. Creamery Co.....	Buffalo Center.....	Geo. Jutting.....	Buffalo Center.....	Ben Swanson.....	Buffalo Center.....
Lake Mills Creamery Co.....	Lake Mills.....	O. T. Groe.....	Lake Mills.....	Carl Hovland.....	Lake Mills.....
Leland Co-op. Creamery Co.....	Leland.....	E. O. Peterson.....	Forest City.....	Albert Bakken.....	Leland.....
Scarville Creamery Ass'n.....	Scarville.....	J. E. Hermanson.....	Scarville.....	Harvey Anderson.....	Scarville.....
Vinje Co-op. Creamery Ass'n.....	Scarville.....	A. C. Enebreton.....	Scarville.....	H. O. Hovland.....	Scarville.....
Thompson Co-op. Creamery Ass'n.....	Thompson.....	J. G. Field.....	Thompson.....	G. C. Hovland.....	Thompson.....
Forest City Co-op. Creamery Ass'n.....	Forest City.....	J. E. Read.....	Forest City.....	L. Kristensen.....	Forest City.....
Lincoln Co-op. Creamery Co.....	Rake.....	A. A. Sheldon.....	Rake.....	L. B. Cash.....	Rake.....
Winneshiek County—					
Calmar Creamery Co.....	Calmar.....	A. A. Olson.....	Calmar.....	H. A. Fjelstul.....	Calmar.....
Decorah Farmers Ice Cave Cry. Co.....	Decorah.....	H. A. Lubke.....	Decorah.....	N. M. Larson.....	Decorah.....
Pleasant Co-op. Creamery Co.....	Decorah.....	Edward Lund.....	Decorah, R. 7.....	H. E. Haugen.....	Decorah, R. 7.....
Festina Co-op. Creamery Co.....	Festina.....	Wm. J. Tekippe.....	Ft. Atkinson.....	Wm. Schuler.....	Ft. Atkinson.....
Haberman Creamery.....	Ft. Atkinson.....	Geo. Haberman.....	Ft. Atkinson.....	Geo. Haberman.....	Ft. Atkinson.....
Highlandville Creamery Co.....	Highlandville.....	Bidne & Akre.....	Highlandville.....	P. J. Bidne.....	Highlandville.....
Nordness Creamery Co.....	Nordness.....	G. O. Remmen.....	Decorah, R. 2.....	C. H. Kalsrud.....	Decorah, R. 2.....
Lincoln Creamery Co.....	Ridgeway.....	H. L. Wemark.....	Ridgeway.....	J. H. Bokken.....	Ridgeway.....
Silver Spring Creamery.....	Ossian.....	H. P. Nicholson.....	Ossian.....	Ole O. Hauge.....	Ossian.....
A. A. Fosse Creamery.....	Ridgeway.....	O. A. Fosse.....	Ridgeway.....	A. Sauderson.....	Ridgeway.....
Woodbury County—					
Blue Valley Creamery Co.....	Sioux City.....	R. H. Vansant.....	Chicago, Ill.....	A. C. Z. Mortensen.....	Sioux City.....
Sunlight Produce Co.....	Sioux City.....	A. W. Anderson.....	Chicago, Ill.....	M. Romesburg.....	Sioux City.....
Swift & Co.....	Sioux City.....	L. F. Swift.....	Chicago, Ill.....	E. V. Jones.....	Sioux City.....
Hanford Produce Co.....	Sioux City.....	J. W. Schunck.....	Sioux City.....	S. J. Davis.....	Sioux City.....
The Fairmont Creamery Co.....	Sioux City.....	L. E. Hurtz.....	Omaha, Neb.....	J. A. Rathen.....	Sioux City.....
Worth County—					
Fertile Co-op. Dairy Co.....	Fertile.....	Roy Larson.....	Hanlontown.....	H. P. Engen.....	Fertile.....
Farmers Creamery.....	Grafton.....	W. A. Naek.....	Grafton.....	R. Jorgensen.....	Grafton.....
Hanlontown Creamery Co.....	Hanlontown.....	E. A. Gudvangen.....	Hanlontown.....	E. A. Gudvangen.....	Hanlontown.....
Joice Creamery Co.....	Joice.....	J. M. Paulson.....	Joice.....	J. H. Hagen.....	Joice.....
Farmers Creamery.....	Manly.....	G. J. Muelen.....	Manly.....	Ed. Andreasen.....	Manly.....
Hartland Creamery Co.....	Northwood.....	E. E. Breen.....	Northwood, R. 3.....	A. O. Dahlen.....	Northwood, R. 3.....
Farmers Butter & Cheese Ass'n.....	Northwood.....	A. L. Linter.....	Northwood.....	H. C. Stendel.....	Northwood.....
Farmers Co-op. Cry. Ass'n of Tenold.....	Northwood.....	O. K. Storre.....	Kensett.....	Paul Manor.....	Northwood.....
Farmers Creamery Co.....	Kensett.....	Hilmer Gaarder.....	Kensett.....	E. P. Conway.....	Kensett.....
Wright County—					
Farmers Creamery Co.....	Belmond.....	O. D. Jensen.....	Belmond.....	C. H. Jennings.....	Belmond.....
Goldfield Co-op. Creamery Ass'n.....	Goldfield.....	W. C. Donaldson.....	Eagle Grove.....	E. A. Clue.....	Goldfield.....
Eagle Grove Creamery.....	Eagle Grove.....	I. N. Meline.....	Eagle Grove.....	T. W. Meline.....	Eagle Grove.....

CHEESE FACTORY LIST, 1930

Name of Factory	Location	Name of Proprietor	Address of Proprietor	Name of Cheesemaker	Address of Cheesemaker
Allamakee County— Forest Mills Cheese Co.....c Hanover Cheese Co.....c	Postville..... Dorchester.....	Postville State Bank T. J. Fitzgerald, Mgr.	Postville..... Dorchester.....	E. E. Austin..... O. Stemhart.....	Postville..... Dorchester.....
Crawford County— Armour Creameries.....cen	Denison.....	Armour & Co.			
Delaware County— Tom May Cheese Factory.....l	Thorpe.....	Tom May	Manchester.....		
Humboldt County— Pioneer Cheese Factory.....l	Renwick.....	Theodore Mahler	Renwick.....	Theodore Mahler	Renwick
Jones County— Anamosa Cheese Factory.....l	Anamosa.....	Board of Control	Des Moines.....	John Hinz	Anamosa
Linn County— Central City Butter & Cheese Co.....l	Central City.....	Earl George	Central City.....	T. J. Freeman	Central City
Marshall County— C. N. Nielson Creamery.....l	Marshalltown.....	N. C. Nielson	Marshalltown		
Mitchell County— Jamestown Cheese Factory.....l	Riceville.....	John Stettler	Riceville.....	John Stettler	Riceville
Story County— Iowa State College.....l	Ames.....	Prof. Mortensen, Head Dairy Dept.	Ames.....		
Webster County— Ft. Dodge Creamery Co.....cen	Ft. Dodge.....	A. B. Sayles, Mgr.	Ft. Dodge.....	Joe A. Trost	Ft. Dodge
Winnebago County— Frankville Farmers Cheese Co.....l Freeport Cheese Co.....l	Postville, R. D..... Decorah.....	J. E. Kneeskern, Sec. E. J. Hruska	Postville, R. 3..... Decorah.....	Mart Winger C. H. Keepers	Postville Decorah

CONDENSED MILK LIST

Name of Factory	Location	Name of Proprietor	Address of Proprietor
Carnation Milk Products Company.....	Waverly.....	Paul R. McKee, Sec.	720 State St., Chicago, Ill.
Perry Milk Products Company.....	Perry.....	H. Spurgeon, Mgr.	Perry, Iowa

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WEATHER BUREAU AND
BUREAU OF AGRICULTURAL ECONOMICS

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