

AGRICULTURAL FINANCE DATABOOK

Third Quarter 1999

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General Information

The Agricultural Finance Databook is a compilation of various data on current developments in agricultural finance. Large portions of the data come from regular surveys conducted by the Board of Governors of the Federal Reserve System or Federal Reserve Banks. Other portions of the data come from the quarterly call report data of commercial banks or from the reports of other financial institutions involved in agricultural lending. When the current issue went to press, data from the survey of terms of bank lending were available for the third quarter of 1999; the other data generally were available through the second quarter of 1999.

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SOURCES OF DATA:

These data on the farm loans of \$1000 or more made by commercial banks are derived from quarterly sample surveys conducted by the Federal Reserve System during the first full week of the second month of each quarter. Data obtained from the sample are expanded into national estimates for all commercial banks, which are shown in the following tables.

Before August 1989, the farm loan survey was part of a broader survey of the terms of lending by a sample of 348 commercial banks. A subset of 250 banks was asked for information regarding agricultural lending, and about 150 typically reported at least one farm loan.

Since August of 1989, the data have been drawn from a redesigned sample of 250 banks that is no longer part of the broader survey. In the redesigned sample, banks are stratified according to their volume of farm lending; previously, they had been stratified according to the volume of business loans. However, the sample data always have been expanded into national estimates for all commercial banks, and these estimates necessarily exhibit variability due to sampling error. The estimates are sensitive to the occasional appearance of very large loans in the sample. In addition, the breakdown of national estimates into those for large banks and small banks may have been affected somewhat by the new sampling procedures that were implemented in August 1989; apparent shifts in the data as of that date should be treated with caution.

Beginning with the May 1997 survey, data on the assessment by the lender of the risk associated with each loan, the next date that the rate of interest could be adjusted, whether the loan was callable by the bank, and whether the borrower could prepay the loan without penalty began to be collected. Over time, the data on the lender's perception of the riskiness of farm loans should help provide a better picture of the effect of fluctuations in the creditworthiness of farm borrowers as either farm financial conditions or the broader economic environment changes. The new data on loan repricing dates, callability of the loan, and the existence of prepayment penalties should help to refine estimates of the duration of farm loans made by commercial banks.

Tables I.H.1 through 1.H.6 contain most of the new data, while the other tables in section I attempt to show estimates that are comparable to those that have been presented for a number of years. However, for several quarters while the new survey was being designed, banks that left the survey panel were not replaced immediately, because new replacement banks would soon have been forced to revise their newly-instituted reporting procedures when the new survey form went into effect. As a result, the size of the survey panel dwindled through early 1997, and with the May 1997 survey, an unusually-large number of new reporters (about 25) were added. While this does not affect the validity of the May survey information, it likely introduced sampling error, especially when the May survey results are compared with those of previous quarters.

The format and the information contained in the tables are likely to change over time as more of the new survey information is acquired.

More detailed results from each quarterly survey previously were published in Statistical Release E.2A, "Survey of Terms of Bank Lending to Farmers". Beginning in February, 1992, the more detailed results are included at the end of this section of the Databook, and the E.2A has been discontinued. Starting with the August 1986 survey, farm loans secured by real estate are included in the data shown in the table of detailed results, whereas such loans are excluded from the tabulations in Tables I.A through I.G and the summary charts.

Beginning in November 1991, several survey statistics are estimated for each of ten farm production regions as defined by the USDA. These statistics, which are presented in table I.I, should be treated with some caution. Although an effort was made to choose a good regional mix of banks for the panel, the panel never has been stratified by region. Consequently, the survey results are less precise for each region than for the totals for the nation.

RECENT DEVELOPMENTS:

In the August 1999 survey, the estimated number of non-real-estate farm loans made by banks was a touch below the estimated level of one year earlier, continuing the gradual downward trend in the number of loans that has been evident since roughly 1994. The average amount of loans in the survey also was a bit lower than typical seasonal patterns would suggest, leaving the estimated amount of farm non-real-estate loans considerably below the third-quarter reading in 1998. This decline relative to one year earlier is much the same as was evident in the second-quarter survey, and the estimated amount of farm non-real estate loans in the third quarter was the lowest since the survey was redesigned in the late 1980s.

In the August survey, the average maturity of farm non-real-estate loans remained above year-earlier readings, as the bulge in maturities that was noted in the second quarter persisted through the summer. This lengthening of maturities was particularly evident for loans for purposes other than livestock, machinery, or operating expenses. The average effective rate of interest on non-real-estate farm loans rose 20 basis points to 9 percent in the August survey, bringing rates back into line with those reported in the August 1998 survey. The percentage of loans that were made with a rate of interest that floats was about 70 percent in August, largely reversing a trend towards fixed-rate arrangements in the survey data that began around 1995. While the terms of loans that are reported in each survey are fairly volatile, the August readings more or less parallel those from the May survey, suggesting that some substantial shifts in the terms of lending to farmers may be underway.

Consistent with the earlier estimates for maturity of the loans, the weighted average maturity (line 3 of Tables I.H.1 through I.H.6) remained quite high in the August survey, and the weighted average repricing interval (line 4 of the tables) remained fairly high as well. The weighted average risk rating declined for all farm loans except those for more than \$250,000, suggesting that banks lending to farmers may have become more optimistic about repayment prospects in recent months. The percentage of the volume of loans that were to purchase or improve farm real estate (line 23) surged, especially for larger loans, and the proportion of large farm loans that were secured (lines 25 and 26) rose sharply. The proportion of loans that were callable by the bank declined in the August survey.

When broken out by the riskiness of the loan (Tables I.H.4 through I.H.6), more than half of the estimated volume of loans was rated either "moderate" or "low". Loans rated as "acceptable" risk carried the lowest rate of interest among loans that were rated, although the variability of rates across all risk categories (line 7) was very high.

By farm production region, weighted average rates of interest rose roughly 1/2 percentage point in the Northeast and Pacific regions--changes in rates were up or down from 10 to 30 basis points in the other areas.

Chart 1

Results from the Survey of Terms of Bank Lending to Farmers

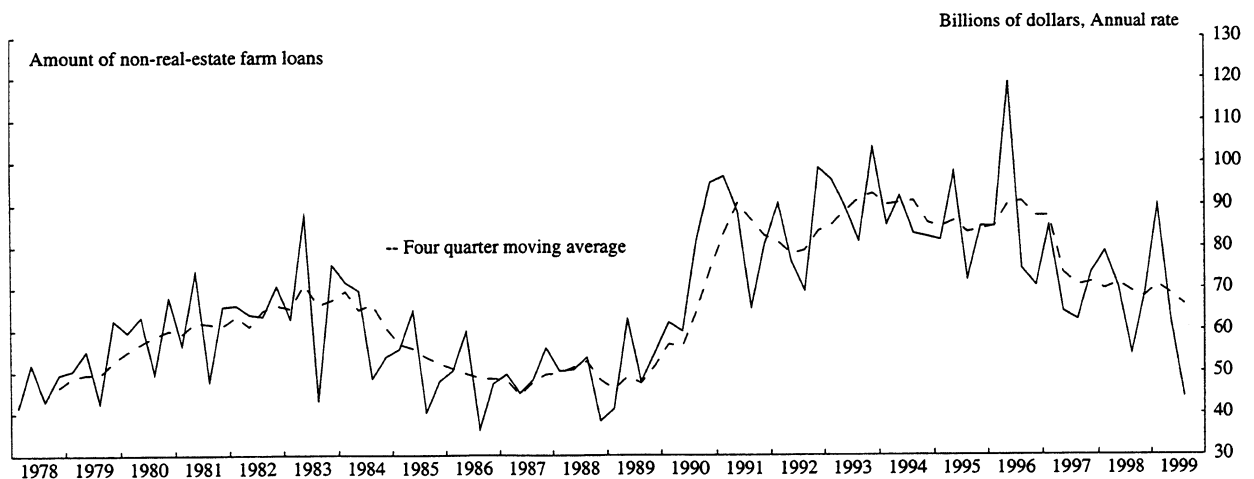
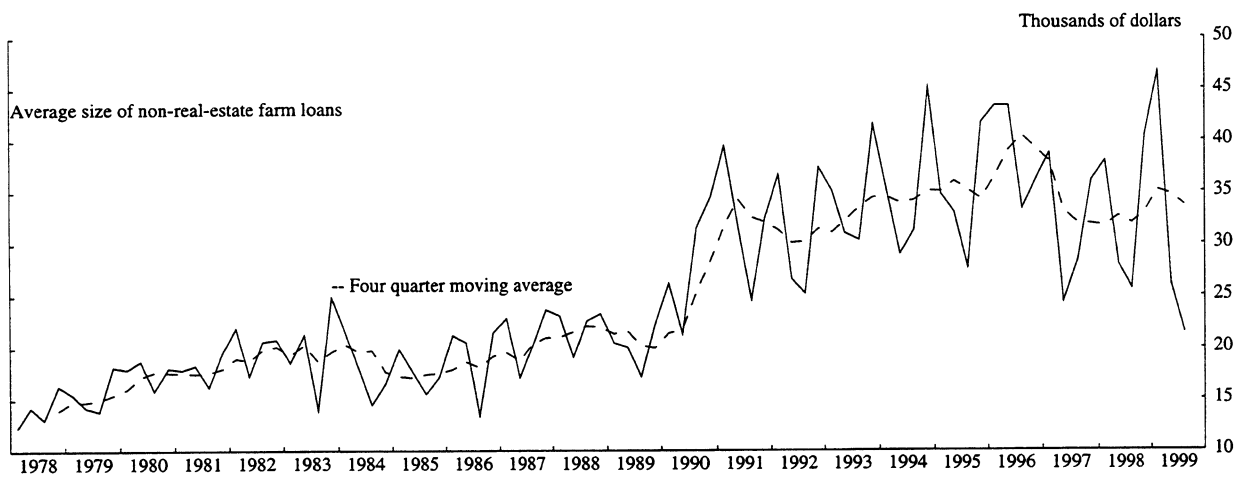
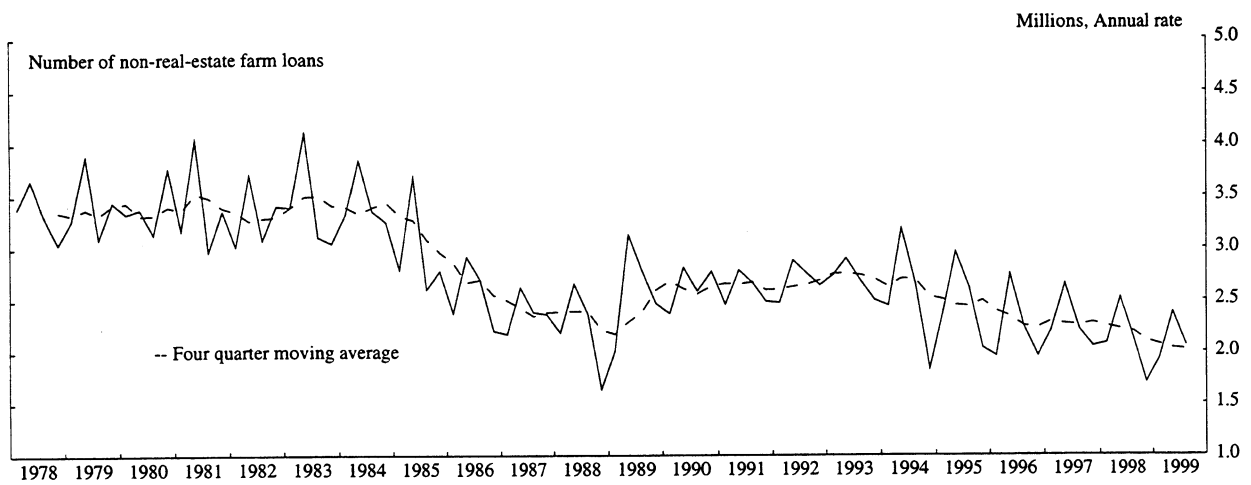
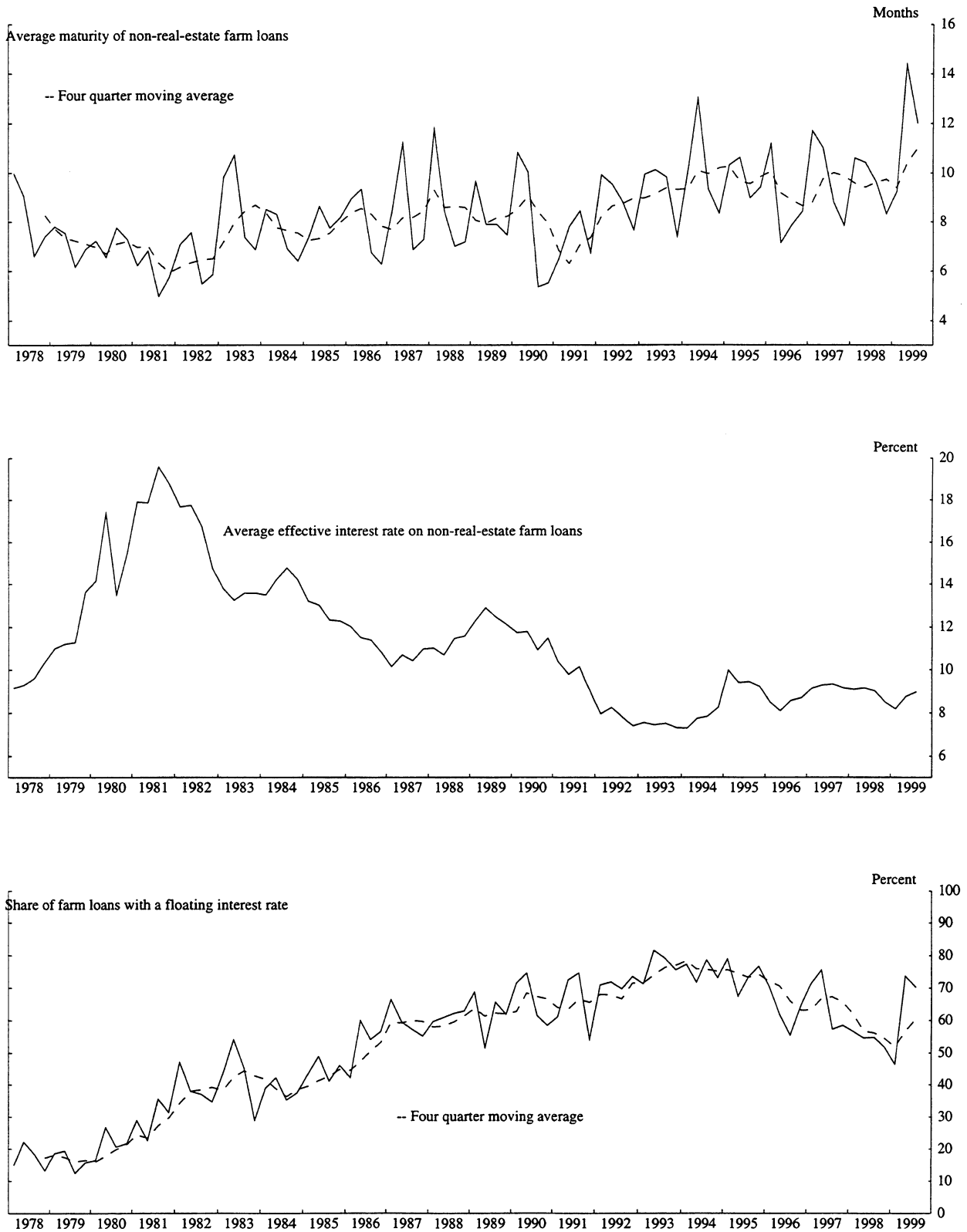


Chart 2

Results from the Survey of Terms of Bank Lending to Farmers



ESTIMATES FROM THE QUARTERLY SAMPLE SURVEY OF BANK NON-REAL-ESTATE LOANS TO FARMERS
TABLE I.A

NUMBER OF LOANS MADE (MILLIONS)

	BY PURPOSE OF LOAN						BY SIZE OF LOAN (\$1,000s)				BY SIZE OF BANK	
	ALL LOANS	FEEDER LIVE-STOCK	OTHER LIVESTOCK	OTHER CURRENT OPERATING EXPENSES	FARM MACHINERY AND EQUIPMENT	OTHER	1	10	25	100	LARGE	OTHER
							to 9	to 24	to 99	and over		
ANNUAL NUMBER OF LOANS MADE												
1987.....	2.38	0.39	0.13	1.54	0.14	0.19	1.57	0.46	0.27	0.08	0.20	2.18
1988.....	2.21	0.29	0.11	1.45	0.14	0.21	1.42	0.43	0.28	0.07	0.23	1.99
1989.....	2.60	0.30	0.20	1.73	0.16	0.20	1.67	0.52	0.31	0.09	0.36	2.23
1990.....	2.63	0.32	0.24	1.69	0.19	0.19	1.70	0.49	0.35	0.09	0.44	2.20
1991.....	2.60	0.35	0.23	1.64	0.17	0.21	1.66	0.51	0.32	0.10	0.50	2.10
1992.....	2.69	0.35	0.25	1.67	0.18	0.24	1.67	0.54	0.37	0.11	0.51	2.18
1993.....	2.70	0.36	0.27	1.62	0.18	0.27	1.65	0.56	0.37	0.12	0.55	2.15
1994.....	2.53	0.28	0.23	1.56	0.18	0.27	1.55	0.51	0.35	0.12	0.54	1.98
1995.....	2.49	0.26	0.19	1.48	0.17	0.39	1.45	0.57	0.36	0.12	0.66	1.83
1996.....	2.22	0.18	0.17	1.38	0.14	0.36	1.33	0.48	0.31	0.11	0.53	1.69
1997.....	2.27	0.19	0.20	1.40	0.15	0.33	1.32	0.50	0.34	0.11	0.46	1.82
1998.....	2.10	0.15	0.18	1.39	0.17	0.22	1.20	0.45	0.33	0.12	0.39	1.71
NUMBER OF LOANS MADE DURING FIRST FULL WEEK OF SECOND MONTH OF QUARTER, ANNUAL RATE												
1997 Q3...	2.21	0.15	0.14	1.53	0.14	0.23	1.34	0.47	0.31	0.09	0.43	1.77
Q4...	2.05	0.23	0.21	1.23	0.15	0.22	1.15	0.45	0.33	0.12	0.38	1.66
1998 Q1...	2.08	0.19	0.20	1.29	0.18	0.22	1.07	0.47	0.38	0.16	0.38	1.70
Q2...	2.51	0.12	0.22	1.72	0.22	0.24	1.44	0.58	0.37	0.12	0.47	2.04
Q3...	2.12	0.10	0.16	1.50	0.15	0.20	1.36	0.41	0.26	0.09	0.38	1.74
Q4...	1.70	0.17	0.14	1.05	0.14	0.20	0.94	0.36	0.30	0.11	0.33	1.37
1999 Q1...	1.93	0.20	0.18	1.17	0.17	0.20	0.96	0.45	0.36	0.15	0.39	1.54
Q2...	2.37	0.12	0.18	1.77	0.17	0.14	1.41	0.51	0.34	0.10	0.45	1.93
Q3...	2.05	0.07	0.13	1.47	0.19	0.19	1.25	0.44	0.29	0.08	0.44	1.61

AVERAGE SIZE OF LOANS MADE (THOUSANDS OF DOLLARS)

ALL LOANS	BY PURPOSE OF LOAN						BY SIZE OF LOAN (\$1,000s)				BY SIZE OF BANK	
	FEEDER LIVE- STOCK	OTHER LIVESTOCK	OTHER CURRENT OPERATING EXPENSES	FARM MACHINERY AND EQUIPMENT	OTHER		1 to 9	10 to 24	25 to 99	100 and over	LARGE	OTHER

ANNUAL AVERAGE SIZE OF LOANS MADE

1987.....	20.8	33.8	26.3	14.6	16.1	44.6	3.6	14.7	46.5	320.4	85.5	14.9
1988.....	21.8	34.1	40.6	16.7	13.9	34.7	3.7	14.8	45.2	320.4	70.0	16.3
1989.....	19.9	42.7	29.5	14.1	12.1	32.2	3.6	14.7	45.9	272.1	53.7	14.4
1990.....	28.4	69.7	22.7	15.7	11.9	94.3	3.6	14.8	46.1	487.7	100.7	13.9
1991.....	31.9	61.0	25.2	15.6	15.1	129.3	3.6	14.9	46.6	539.9	107.0	13.9
1992.....	31.2	68.2	26.9	14.7	15.9	108.7	3.7	14.8	45.9	468.2	97.0	15.8
1993.....	34.3	79.7	23.1	15.2	13.9	112.0	3.7	14.9	46.1	490.3	106.0	15.8
1994.....	33.9	60.3	27.6	16.3	17.5	123.6	3.7	14.6	47.0	480.7	101.3	15.4
1995.....	33.8	49.7	26.7	18.5	15.6	93.6	3.7	14.7	44.9	451.3	84.0	15.7
1996.....	39.2	59.0	24.2	26.0	17.2	95.2	3.7	15.0	45.2	545.9	115.0	15.4
1997.....	31.4	42.3	26.0	16.8	17.8	97.2	3.8	14.9	45.8	385.3	92.0	16.3
1998.....	32.4	41.5	24.3	18.2	28.1	127.9	3.7	14.8	45.4	357.0	95.0	18.1

AVERAGE SIZE OF LOANS MADE DURING FIRST FULL WEEK OF SECOND MONTH OF QUARTER, ANNUAL RATE

1997 Q3...	28.3	51.9	23.0	15.5	17.0	106.6	3.7	14.4	45.1	419.3	91.7	12.9
Q4...	36.1	39.5	29.6	16.1	17.8	160.5	3.9	15.4	44.2	398.5	120.5	16.5
1998 Q1...	37.9	37.7	29.6	23.3	39.6	130.7	3.8	15.1	45.8	320.2	100.3	24.2
Q2...	28.0	43.4	21.0	17.2	24.5	107.4	3.7	14.4	46.6	335.7	80.3	16.0
Q3...	25.6	30.4	17.9	14.4	20.9	115.8	3.5	14.6	44.0	366.8	85.7	12.5
Q4...	40.4	50.7	29.3	18.9	26.9	161.7	3.9	15.3	44.6	424.7	120.7	21.0
1999 Q1...	46.6	32.7	26.9	25.6	21.9	219.2	3.7	15.5	47.9	412.6	137.6	23.4
Q2...	26.1	30.2	21.2	20.5	52.4	66.3	3.8	14.5	46.4	314.6	63.4	17.4
Q3...	21.4	30.1	25.1	17.0	26.6	44.0	3.7	14.6	45.9	261.3	47.5	14.3

ESTIMATES FROM THE QUARTERLY SAMPLE SURVEY OF BANK NON-REAL-ESTATE LOANS TO FARMERS
TABLE I.C

AMOUNT OF LOANS MADE (BILLIONS OF DOLLARS)

	BY PURPOSE OF LOAN						BY SIZE OF LOAN (\$1,000s)				BY SIZE OF BANK	
	ALL LOANS	FEEDER LIVE-STOCK	OTHER LIVESTOCK	OTHER	FARM	OTHER	1 to 9	10 to 24	25 to 99	100 and over	LARGE	OTHER
				CURRENT OPERATING EXPENSES	MACHINERY AND EQUIPMENT							
ANNUAL AMOUNT OF LOANS MADE												
1987.....	49.6	13.2	3.4	22.5	2.3	8.3	5.7	6.8	12.6	24.5	17.1	32.5
1988.....	48.2	10.0	4.6	24.3	1.9	7.4	5.2	6.4	12.9	23.7	15.9	32.3
1989.....	51.6	12.9	6.0	24.3	2.0	6.4	6.1	7.7	14.4	23.4	19.6	32.0
1990.....	74.7	22.0	5.5	26.6	2.3	18.3	6.1	7.3	15.9	45.3	44.2	30.5
1991.....	82.8	21.4	5.8	25.5	2.5	27.6	6.1	7.6	15.1	54.0	53.7	29.1
1992.....	83.7	23.6	6.7	24.6	2.9	26.0	6.2	8.0	16.8	52.8	49.4	34.3
1993.....	92.6	28.7	6.2	24.7	2.5	30.6	6.1	8.3	17.1	61.0	58.8	33.8
1994.....	85.7	16.8	6.4	25.4	3.2	33.9	5.8	7.4	16.5	56.0	55.1	30.6
1995.....	84.1	12.7	5.2	27.3	2.7	36.1	5.4	8.3	16.0	54.4	55.3	28.8
1996.....	87.3	10.6	4.0	35.9	2.4	34.5	5.0	7.1	13.9	61.3	61.2	26.1
1997.....	71.4	8.0	5.3	23.6	2.7	31.9	5.0	7.4	15.8	43.3	41.9	29.6
1998.....	68.0	6.1	4.4	25.2	4.9	27.5	4.5	6.7	14.9	41.9	37.0	31.1

AMOUNT OF LOANS MADE DURING FIRST FULL WEEK OF SECOND MONTH OF QUARTER, ANNUAL RATE

1997 Q3...	62.49	8.0	3.3	23.8	2.4	24.9	5.0	6.8	13.9	36.8	39.6	22.9
Q4...	73.83	9.2	6.3	19.7	2.7	36.0	4.4	7.0	14.5	47.9	46.4	27.5
1998 Q1...	78.80	7.1	5.9	30.0	7.1	28.6	4.1	7.0	17.6	50.1	37.7	41.2
Q2...	70.30	5.3	4.6	29.5	5.4	25.6	5.4	8.4	17.4	39.2	37.7	32.6
Q3...	54.29	3.1	2.9	21.6	3.2	23.5	4.8	6.0	11.5	32.0	32.5	21.8
Q4...	68.73	8.8	4.1	19.7	3.8	32.3	3.6	5.5	13.2	46.4	40.0	28.7
1999 Q1...	89.86	6.7	4.8	30.1	3.7	44.6	3.6	7.0	17.4	61.9	53.9	36.0
Q2...	61.85	3.5	3.8	36.4	8.7	9.5	5.4	7.4	16.0	33.0	28.3	33.5
Q3...	43.91	2.2	3.2	25.0	5.1	8.4	4.6	6.4	13.2	19.7	20.8	23.1

ESTIMATES FROM THE QUARTERLY SAMPLE SURVEY OF BANK NON-REAL-ESTATE LOANS TO FARMERS
TABLE I.D

AVERAGE MATURITY OF LOANS MADE (MONTHS)

	BY PURPOSE OF LOAN						BY SIZE OF LOAN (\$1,000s)				BY SIZE OF BANK	
	ALL LOANS	FEEDER LIVE-STOCK	OTHER LIVESTOCK	OTHER	FARM	OTHER	1 to 9	10 to 24	25 to 99	100 and over	LARGE	OTHER
				CURRENT OPERATING EXPENSES	MACHINERY AND EQUIPMENT							
ANNUAL AVERAGE MATURITY												
1987.....	8.4	5.5	7.7	7.6	22.8	12.1	7.5	8.1	9.3	8.3	5.9	9.3
1988.....	8.7	6.4	4.7	8.5	19.8	10.9	7.1	9.2	10.2	7.7	8.1	8.8
1989.....	8.1	6.8	7.4	7.2	18.7	11.8	7.4	8.3	9.3	7.1	7.8	8.2
1990.....	7.5	6.0	8.8	7.5	21.9	6.4	7.4	9.2	11.9	4.9	4.7	10.2
1991.....	7.3	6.7	8.5	7.2	24.6	5.3	7.7	8.3	10.6	5.8	5.2	9.6
1992.....	8.9	6.1	9.5	8.6	20.1	9.4	8.3	9.7	11.1	7.2	6.4	10.1
1993.....	9.2	7.3	9.6	8.3	30.4	9.4	8.5	10.0	11.1	7.4	6.4	10.4
1994.....	10.3	7.6	9.8	8.6	36.6	9.4	8.6	11.6	13.5	7.2	5.8	12.6
1995.....	9.9	8.7	9.9	8.5	26.5	10.0	9.0	10.8	12.1	8.2	7.3	11.4
1996.....	8.5	7.8	11.3	7.6	29.4	9.2	8.6	10.5	12.1	7.3	6.4	12.3
1997.....	9.9	9.1	11.0	10.7	30.6	7.4	8.8	11.6	12.4	8.8	7.6	12.8
1998.....	9.8	8.0	10.3	9.9	27.5	6.8	8.8	11.3	12.5	8.7	6.8	13.2

MATURITY OF LOANS MADE DURING FIRST FULL WEEK OF SECOND MONTH OF QUARTER, ANNUAL RATE

1997 Q3...	8.8	5.3	9.4	9.5	23.2	7.8	8.4	10.7	10.9	7.8	7.6	10.8
Q4...	7.9	7.4	11.1	6.7	31.8	6.3	7.5	11.0	10.6	6.6	6.8	9.6
1998 Q1...	10.6	8.1	12.1	9.9	23.9	8.2	9.1	13.1	13.2	9.5	7.4	13.4
Q2...	10.4	7.8	7.5	10.4	33.1	6.6	9.8	11.3	13.8	8.8	6.8	14.5
Q3...	9.6	7.2	13.1	9.9	21.7	7.6	8.3	11.5	11.0	9.0	7.2	13.2
Q4...	8.3	8.3	8.6	8.9	31.5	5.2	7.6	8.9	11.4	7.5	5.9	11.7
1999 Q1...	9.2	8.3	12.8	11.2	28.0	6.1	10.1	11.9	10.9	8.4	7.0	12.6
Q2...	14.4	8.8	12.0	14.2	13.9	18.8	9.9	11.3	14.7	15.7	9.9	18.0
Q3...	12.0	6.9	7.3	9.3	22.3	17.1	9.4	10.4	11.1	13.8	12.3	11.8

ESTIMATES FROM THE QUARTERLY SAMPLE SURVEY OF BANK NON-REAL-ESTATE LOANS TO FARMERS

TABLE I.E

AVERAGE EFFECTIVE INTEREST RATE ON LOANS MADE

	BY PURPOSE OF LOAN						BY SIZE OF LOAN (\$1,000s)				BY SIZE OF BANK	
	ALL LOANS	FEEDER LIVE-STOCK	OTHER LIVESTOCK	OTHER	FARM	OTHER	1 to 9	10 to 24	25 to 99	100 and over	LARGE	OTHER
				CURRENT OPERATING EXPENSES	MACHINERY AND EQUIPMENT							
ANNUAL AVERAGE INTEREST RATE												
1987.....	10.6	10.7	10.2	10.8	11.5	9.5	11.6	11.3	11.1	9.9	9.2	11.3
1988.....	11.2	10.9	11.9	11.2	11.7	10.7	11.7	11.6	11.4	10.8	10.2	11.6
1989.....	12.5	12.3	12.4	12.6	12.8	12.3	12.8	12.7	12.7	12.2	12.1	12.7
1990.....	11.4	11.5	12.0	11.7	12.3	10.7	12.5	12.4	12.1	10.9	10.9	12.3
1991.....	9.8	10.2	11.0	10.4	11.3	8.6	11.5	11.2	10.7	9.2	9.0	11.3
1992.....	7.8	8.2	8.6	8.8	9.3	6.3	9.7	9.3	8.8	7.1	6.8	9.4
1993.....	7.5	8.0	8.1	8.1	8.7	6.2	9.0	8.7	8.3	6.9	6.7	8.7
1994.....	7.8	8.3	8.0	8.4	8.6	7.0	9.1	8.8	8.6	7.3	7.2	8.8
1995.....	9.5	10.1	10.2	10.0	10.3	8.8	10.6	10.5	10.3	9.0	9.0	10.4
1996.....	8.4	8.8	9.5	8.6	9.7	8.0	10.2	10.1	9.8	7.8	7.8	10.0
1997.....	9.2	9.6	9.8	9.9	9.8	8.5	10.2	10.0	9.9	8.8	8.7	10.0
1998.....	9.0	9.4	9.7	9.6	9.3	8.0	10.1	9.9	9.7	8.4	8.3	9.8

AVERAGE RATE ON LOANS MADE DURING FIRST FULL WEEK OF SECOND MONTH OF QUARTER, ANNUAL RATE

1997 Q3...	9.4	9.7	10.0	10.0	9.8	8.5	10.2	10.1	10.0	8.9	8.9	10.1
Q4...	9.2	9.7	9.6	9.9	9.9	8.5	10.2	10.0	9.8	8.7	8.6	10.1
1998 Q1...	9.1	9.6	9.9	9.8	9.3	8.0	10.2	10.0	9.8	8.6	8.2	9.9
Q2...	9.2	9.6	9.9	9.7	9.5	8.3	10.1	9.9	9.8	8.6	8.5	9.9
Q3...	9.0	9.7	9.7	9.6	9.7	8.3	10.1	10.1	9.7	8.4	8.5	9.9
Q4...	8.5	9.1	9.0	9.3	9.0	7.7	9.9	9.7	9.3	8.1	7.9	9.4
1999 Q1...	8.2	9.1	9.1	9.2	9.2	7.2	9.7	9.4	9.2	7.7	7.4	9.4
Q2...	8.8	9.0	9.1	9.1	8.2	7.9	9.5	9.4	9.2	8.3	8.1	9.3
Q3...	9.0	9.0	9.1	9.2	9.0	8.5	9.7	9.6	9.4	8.4	8.4	9.6

PERCENTAGE OF LOANS MADE WITH A FLOATING INTEREST RATE

	BY PURPOSE OF LOAN						BY SIZE OF LOAN (\$1,000s)				BY SIZE OF BANK	
	ALL LOANS	FEEDER LIVE-STOCK	OTHER LIVESTOCK	OTHER	FARM	OTHER	1 to 9	10 to 24	25 to 99	100 and over	LARGE	OTHER
				CURRENT OPERATING EXPENSES	MACHINERY AND EQUIPMENT							
ANNUAL PERCENTAGE OF LOANS MADE												
1987.....	59.5	51.6	69.6	62.1	55.5	62.1	48.5	45.6	54.4	68.5	77.6	49.9
1988.....	61.4	65.3	39.5	63.8	54.9	63.2	49.3	51.5	60.8	67.0	79.1	52.6
1989.....	61.0	71.4	40.0	59.7	32.9	73.6	50.4	49.6	58.5	69.1	83.6	47.2
1990.....	65.2	76.8	61.6	68.3	40.0	51.2	53.6	59.2	66.0	67.5	69.4	59.3
1991.....	65.1	81.5	69.3	68.8	40.6	50.3	52.0	59.0	64.0	67.8	70.0	56.1
1992.....	71.7	78.5	63.5	66.3	47.8	75.3	57.3	59.1	61.2	78.6	82.9	55.5
1993.....	76.7	84.6	70.0	70.3	48.2	78.1	60.1	61.0	64.5	83.9	86.9	58.9
1994.....	75.1	82.9	74.3	72.3	51.6	75.7	58.6	59.8	70.4	80.2	83.7	59.7
1995.....	73.8	83.9	75.9	73.0	53.1	72.2	61.7	63.9	73.6	76.7	79.9	62.3
1996.....	63.1	58.1	71.2	67.3	32.9	61.4	60.6	61.5	69.1	62.2	65.4	57.9
1997.....	65.8	66.4	73.2	67.8	49.9	64.3	60.1	58.0	68.0	67.0	71.4	57.9
1998.....	54.4	55.0	59.4	68.5	46.7	42.0	57.6	54.8	62.7	51.1	57.1	51.3
AVERAGE PERCENTAGE DURING FIRST FULL WEEK OF SECOND MONTH OF QUARTER												
1997 Q3...	57.2	72.2	69.9	69.7	46.9	39.8	59.2	62.3	62.4	54.0	60.3	51.9
Q4...	58.5	55.4	78.0	73.4	54.5	48.0	61.6	57.7	72.2	54.2	57.2	60.6
1998 Q1...	56.6	59.4	56.6	70.2	58.1	41.2	60.5	56.7	67.0	52.6	53.9	59.1
Q2...	54.6	76.2	60.1	68.1	48.2	34.9	58.0	50.5	61.9	51.7	57.6	51.1
Q3...	54.7	51.6	54.2	67.1	28.3	47.4	55.7	57.7	59.3	52.4	61.9	44.1
Q4...	51.6	39.9	66.2	68.0	38.9	44.4	56.4	55.9	60.8	48.1	55.8	45.7
1999 Q1...	46.4	50.2	65.2	63.6	33.9	33.2	47.0	50.4	55.0	43.5	43.4	50.8
Q2...	73.7	66.6	72.5	72.6	75.5	79.2	57.6	58.8	66.2	83.3	91.5	58.6
Q3...	70.2	44.6	69.1	71.5	48.8	86.3	50.2	51.4	62.3	86.4	94.3	48.6

Table I.G

PERCENTAGE DISTRIBUTION OF NON-REAL-ESTATE FARM LOANS MADE BY BANKS.¹
BY EFFECTIVE INTEREST RATE

Effective interest rate (percent)	August											Memo: Percentage Distribution of Number of Loans,	
	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	May 99	Aug 99
All Loans	100	100	100	100	100	100	100	100	100	100	100	100	100
Under 5 percent	—	—	—	—	—	4	—	—	—	*	*	—	*
5.0 to 5.9	—	—	1	11	4	4	—	*	*	*	2	*	*
6.0 to 6.9	—	—	11	13	14	23	5	15	5	8	4	1	1
7.0 to 7.9	—	—	30	18	22	21	15	18	3	10	10	8	7
8.0 to 8.9	—	—	17	23	18	22	8	25	33	30	35	34	30
9.0 to 9.9	—	1	9	17	16	20	30	22	33	29	32	38	39
10.0 to 10.9	5	8	22	10	20	4	30	15	17	16	12	15	17
11.0 to 11.9	8	33	8	7	5	2	10	4	8	6	4	3	5
12.0 to 12.9	39	39	2	1	1	*	1	1	2	*	1	*	1
13.0 to 13.9	34	14	—	—	—	*	1	*	*	*	*	*	*
14.0 to 14.9	8	5	—	—	—	*	—	*	*	—	*	*	*
15.0 to 15.9	4	—	—	—	—	—	—	*	—	—	—	*	—
16.0 to 16.9	1	—	—	—	—	—	—	—	—	*	—	*	—
17.0 to 17.9	—	—	—	—	—	—	—	—	—	—	—	*	—
18.0 to 18.9	—	—	—	—	—	—	—	—	—	—	—	—	—
19.0 to 19.9	—	—	—	—	—	—	—	—	—	—	—	—	—
20.0 to 20.9	—	—	—	—	—	—	—	—	—	—	—	—	—
21.0 to 21.9	—	—	—	—	—	—	—	—	—	—	—	—	—
22.0 to 22.9	—	—	—	—	—	—	—	—	—	—	—	—	—
23.0 to 23.9	—	—	—	—	—	—	—	—	—	—	—	—	—
24.0 to 24.9	—	—	—	—	—	—	—	—	—	—	—	—	—
25.0 and over	—	—	—	—	—	—	—	—	—	—	—	—	—

1. Percentage distribution of the estimated total dollar amount of non-real-estate farm loans of \$1,000 or more made by insured commercial banks during the week covered by the survey, which is the first full business week of the month specified.

Data are estimates from the Federal Reserve survey of terms of bank lending to farmers. Percentages may not add to 100 percent because of rounding.

* indicates less than .5 percent.

TABLE I.H.1
 SURVEY OF TERMS OF BANK LENDING MADE DURING AUGUST 2-6, 1999
 Loans to farmers

	Size class of loans (thousands)						
	all sizes	\$1-9	\$10-24	\$25-49	\$50-99	\$100-249	\$250 and over
ALL BANKS							
1 Amount of loans (thousands)	1,062,278	94,448	131,284	125,223	159,944	198,508	352,871
2 Number of loans	42,323	25,301	8,999	3,709	2,442	1,371	501
3 Weighted average maturity (months) ¹	22.07	9.82	11.24	14.38	19.61	22.28	33.27
4 Weighted average repricing interval (months) ²	6.86	5.98	6.44	8.63	14.80	9.11	1.69
5 Weighted average risk rating ³	3.07	2.69	2.74	2.93	2.91	3.02	3.43
6 Weighted average interest rate (percent) ⁴	8.94	9.71	9.56	9.32	9.34	9.00	8.17
7 Standard error ⁵	0.12	0.07	0.08	0.11	0.07	0.12	0.40
8 Interquartile Range ⁶							
a.75th Percentile	9.74	10.24	10.17	9.96	9.96	9.38	8.84
b.25th Percentile	8.24	9.15	8.98	8.60	8.60	8.30	7.66
By purpose of loan							
9 Feeder livestock	8.94	9.89	9.36	9.28	8.57	8.35	8.80
10 Other livestock	9.22	10.32	10.03	9.32	9.17	9.20	7.69
11 Other current operating expenses	9.13	9.63	9.54	9.46	9.60	9.22	8.05
12 Farm machinery and equipment	8.96	10.17	9.60	9.46	9.13	8.88	8.10
13 Farm real estate	8.71	9.61	8.85	8.63	8.94	8.42	8.71
14 Other	8.44	9.27	9.43	8.84	8.82	8.76	7.73
Percentage of the amount of loans							
15 With floating rates	71.50	48.76	52.41	62.91	55.50	74.73	93.16
16 Made under commitment	71.51	66.02	61.15	58.95	60.85	73.52	84.98
17 Callable	17.49	30.04	25.52	30.89	17.87	14.19	8.07
18 Subject to prepayment penalty	2.68	0.47	0.31	1.43	2.92	10.67	-
By purpose of the loan							
19 Feeder livestock	4.19	2.80	4.66	7.10	3.65	3.25	4.11
20 Other livestock	6.36	5.69	7.17	7.29	4.63	13.71	2.56
21 Other current operating expenses	50.97	73.02	63.90	55.32	60.98	43.77	38.23
22 Farm machinery and equipment	9.87	10.62	11.01	12.01	8.64	8.08	10.04
23 Farm real estate	11.06	1.08	0.74	4.07	7.17	6.81	24.20
24 Other	17.55	6.79	12.52	14.20	14.93	24.37	20.85
By type of collateral							
25 Farm real estate	20.78	6.29	5.90	9.62	12.68	22.84	36.68
26 Other	70.75	86.16	88.17	82.95	83.52	72.04	49.32

Footnotes are at the end of table I.H

TABLE I.H.2
 SURVEY OF TERMS OF BANK LENDING MADE DURING AUGUST 2-6, 1999
 Loans to farmers

	Size class of loans (thousands)						
	all sizes	\$1-9	\$10-24	\$25-49	\$50-99	\$100-249	\$250 and over
LARGE FARM LENDERS ⁷							
1 Amount of loans (thousands)	694,031	31,950	55,211	66,744	76,176	129,054	334,897
2 Number of loans	16,537	8,328	3,748	1,979	1,158	881	443
3 Weighted average maturity (months) ¹	21.89	9.39	9.11	10.17	8.54	18.53	31.84
4 Weighted average repricing interval (months) ²	2.93	3.35	2.73	3.38	2.16	6.35	1.66
5 Weighted average risk rating ³	3.33	3.09	3.14	3.22	3.32	3.25	3.43
6 Weighted average interest rate (percent) ⁴	8.60	9.50	9.39	9.15	9.05	8.71	8.13
7 Standard error ⁵	0.13	0.09	0.18	0.12	0.18	0.13	0.40
8 Interquartile Range ⁶							
a.75th Percentile	9.21	10.14	9.96	9.69	9.65	9.13	8.84
b.25th Percentile	8.06	8.91	8.77	8.57	8.30	8.06	7.50
By purpose of loan							
9 Feeder livestock	8.78	9.51	9.40	9.14	8.10	8.35	8.80
10 Other livestock	8.25	9.10	9.13	8.89	8.38	8.08	7.69
11 Other current operating expenses	8.82	9.61	9.53	9.37	9.25	9.00	8.04
12 Farm machinery and equipment	8.44	9.39	9.31	9.19	8.35	8.92	8.10
13 Farm real estate	8.57	8.82	9.41	8.82	9.67	8.16	8.58
14 Other	8.23	9.02	8.93	8.68	8.86	8.53	7.73
Percentage of the amount of loans							
15 With floating rates	85.67	71.23	77.24	76.82	81.86	81.18	92.79
16 Made under commitment	85.67	87.40	79.68	77.35	80.33	85.23	89.54
17 Callable	16.63	32.52	32.13	29.81	21.56	17.43	8.51
18 Subject to prepayment penalty	3.29	0.44	0.73	1.64	27.80	-	-
By purpose of the loan							
19 Feeder livestock	4.96	2.92	4.84	9.82	4.37	5.00	4.33
20 Other livestock	4.87	3.97	2.96	9.44	4.69	9.29	2.69
21 Other current operating expenses	47.56	76.73	64.80	54.55	61.71	47.66	37.28
22 Farm machinery and equipment	8.07	3.37	9.38	4.47	2.71	7.20	10.58
23 Farm real estate	13.02	0.91	0.97	2.31	2.64	6.58	23.14
24 Other	17.55	6.79	12.52	14.20	14.93	24.37	20.85
By type of collateral							
25 Farm real estate	22.51	7.27	7.56	10.07	7.42	20.05	33.28
26 Other	67.21	84.89	85.02	82.99	86.12	75.46	51.97

Footnotes are at the end of table I.H

TABLE I.H.3
 SURVEY OF TERMS OF BANK LENDING MADE DURING AUGUST 2-6, 1999
 Loans to farmers

	Size class of loans (thousands)						
	all sizes	\$1-9	\$10-24	\$25-49	\$50-99	\$100-249	\$250 and over
OTHER BANKS ⁷							
1 Amount of loans (thousands)	368,247	62,498	76,074	58,479	83,768	69,454	17,974
2 Number of loans	25,786	16,974	5,251	1,730	1,284	489	58
3 Weighted average maturity (months) ¹	22.40	10.03	12.73	19.09	29.26	29.09	59.26
4 Weighted average repricing interval (months) ²	14.11	7.31	9.08	14.54	25.93	14.22	2.14
5 Weighted average risk rating ³	2.47	2.46	2.42	2.52	2.46	2.51	-
6 Weighted average interest rate (percent) ⁴	9.60	9.82	9.68	9.51	9.60	9.53	9.02
7 Standard error ⁵	0.14	0.12	0.07	0.18	0.09	0.39	0.88
8 Interquartile Range ⁶							
a.75th Percentile	10.14	10.25	10.24	10.25	9.96	10.06	10.00
b.25th Percentile	8.97	9.23	9.14	8.75	9.07	8.87	8.24
By purpose of loan							
9 Feeder livestock	9.51	10.10	9.32	9.69	9.19	-	-
10 Other livestock	10.19	10.70	10.23	10.28	9.91	10.09	-
11 Other current operating expenses	9.62	9.64	9.55	9.57	9.92	9.76	8.24
12 Farm machinery and equipment	9.55	10.27	9.77	9.52	9.27	8.83	-
13 Farm real estate	9.15	9.92	8.16	8.55	8.79	8.87	10.00
14 Other	9.32	9.65	10.11	9.26	8.69	9.18	-
Percentage of the amount of loans							
15 With floating rates	44.79	37.27	34.39	47.03	31.53	62.77	100.00
16 Made under commitment	44.81	55.09	47.70	37.96	43.14	51.77	-
17 Callable	19.11	28.77	20.72	32.12	14.52	8.16	-
18 Subject to prepayment penalty	1.54	0.49	0.92	8.00	-	-	-
By purpose of the loan							
19 Feeder livestock	2.72	2.74	4.53	3.99	3.00	-	-
20 Other livestock	9.18	6.58	10.23	4.84	4.58	21.93	-
21 Other current operating expenses	57.40	71.12	63.25	56.21	60.31	36.55	55.93
22 Farm machinery and equipment	13.25	14.32	12.19	20.62	14.02	9.72	-
23 Farm real estate	7.37	1.17	0.57	6.08	11.29	7.24	44.07
24 Other	17.55	6.79	12.52	14.20	14.93	24.37	20.85
By type of collateral							
25 Farm real estate	17.53	5.79	4.69	9.10	17.45	28.01	100.00
26 Other	77.43	86.81	90.45	82.90	81.15	65.67	-

Footnotes are at the end of table I.H

TABLE I.H.4
 SURVEY OF TERMS OF BANK LENDING MADE DURING AUGUST 2-6, 1999
 Loans to farmers

	Risk Rating							
	All	Minimal	Low	Moderate	Acceptable	Special	Not Rated	Not Reported
ALL BANKS								
1 Amount of loans (thousands)	1,062,278	63,965	169,203	372,576	259,908	52,095	43,907	100,624
2 Number of loans	42,323	4,169	9,555	15,269	4,989	1,574	721	6,044
3 Weighted average maturity (months) ¹	22.07	14.07	24.29	17.26	32.39	6.45	31.00	20.02
4 Weighted average repricing interval (months) ²	6.86	5.55	13.84	7.45	2.83	0.43	8.28	6.81
5 Weighted average risk rating ³	3.07	1.00	2.00	3.00	4.00	5.00	-	-
6 Weighted average interest rate (percent) ⁴	8.94	8.75	9.04	8.99	8.58	9.70	8.08	9.65
7 Standard error ⁵	0.12	0.28	0.16	0.12	0.23	0.21	0.58	0.11
8 Interquartile Range ⁶								
a.75th Percentile	9.74	9.33	9.75	9.92	9.11	10.58	8.83	10.10
b.25th Percentile	8.24	8.00	8.57	8.11	8.16	8.84	6.30	9.11
By purpose of loan								
9 Feeder livestock	8.94	9.14	8.91	8.80	8.80	8.69	9.38	9.87
10 Other livestock	9.22	8.80	9.15	9.41	8.90	8.87	7.50	10.03
11 Other current operating expenses	9.13	8.78	9.26	9.24	8.82	9.82	7.81	9.45
12 Farm machinery and equipment	8.96	8.60	8.84	9.08	8.29	8.91	9.07	10.22
13 Farm real estate	8.71	7.80	8.95	8.41	8.66	11.19	9.00	9.54
14 Other	8.44	8.57	8.57	8.48	8.00	9.42	8.22	9.52
Percentage of the amount of loans								
15 With floating rates	71.50	60.67	42.82	73.72	91.80	97.46	78.19	49.59
16 Made under commitment	71.51	69.66	64.61	72.41	89.70	86.25	58.83	31.83
17 Callable	17.49	30.14	12.23	21.22	8.44	15.32	6.57	33.73
18 Subject to prepayment penalty	2.68	8.48	0.34	5.18	0.03	6.02	-	-
By purpose of the loan								
19 Feeder livestock	4.19	6.71	12.84	3.30	0.57	3.64	0.79	2.41
20 Other livestock	6.36	23.15	5.46	3.53	6.72	1.03	0.08	12.27
21 Other current operating expenses	50.97	53.94	48.75	55.17	37.36	79.60	61.91	52.86
22 Farm machinery and equipment	9.87	1.46	13.93	9.02	10.57	3.21	9.90	13.11
23 Farm real estate	11.06	3.91	6.31	5.55	27.63	0.37	2.37	10.50
24 Other	17.55	10.83	12.71	23.43	17.15	12.15	24.95	8.84
By type of collateral								
25 Farm real estate	20.78	4.65	10.97	17.51	37.60	7.85	33.41	17.40
26 Other	70.75	81.31	81.32	75.42	53.68	87.09	38.18	78.88

Footnotes are at the end of table I.H

TABLE I.H.5
 SURVEY OF TERMS OF BANK LENDING MADE DURING AUGUST 2-6, 1999
 Loans to farmers

	Risk Rating							
	All	Minimal	Low	Moderate	Acceptable	Special	Not Rated	Not Reported
LARGE FARM LENDERS ⁷								
1 Amount of loans (thousands)	694,031	21,833	79,901	260,593	232,997	50,759	24,371	23,576
2 Number of loans	16,537	678	2,420	7,293	3,109	1,352	325	1,360
3 Weighted average maturity (months) ¹	21.89	22.55	13.87	16.04	34.54	6.44	48.44	6.56
4 Weighted average repricing interval (months) ²	2.93	3.20	3.96	3.90	2.02	0.36	4.87	1.60
5 Weighted average risk rating ³	3.33	1.00	2.00	3.00	4.00	5.00	-	-
6 Weighted average interest rate (percent) ⁴	8.60	7.82	8.72	8.67	8.36	9.71	7.30	9.45
7 Standard error ⁵	0.13	0.33	0.04	0.16	0.17	0.19	0.57	0.14
8 Interquartile Range ⁶								
a.75th Percentile	9.21	8.81	9.14	9.38	9.11	10.58	8.53	9.96
b.25th Percentile	8.06	6.81	8.21	8.03	8.16	8.84	6.23	9.09
By purpose of loan								
9 Feeder livestock	8.78	8.86	8.81	8.69	8.75	8.56	9.38	9.54
10 Other livestock	8.25	6.81	8.79	8.12	8.07	8.87	7.50	9.87
11 Other current operating expenses	8.82	7.78	8.93	8.88	8.51	9.84	6.44	9.60
12 Farm machinery and equipment	8.44	8.46	8.73	8.56	8.22	8.91	8.62	9.52
13 Farm real estate	8.57	6.91	8.72	8.14	8.66	11.19	8.97	7.79
14 Other	8.23	8.33	8.11	8.43	7.65	9.42	7.95	9.22
Percentage of the amount of loans								
15 With floating rates	85.67	72.18	63.63	84.04	94.70	98.62	92.81	66.27
16 Made under commitment	85.67	93.39	74.00	83.55	91.84	86.88	94.15	69.22
17 Callable	16.63	35.89	15.41	20.87	5.21	15.10	11.84	77.23
18 Subject to prepayment penalty	3.29	2.60	24.15	0.03	1.24	-	-	-
By purpose of the loan								
19 Feeder livestock	4.96	2.41	24.69	3.87	0.62	3.48	1.42	2.38
20 Other livestock	4.87	16.50	6.48	2.67	6.08	1.06	0.14	14.09
21 Other current operating expenses	47.56	47.75	43.47	52.93	34.95	79.32	49.45	56.15
22 Farm machinery and equipment	8.07	3.88	2.96	8.41	11.36	3.30	6.08	5.45
23 Farm real estate	13.02	1.07	3.56	4.85	30.82	0.38	3.87	7.12
24 Other	17.55	10.83	12.71	23.43	17.15	12.15	24.95	8.84
By type of collateral								
25 Farm real estate	22.51	3.24	11.70	18.43	38.11	7.80	14.33	8.01
26 Other	67.21	76.28	74.51	74.36	52.60	87.01	35.59	89.60

Footnotes are at the end of table I.H

TABLE I.H.6
 SURVEY OF TERMS OF BANK LENDING MADE DURING AUGUST 2-6, 1999
 Loans to farmers

	Risk Rating							
	All	Minimal	Low	Moderate	Acceptable	Special	Not Rated	Not Reported
OTHER BANKS ⁷								
1 Amount of loans (thousands)	368,247	42,132	89,302	111,983	26,911	1,336	19,536	77,047
2 Number of loans	25,786	3,491	7,135	7,976	1,881	222	397	4,685
3 Weighted average maturity (months) ¹	22.40	9.68	33.61	20.08	14.32	6.73	17.22	24.15
4 Weighted average repricing interval (months) ²	14.11	6.77	22.68	15.71	9.71	3.01	10.98	8.40
5 Weighted average risk rating ³	2.47	1.00	2.00	3.00	4.00	5.00	-	-
6 Weighted average interest rate (percent) ⁴	9.60	9.22	9.33	9.75	10.52	9.23	9.04	9.71
7 Standard error ⁵	0.14	0.25	0.22	0.17	0.49	0.46	0.34	0.17
8 Interquartile Range ⁶								
a.75th Percentile	10.14	9.96	9.81	10.25	11.63	9.47	10.00	10.25
b.25th Percentile	8.97	9.00	8.87	9.11	9.38	9.33	8.24	9.21
By purpose of loan								
9 Feeder livestock	9.51	9.18	9.82	9.32	10.65	10.49	-	9.96
10 Other livestock	10.19	9.44	-	10.86	12.46	-	-	10.08
11 Other current operating expenses	9.62	9.21	9.51	9.97	10.40	9.10	8.90	9.40
12 Farm machinery and equipment	9.55	10.00	8.85	10.06	10.21	-	9.30	10.29
13 Farm real estate	9.15	7.89	9.03	8.83	-	-	9.28	9.87
14 Other	9.32	10.59	9.65	8.70	9.88	-	10.02	9.71
Percentage of the amount of loans								
15 With floating rates	44.79	54.71	24.20	49.68	66.71	53.38	59.95	44.48
16 Made under commitment	44.81	57.36	56.22	46.49	71.17	62.13	14.77	20.39
17 Callable	19.11	27.17	9.38	22.04	36.48	23.70	80.53	-
18 Subject to prepayment penalty	1.54	12.88	0.29	-	-	-	-	-
By purpose of the loan								
19 Feeder livestock	2.72	8.93	2.24	1.98	0.14	9.70	9.54	-
20 Other livestock	9.18	26.60	4.55	5.51	12.34	675.84	-	-
21 Other current operating expenses	57.40	57.14	53.48	60.38	58.16	90.30	77.45	51.86
22 Farm machinery and equipment	13.25	0.21	23.74	10.45	3.76	214.70	60.96	-
23 Farm real estate	7.37	5.38	8.77	7.18	0.36	665.17	-	-
24 Other	17.55	10.83	12.71	23.43	17.15	12.15	24.95	8.84
By type of collateral								
25 Farm real estate	17.53	5.38	10.31	15.37	33.24	9.70	57.23	20.28
26 Other	77.43	83.92	87.42	77.87	63.02	90.30	41.43	75.60

Footnotes are at the end of table I.H

NOTES TO TABLE I.H

The Survey of Terms of Bank Lending to Farmers collects data on gross loan extensions made during the first full business week in the mid-month of each quarter by a sample of 250 banks of all sizes. The sample data are blown up to estimate the lending terms at all insured agricultural banks during that week. The estimated terms of bank lending are not intended for use in collecting the terms of loans extended over the entire quarter or those residing in the portfolios of banks. Loans of less than \$1,000 are excluded from the survey.

1. Average maturities are weighted by loan size and exclude loans with no stated maturity.
2. The repricing interval measures the period from the date the loan is made until it first may be repriced. For floating-rate loans that are subject to repricing at any time--such as many prime-based loans--the repricing interval is zero. For floating rate loans that have a scheduled repricing interval, the interval measures the number of days between the date the loan is made and the date on which it is next scheduled to reprice. For loans having rates that remain fixed until the loan matures (fixed-rate loans), the interval measures the number of days between the date the loan is made and the date on which it matures. Loans that reprice daily are assumed to reprice on the business day after they are made.
3. A complete description of these risk rating categories is available from the Banking and Money Market Statistics Section, mail stop 81, the Federal Reserve Board, Washington, DC 20551. The category "Moderate Risk" includes the average loan, under average economic conditions, at the typical lender. The weighted-average risk ratings are calculated by assigning a value of "1" to minimal risk loans; "2" to low risk loans; "3" to moderate risk loans; "4" to acceptable risk loans; and "5" to special mention and classified loans. These values are weighted by loan amount and exclude loans with no risk rating. Some of the loans are not rated for risk.
4. Effective (compounded) annual interest rates are calculated from the stated rate and other terms of the loans and weighted by loan size.
5. The chances are about two out of three that the average rate shown would differ by less than this amount from the average rate that would be found by a complete survey of lending at all banks.
6. The interquartile range shows the interest rate range that encompasses the middle 50 percent of the total dollar amount of loans made.
7. Among banks reporting loans to farmers, most "large banks" (survey strata 1 and 2) had over \$25 million in farm loans, most "other banks" (survey strata 3 to 5) had farm loans below \$25 million.

Table I.1
Survey of Terms of Bank Lending to Farmers. (selected quarters)

	USDA Farm Production Region*									
	NE	LS	CB	NP	AP	SE	DL	SP	MN	PA
Proportion of farm loans outstanding, Jun. 1999	2.3	12.1	25.7	17.3	9.1	4.7	4.3	8.9	5.8	9.8
Sample Coverage, Aug. 1999 survey (%)	19.2	3.1	10.0	13.0	21.5	8.2	5.7	6.0	22.8	46.2
Avg. Loan Size, Aug. 1999 survey (\$1000)	16.0	21.7	19.7	21.0	29.6	50.8	18.5	36.0	29.9	99.9
Survey date:	Weighted Average Interest Rate During Sample Week									
Nov. 1992	7.9	9.2	8.3	7.9	5.5	7.3	8.4	8.2	7.6	6.9
Feb. 1993	7.8	9.0	8.0	8.0	5.6	8.3	7.8	7.8	7.5	6.5
May 1993	8.1	8.7	8.1	7.9	5.2	8.4	7.8	8.3	7.7	6.8
Aug. 1993	8.2	7.5	8.2	8.0	5.7	7.3	7.0	7.7	7.1	7.2
Nov. 1993	8.3	8.1	7.8	7.4	5.3	6.3	8.2	7.8	7.1	6.7
Feb. 1994	7.7	8.6	7.9	7.5	5.2	7.3	7.7	7.6	7.3	6.9
May 1994	8.7	9.0	8.0	8.1	6.1	8.2	7.8	8.4	7.5	7.2
Aug. 1994	9.1	8.6	8.3	8.6	6.5	8.6	7.6	8.6	7.6	7.5
Nov. 1994	10.2	9.7	8.9	8.5	7.1	8.5	8.8	9.0	8.0	8.5
Feb. 1995	11.7	10.7	10.0	9.9	8.6	7.2	10.4	10.4	9.4	9.4
May 1995	9.0	10.4	9.3	9.4	8.5	10.2	10.7	10.1	9.3	9.3
Aug. 1995	9.6	10.3	9.3	9.8	8.1	9.6	10.4	10.1	9.4	9.5
Nov. 1995	10.8	10.3	8.3	9.6	7.9	10.1	10.3	9.8	9.3	8.9
Feb. 1996	8.8 (.32)	9.9 (.25)	8.0 (1.10)	9.4 (.22)	7.3 (.99)	9.4 (.31)	10.9 (.22)	9.9 (.24)	8.9 (.85)	8.1 (.65)
May 1996	10.3 (.25)	10.2 (.13)	7.3 (.93)	9.0 (.38)	8.1 (.86)	9.6 (.68)	10.4 (.36)	9.8 (.25)	8.7 (.78)	8.3 (.65)
Aug. 1996	8.3 (.87)	9.9 (.18)	8.9 (.49)	9.4 (.25)	7.6 (.82)	9.4 (.59)	10.0 (.37)	9.4 (.18)	8.9 (.58)	8.1 (.56)
Nov. 1996	10.1 (.21)	9.9 (.14)	9.3 (.11)	9.0 (.55)	7.5 (.82)	9.3 (.57)	9.9 (.40)	9.1 (.25)	9.0 (.75)	8.6 (.48)
Feb. 1997	8.8 (.11)	9.5 (.26)	9.5 (.12)	9.3 (.22)	8.0 (.51)	9.9 (.32)	9.5 (.35)	9.5 (.24)	10.1 (.27)	8.7 (.35)
May 1997	9.4 (.43)	10.1 (.17)	9.2 (.22)	9.5 (.27)	8.3 (.62)	9.9 (.66)	10.2 (.29)	9.7 (.23)	10.0 (.29)	8.7 (.51)
Aug. 1997	9.3 (.47)	9.8 (.18)	9.6 (.14)	9.9 (.08)	8.5 (.26)	10.1 (.24)	9.9 (.12)	9.7 (.27)	10.5 (.23)	8.7 (.34)
Nov. 1997	9.2 (.41)	9.5 (.17)	9.3 (.10)	9.8 (.08)	7.5 (.60)	9.8 (.11)	9.4 (.05)	9.4 (.38)	10.1 (.57)	8.8 (.31)
Feb. 1998	9.3 (.51)	9.0 (.27)	9.4 (.17)	9.8 (.09)	7.3 (.77)	10.0 (.48)	10.3 (.13)	9.8 (.30)	9.6 (.43)	8.5 (.19)
May 1998	9.2 (.49)	9.4 (.24)	9.2 (.15)	9.7 (.10)	7.6 (.54)	10.2 (.12)	10.3 (.34)	9.6 (.30)	9.8 (.42)	8.4 (.39)
Aug. 1998	10.2 (.19)	9.5 (.21)	9.5 (.12)	9.5 (.17)	8.8 (.17)	9.5 (.29)	9.7 (.29)	9.5 (.28)	9.6 (.47)	8.5 (.33)
Nov. 1998	9.4 (.01)	9.2 (.28)	8.7 (.20)	9.0 (.12)	8.3 (.38)	9.4 (.31)	9.7 (.20)	9.2 (.32)	9.1 (.59)	8.0 (.38)
Feb. 1999	8.4 (.40)	8.9 (.20)	8.9 (.15)	9.1 (.12)	8.2 (.20)	9.0 (.23)	9.6 (.13)	9.1 (.52)	9.0 (.41)	7.5 (.51)
May 1999	9.6 (.19)	9.1 (.13)	8.8 (.15)	9.0 (.08)	8.0 (.16)	9.0 (.33)	9.8 (.35)	9.0 (.43)	8.7 (.40)	8.0 (.22)
Aug. 1999	10.2 (.29)	8.9 (.56)	8.7 (.14)	9.3 (.18)	8.2 (.22)	8.9 (.37)	10.0 (.55)	8.8 (.65)	9.0 (.19)	8.5 (.23)

* NE is Northeast, LS is Lake States, CB is Cornbelt, NP is Northern Plains, AP is Appalachia, SE is Southeast, DL is Delta States, SP is Southern Plains, MN is Mountain States, and PA is Pacific.

Standard errors are in parentheses below the more recent estimates. Standard errors are calculated from 100 replications of a bootstrap procedure (resampling of banks) in each region.

SECTION II: SELECTED STATISTICS FROM THE QUARTERLY REPORTS OF CONDITION OF COMMERCIAL BANKS

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Agricultural banks:

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SOURCES OF DATA:

The data in tables II.A through II.H are prepared using data from the quarterly reports of condition and income for commercial banks. Delinquencies and charge-offs of non-real-estate farm loans for the nation as a whole (table II.B and table II.C) are estimated from reports of banks that hold more than 90 percent of total non-real-estate farm loans. The incomplete coverage arises because banks with less than \$300 million in assets have been excused from some reporting requirements. First, these smaller banks report delinquencies and charge-offs of "agricultural loans" according to the particular bank's own definition, which may include loans that are secured by farm real estate. Furthermore, small banks that hold less than 5 percent of total loans as farm production loans are not required to report any information regarding delinquencies or charge-offs of "agricultural loans." In constructing the data presented in the tables, banks that are not required to report these data are assumed to have the same delinquency rates as those that do report. In 1991, banks began to report delinquencies of loans that are secured by farm real estate. These data, which are shown in tables II.D and II.E, are reported by all banks, regardless of the size of the institution or the relative amounts of farm loans that they hold. Because "agricultural loans" and loans secured by farm real estate may overlap for some small banks, it is unclear whether it is proper to add the data in table II.B to its counterpart in table II.D to obtain total agricultural delinquencies. A similar caveat applies to the data concerning charge-offs in tables II.C and II.E.

Examination of total lending at banks that have a high exposure to agricultural loans provides an alternative perspective on the agricultural lending situation. Agricultural banks in table II.D through table II.I are those that have a proportion of farm loans (real estate plus nonreal estate) to total loans that is greater than the unweighted average at all banks. The estimate of this average was 15.3 percent in June of 1999.

Information on failed banks (table II.I) is obtained from news releases of the Federal Deposit Insurance Corporation, with agricultural banks broken out in our tabulation according to the definition stated in the previous paragraph.

Recent Developments:

Loans outstanding: During the second quarter of 1999, growth in the total volume of farm loans continued to slow. The volume of non-real-estate farm loans, fell 3 percent from the previous year, while the volume of farm real estate loans was 8 percent greater than in June of 1998. Some of the increase of real estate loans relative to other farm loans might reflect more stringent collateral requirements by lenders, and indeed, data from several of the Reserve Bank surveys that are shown in section III lend some support to this hypothesis.

Problem loans: Through mid-1999, the rate of delinquency on farm non-real-estate loans remained higher than one year earlier. The increase in delinquencies for these loans has persisted even as banks have increased substantially their chargeoffs. Although the proportion of agricultural banks that reported a level of nonperforming loans that was less than 2 percent of total loans increased from the March reading, the proportion of agricultural banks below this threshold remained lower than the proportion from one year earlier. Nevertheless, only about 1 in 5 agricultural banks had problem loans greater than 2 percent of total loans.

Performance of agricultural banks: The average rate of return on assets at agricultural banks in the first half of 1999 was 1.2 percent at an annual rate, the same pace that has prevailed for most of the 1990s. The capital ratio for these banks edged down relative to one year earlier, though it remained roughly in line with the average over the past 3 or 4 years. The ratio of loans to deposits at agricultural banks edged up from the previous year, and although the rapid rate of increase of this indicator has slowed, the ratio remains quite high by historical standards.

Failures of agricultural banks: Despite the hints of financial stress at some agricultural banks, only one has failed thus far in 1999, and only one agricultural bank failed in 1998. Given the strong capital positions and low levels of problem loans of most agricultural banks, the number of failures seems likely to remain fairly small in coming quarters. However, if recent financial problems in the farm sector persist, stress among agricultural banks likely would rise further as well.

TABLE II.A

FARM DEBT OUTSTANDING AT COMMERCIAL BANKS, END OF QUARTER

	LOAN VOLUME, BILLIONS OF DOLLARS			PERCENT CHANGE FROM PREVIOUS QUARTER			PERCENT CHANGE FROM PREVIOUS YEAR		
	TOTAL LOANS	REAL ESTATE LOANS	NONREAL ESTATE LOANS	TOTAL LOANS	REAL ESTATE LOANS	NONREAL ESTATE LOANS	TOTAL LOANS	REAL ESTATE LOANS	NONREAL ESTATE LOANS
1991 Q1...	49.5	17.5	32.0	-1.3	1.5	-2.8	7.4	4.3	9.1
Q2...	52.6	18.1	34.5	6.2	3.4	7.7	7.2	5.5	8.1
Q3...	53.9	18.3	35.6	2.5	1.4	3.1	6.6	5.8	7.1
Q4...	53.0	18.4	34.6	-1.6	0.6	-2.7	5.7	7.0	5.1
1992 Q1...	51.9	18.9	33.0	-2.1	2.7	-4.6	4.9	8.2	3.1
Q2...	55.1	19.5	35.6	6.2	3.3	7.8	4.9	8.1	3.2
Q3...	56.2	19.9	36.2	1.9	1.9	1.9	4.2	8.6	1.9
Q4...	54.5	19.9	34.7	-2.9	-0.2	-4.4	2.9	7.8	0.2
1993 Q1...	52.8	20.0	32.8	-3.2	0.5	-5.3	1.7	5.6	-0.5
Q2...	56.0	20.6	35.4	6.0	3.1	7.8	1.6	5.4	-0.6
Q3...	58.0	20.8	37.1	3.5	1.2	4.9	3.2	4.7	2.4
Q4...	57.7	20.9	36.8	-0.5	0.1	-0.8	5.8	5.0	6.2
1994 Q1...	56.8	21.2	35.5	-1.5	1.8	-3.4	7.6	6.4	8.3
Q2...	61.1	21.9	39.2	7.6	3.2	10.2	9.1	6.4	10.7
Q3...	63.0	22.4	40.6	3.1	2.2	3.6	8.7	7.5	9.3
Q4...	61.3	22.6	38.7	-2.7	0.7	-4.6	6.2	8.2	5.2
1995 Q1...	59.9	22.9	36.9	-2.3	1.6	-4.6	5.4	8.0	3.9
Q2...	63.5	23.6	40.0	6.1	2.7	8.2	4.0	7.5	2.0
Q3...	65.3	23.8	41.5	2.9	1.1	3.9	3.7	6.3	2.3
Q4...	63.7	23.9	39.8	-2.5	0.4	-4.1	3.9	5.9	2.8
1996 Q1...	61.7	24.0	37.7	-3.1	0.5	-5.3	3.1	4.8	2.0
Q2...	65.7	24.7	41.0	6.5	2.7	8.9	3.4	4.7	2.7
Q3...	66.6	24.9	41.6	1.3	1.1	1.5	1.9	4.7	0.3
Q4...	65.5	25.0	40.5	-1.6	0.3	-2.8	2.8	4.6	1.8
1997 Q1...	63.8	25.4	38.4	-2.6	1.4	-5.1	3.4	5.5	2.0
Q2...	69.0	26.2	42.8	8.2	3.3	11.5	5.1	6.2	4.4
Q3...	71.1	27.0	44.2	3.0	2.9	3.1	6.8	8.1	6.0
Q4...	71.3	27.1	44.2	0.3	0.7	0.0	8.9	8.5	9.1
1998 Q1...	70.1	27.6	42.4	-1.7	1.8	-3.9	9.8	9.0	10.4
Q2...	75.0	28.5	46.5	7.1	3.2	9.6	8.6	8.8	8.5
Q3...	76.3	28.9	47.4	1.7	1.3	1.9	7.2	7.2	7.3
Q4...	74.7	29.3	45.5	-2.0	1.3	-4.0	4.8	7.8	3.0
1999 Q1...	72.7	29.7	42.9	-2.8	1.7	-5.6	3.7	7.6	1.1
Q2...	75.8	30.8	45.1	4.4	3.5	5.0	1.1	8.0	-3.1

TABLE II.B

ESTIMATED DELINQUENT FARM NON-REAL-ESTATE LOANS
INSURED COMMERCIAL BANKS

	BILLIONS OF DOLLARS					AS PERCENTAGE OF OUTSTANDING FARM PRODUCTION				
	NONPERFORMING					NONPERFORMING				
	TOTAL	PAST DUE 30 TO 89 DAYS ACCRUING	TOTAL	PAST DUE 90 DAYS ACCRUING	NON- ACCRUAL	TOTAL	PAST DUE 30 TO 89 DAYS ACCRUING	TOTAL	PAST DUE 90 DAYS ACCRUING	NON- ACCRUAL
-----December 31 of year indicated-----										
1990.....	1.0	0.4	0.6	0.1	0.5	3.1	1.3	1.9	0.3	1.6
1991.....	1.1	0.4	0.7	0.1	0.5	3.2	1.3	1.9	0.3	1.6
1992.....	1.0	0.3	0.6	0.1	0.5	2.8	1.0	1.8	0.3	1.5
1993.....	0.8	0.3	0.5	0.1	0.4	2.2	0.8	1.4	0.2	1.2
1994.....	0.8	0.3	0.4	0.1	0.3	2.0	0.9	1.1	0.2	0.9
1995.....	0.8	0.4	0.4	0.1	0.3	2.1	0.9	1.1	0.3	0.9
1996.....	1.0	0.5	0.5	0.1	0.4	2.4	1.2	1.3	0.3	1.0
1997.....	0.9	0.4	0.5	0.1	0.4	2.0	0.9	1.1	0.2	0.9
1998.....	1.0	0.5	0.5	0.1	0.4	2.2	1.0	1.2	0.3	0.9
-----End of quarter-----										
1996 Q2...	1.2	0.5	0.7	0.2	0.5	2.8	1.2	1.6	0.5	1.1
Q3...	1.0	0.3	0.6	0.2	0.4	2.3	0.8	1.5	0.4	1.0
Q4...	1.0	0.5	0.5	0.1	0.4	2.4	1.2	1.3	0.3	1.0
1997 Q1...	1.3	0.7	0.6	0.2	0.4	3.3	1.7	1.5	0.5	1.0
Q2...	1.0	0.4	0.6	0.2	0.4	2.4	1.0	1.4	0.5	0.9
Q3...	0.9	0.3	0.6	0.1	0.4	2.0	0.7	1.3	0.3	0.9
Q4...	0.9	0.4	0.5	0.1	0.4	2.0	0.9	1.1	0.2	0.9
1998 Q1...	1.3	0.8	0.6	0.2	0.4	3.2	1.8	1.3	0.4	0.9
Q2...	1.1	0.5	0.6	0.2	0.4	2.4	1.1	1.3	0.5	0.8
Q3...	1.0	0.4	0.6	0.2	0.4	2.1	0.8	1.3	0.4	0.9
Q4...	1.0	0.5	0.5	0.1	0.4	2.2	1.0	1.2	0.3	0.9
1999 Q1...	1.6	0.9	0.7	0.2	0.4	3.7	2.1	1.5	0.5	1.0
Q2...	1.3	0.5	0.7	0.2	0.5	2.8	1.2	1.6	0.5	1.1

Data are estimates of the national totals for farm non-real-estate loans. After 1984, estimates are based on reports from banks that hold more than 90 percent of such loans. Earlier, only large banks that held about one-fourth of such loans reported nonaccrual and renegotiated farm loans; for other banks, estimates of delinquent farm loans are based on a study of delinquent total loans at these banks.

TABLE II.C

ESTIMATED NET CHARGE-OFFS OF NON-REAL-ESTATE FARM LOANS
INSURED COMMERCIAL BANKS*

	ESTIMATED AMOUNT MILLIONS OF DOLLARS					CHARGE-OFFS AS A PERCENTAGE OF SUCH LOANS OUTSTANDING				
	ANNUAL TOTAL	Q1	Q2	Q3	Q4	ANNUAL TOTAL	Q1	Q2	Q3	Q4
1992.....	82	14	20	29	18	0.24	0.04	0.06	0.08	0.05
1993.....	54	7	16	5	26	0.15	0.02	0.05	0.01	0.07
1994.....	69	10	11	15	33	0.19	0.03	0.03	0.04	0.08
1995.....	51	-2	14	13	25	0.13	-0.00	0.04	0.03	0.06
1996.....	95	16	27	24	30	0.24	0.04	0.07	0.06	0.07
1997.....	93	6	19	19	50	0.23	0.01	0.05	0.05	0.11
1998.....	87	4	15	24	45	0.20	0.01	0.04	0.05	0.09
1999.....	**	18	37	**	**	**	0.04	0.09	**	**

* Data are estimates of the national charge-offs of farm non-real-estate loans based on reports from banks that hold more than 90 percent of the outstanding national volume of such loans. Additional uncertainty of the estimates arises because small banks report only charge-offs of 'agricultural' loans as defined by each bank for its internal purposes. Banks first reported these data on the March 1984 Report of Income.

TABLE II.D

DELINQUENT FARM REAL ESTATE LOANS
INSURED COMMERCIAL BANKS

	BILLIONS OF DOLLARS					AS PERCENTAGE OF OUTSTANDING FARM REAL ESTATE LOANS				
	NONPERFORMING					NONPERFORMING				
	TOTAL	PAST DUE 30 TO 89 DAYS ACCRUING	TOTAL	PAST DUE 90 DAYS ACCRUING	NON- ACCRUAL	TOTAL	PAST DUE 30 TO 89 DAYS ACCRUING	TOTAL	PAST DUE 90 DAYS ACCRUING	NON- ACCRUAL
-----December 31 of year indicated-----										
1993.....	0.4	0.1	0.2	0.0	0.2	1.8	0.7	1.1	0.2	0.8
1994.....	0.3	0.1	0.2	0.0	0.1	1.5	0.7	0.8	0.2	0.6
1995.....	0.5	0.2	0.2	0.1	0.1	2.1	1.0	1.0	0.4	0.6
1996.....	0.4	0.2	0.2	0.1	0.1	1.5	0.7	0.8	0.3	0.6
1997.....	0.4	0.2	0.2	0.1	0.1	1.3	0.6	0.7	0.2	0.5
1998.....	0.4	0.2	0.2	0.1	0.1	1.3	0.5	0.8	0.3	0.5
-----End of quarter-----										
1996 Q1...	0.5	0.2	0.2	0.1	0.1	2.1	1.0	1.0	0.4	0.6
Q2...	0.4	0.2	0.3	0.1	0.1	1.7	0.7	1.0	0.4	0.6
Q3...	0.4	0.1	0.2	0.1	0.1	1.5	0.5	1.0	0.4	0.6
Q4...	0.4	0.2	0.2	0.1	0.1	1.5	0.7	0.8	0.3	0.6
1997 Q1...	0.5	0.3	0.2	0.1	0.1	1.9	1.0	0.9	0.4	0.5
Q2...	0.4	0.2	0.2	0.1	0.1	1.4	0.6	0.9	0.3	0.5
Q3...	0.3	0.1	0.2	0.1	0.1	1.3	0.5	0.8	0.3	0.5
Q4...	0.4	0.2	0.2	0.1	0.1	1.3	0.6	0.7	0.2	0.5
1998 Q1...	0.5	0.3	0.2	0.1	0.1	1.9	1.1	0.8	0.3	0.5
Q2...	0.4	0.2	0.2	0.1	0.1	1.4	0.6	0.8	0.4	0.5
Q3...	0.4	0.2	0.2	0.1	0.1	1.3	0.5	0.8	0.3	0.5
Q4...	0.4	0.2	0.2	0.1	0.1	1.3	0.5	0.8	0.3	0.5
1999 Q1...	0.6	0.3	0.3	0.1	0.1	1.9	1.1	0.8	0.4	0.5
Q2...	0.4	0.2	0.3	0.1	0.1	1.4	0.6	0.9	0.4	0.5

All commercial banks began to report these data in 1991.

TABLE II.E

NET CHARGE-OFFS OF REAL ESTATE FARM LOANS
INSURED COMMERCIAL BANKS*

	ESTIMATED AMOUNT MILLIONS OF DOLLARS					CHARGE-OFFS AS A PERCENTAGE OF SUCH LOANS OUTSTANDING				
	ANNUAL TOTAL	Q1	Q2	Q3	Q4	ANNUAL TOTAL	Q1	Q2	Q3	Q4
1992.....	20	4	7	4	6	0.11	0.019	0.033	0.022	0.029
1993.....	6	0	1	2	3	0.03	0.002	0.003	0.008	0.015
1994.....	-1	-1	-1	0	1	-0.00	-0.004	-0.004	0.002	0.003
1995.....	3	-0	-0	2	2	0.01	-0.001	-0.001	0.006	0.007
1996.....	1	-1	-1	1	2	0.01	-0.004	-0.003	0.003	0.009
1997.....	4	-1	-0	1	4	0.01	-0.004	-0.001	0.005	0.013
1998.....	2	-2	-1	0	4	0.01	-0.006	-0.002	0.001	0.012
1999.....	**	-1	1	**	**	**	-0.002	0.004	**	**

* All commercial banks began to report these data in 1991.

TABLE II.F

DISTRIBUTION OF AGRICULTURAL BANKS BY THE SHARE OF THEIR LOANS THAT ARE NONPERFORMING*

NONPERFORMING LOANS AS A PERCENTAGE OF TOTAL LOANS								
TOTAL	UNDER 2.0	2.0 TO 4.9	5.0 TO 9.9	10.0 TO 14.9	15.0 TO 19.9	20.0 AND OVER		
-----Percentage distribution, December 31 of year indicated-----								
1990.....	100.0	69.6	22.7	6.4	1.0	0.2	0.0	
1991.....	100.0	70.8	22.3	5.8	0.7	0.3	0.1	
1992.....	100.0	76.2	18.9	3.9	0.8	0.1	0.0	
1993.....	100.0	80.6	15.9	2.8	0.6	0.1	0.0	
1994.....	100.0	85.5	12.3	1.9	0.2	0.1	0.0	
1995.....	100.0	83.7	13.8	2.1	0.3	0.1	0.1	
1996.....	100.0	81.8	15.5	2.3	0.2	0.1	0.1	
1997.....	100.0	84.4	13.0	2.4	0.1	0.1	0.0	
1998.....	100.0	81.9	14.9	2.8	0.3	0.1	0.0	
-----Percentage distribution, end of quarter-----								
1996 Q3...	100.0	79.3	17.0	3.1	0.5	0.1	0.1	
Q4...	100.0	81.8	15.5	2.3	0.2	0.1	0.1	
1997 Q1...	100.0	79.0	16.8	3.7	0.4	0.1	0.1	
Q2...	100.0	80.6	15.8	3.2	0.4	0.1	0.0	
Q3...	100.0	81.7	15.2	2.7	0.2	0.1	0.1	
Q4...	100.0	84.4	13.0	2.4	0.1	0.1	0.0	
1998 Q1...	100.0	80.6	16.4	2.8	0.1	0.1	0.1	
Q2...	100.0	81.0	15.7	2.9	0.3	0.1	0.0	
Q3...	100.0	80.3	16.2	3.0	0.3	0.1	0.0	
Q4...	100.0	81.9	14.9	2.8	0.3	0.1	0.0	
1999 Q1...	100.0	77.6	17.5	4.4	0.5	0.0	0.0	
Q2...	100.0	78.9	16.7	3.8	0.6	0.0	0.0	

* Nonperforming loans are loans in nonaccrual status or past due 90 days or more. Renegotiated or restructured loans in compliance with the modified terms are not included. Agricultural banks are defined in the introduction to section II.

SELECTED MEASURES OF FINANCIAL PERFORMANCE OF AGRICULTURAL AND OTHER BANKS*

	NET INCOME AS A PERCENTAGE OF AVERAGE EQUITY AT AGRICULTURAL BANKS								AVERAGE RATE OF RETURN TO EQUITY		RATE OF RETURN TO ASSETS		NET CHARGE-OFFS AS PERCENTAGE OF TOTAL LOANS		AVERAGE CAPITAL RATIO (PERCENT)	
	ALL BANKS	NEGATIVE	0	5	10	15	20	25	AGRI-CULTURAL BANKS	OTHER SMALL BANKS	AGRI-CULTURAL BANKS	OTHER SMALL BANKS	AGRI-CULTURAL BANKS	OTHER SMALL BANKS	AGRI-CULTURAL BANKS	OTHER SMALL BANKS
			TO	TO	TO	TO	TO AND	TO AND								
			4	9	14	19	24	OVER								
-----percentage distribution-----																
1990.....	100.0	4.9	7.5	33.4	37.6	12.9	2.6	1.1	10.8	8.5	1.0	0.7	0.4	0.7	9.9	9.0
1991.....	100.0	4.1	7.7	32.2	39.2	13.4	2.5	0.9	10.9	8.9	1.0	0.7	0.4	0.8	10.1	9.2
1992.....	100.0	1.9	5.0	25.5	41.1	19.8	5.1	1.7	12.6	11.5	1.2	1.0	0.4	0.7	10.4	9.5
1993.....	100.0	1.5	5.7	27.8	40.6	18.5	4.6	1.3	12.4	12.4	1.2	1.1	0.2	0.4	10.8	10.0
1994.....	100.0	1.5	5.7	31.3	40.2	17.1	3.3	0.9	11.9	12.4	1.2	1.1	0.2	0.3	10.7	9.9
1995.....	100.0	1.4	5.6	36.8	39.9	13.3	2.4	0.6	11.3	11.6	1.2	1.1	0.2	0.3	11.1	10.5
1996.....	100.0	2.0	5.5	33.5	41.5	14.3	2.6	0.5	11.5	11.6	1.2	1.1	0.3	0.3	10.9	10.6
1997.....	100.0	1.6	5.9	34.3	39.5	14.3	3.2	1.2	11.6	11.8	1.2	1.2	0.2	0.3	11.0	10.7
1998.....	100.0	2.0	8.7	35.5	35.7	13.4	3.5	1.3	11.4	11.4	1.2	1.1	0.2	0.3	10.9	10.7
-----QUARTERLY-----																
-----YEAR TO DATE-----																
1996 Q3...	**	**	**	**	**	**	**	**	9.2	9.0	0.9	0.9	0.2	0.2	11.0	10.5
Q4...	**	**	**	**	**	**	**	**	11.5	11.6	1.2	1.1	0.3	0.3	10.9	10.6
1997 Q1...	**	**	**	**	**	**	**	**	3.0	3.1	0.3	0.3	0.0	0.1	11.0	10.6
Q2...	**	**	**	**	**	**	**	**	6.2	6.1	0.7	0.6	0.1	0.1	11.1	10.7
Q3...	**	**	**	**	**	**	**	**	9.0	9.3	1.0	0.9	0.2	0.2	11.3	10.9
Q4...	**	**	**	**	**	**	**	**	11.6	11.8	1.2	1.2	0.2	0.3	11.0	10.7
1998 Q1...	**	**	**	**	**	**	**	**	3.0	3.2	0.3	0.3	0.0	0.1	11.1	10.7
Q2...	**	**	**	**	**	**	**	**	6.1	6.1	0.6	0.6	0.1	0.1	11.1	10.9
Q3...	**	**	**	**	**	**	**	**	8.9	8.7	0.9	0.9	0.1	0.2	11.3	11.0
Q4...	**	**	**	**	**	**	**	**	11.4	11.4	1.2	1.1	0.2	0.3	10.9	10.7
1999 Q1...	**	**	**	**	**	**	**	**	2.9	2.9	0.3	0.3	0.0	0.1	11.0	10.7
Q2...	**	**	**	**	**	**	**	**	6.0	5.8	0.6	0.6	0.1	0.1	10.7	10.6

* Agricultural and other banks are defined in the introduction to section II; small banks have less than 500 million dollars in assets. Total primary and secondary capital (items that are available at the end of the period specified) are measured as a percentage of total assets. Quarterly data in the lower panel are cumulative through the end of the quarter indicated and, for periods of less than a year, are not comparable to the annual data in the upper panel.

TABLE II.H

AVERAGE LOAN-DEPOSIT RATIOS AT AGRICULTURAL BANKS IN SELECTED FEDERAL RESERVE DISTRICTS*

DECEMBER 31																			
U. S.		CLEVELAND		ATLANTA		CHICAGO		ST. LOUIS		MINNE- APOLIS		KANSAS CITY		DALLAS		SAN FRANCISCO		MINIMUM FARM LOAN RATIO	
NUMBER OF BANKS	LOANS TO DEPOSITS	NUMBER OF BANKS	LOANS TO DEPOSITS	NUMBER OF BANKS	LOANS TO DEPOSITS	NUMBER OF BANKS	LOANS TO DEPOSITS	NUMBER OF BANKS	LOANS TO DEPOSITS	NUMBER OF BANKS	LOANS TO DEPOSITS	NUMBER OF BANKS	LOANS TO DEPOSITS	NUMBER OF BANKS	LOANS TO DEPOSITS	NUMBER OF BANKS	LOANS TO DEPOSITS	NUMBER OF BANKS	LOANS TO DEPOSITS
1993.....	3723	0.582	67	0.660	130	0.618	912	0.600	432	0.590	669	0.615	1063	0.566	378	0.442	58	0.733	17.04
1994.....	3550	0.625	56	0.707	125	0.646	860	0.643	402	0.629	658	0.674	1014	0.618	366	0.474	53	0.747	16.99
1995.....	3482	0.641	60	0.717	135	0.647	841	0.658	393	0.654	637	0.681	981	0.634	359	0.499	55	0.741	15.79
1996.....	3347	0.658	55	0.775	126	0.682	814	0.681	384	0.666	619	0.698	944	0.649	331	0.492	55	0.734	15.41
1997.....	3207	0.687	54	0.770	122	0.706	784	0.721	360	0.699	584	0.727	904	0.679	325	0.528	53	0.660	15.40
1998.....	3056	0.682	46	0.772	106	0.703	744	0.711	339	0.693	568	0.715	884	0.680	306	0.525	50	0.664	15.32
1996 Q3...	3400	0.674	58	0.780	140	0.708	814	0.690	406	0.699	623	0.716	952	0.662	331	0.510	54	0.757	15.84
Q4...	3347	0.658	55	0.775	126	0.682	814	0.681	384	0.666	619	0.698	944	0.649	331	0.492	55	0.734	15.41
1997 Q1...	3336	0.660	52	0.780	128	0.706	806	0.685	382	0.662	611	0.701	941	0.644	339	0.499	54	0.722	15.02
Q2...	3323	0.696	55	0.809	144	0.714	799	0.712	383	0.703	604	0.763	922	0.677	338	0.536	54	0.704	15.57
Q3...	3274	0.703	54	0.808	139	0.732	795	0.730	384	0.722	591	0.749	913	0.686	325	0.543	52	0.679	15.64
Q4...	3207	0.687	54	0.770	122	0.706	784	0.721	360	0.699	584	0.727	904	0.679	325	0.528	53	0.660	15.40
1998 Q1...	3176	0.689	53	0.782	118	0.719	762	0.726	355	0.691	583	0.731	906	0.681	325	0.527	53	0.667	15.28
Q2...	3164	0.713	50	0.792	118	0.731	757	0.746	360	0.726	579	0.769	904	0.699	322	0.536	53	0.701	15.76
Q3...	3127	0.725	52	0.806	119	0.742	752	0.757	358	0.733	578	0.769	892	0.720	305	0.549	54	0.693	15.75
Q4...	3056	0.682	46	0.772	106	0.703	744	0.711	339	0.693	568	0.715	884	0.680	306	0.525	50	0.664	15.32
1999 Q1...	3055	0.690	45	0.798	112	0.718	741	0.722	334	0.689	560	0.724	884	0.683	311	0.534	52	0.682	15.04
Q2...	3049	0.716	47	0.820	119	0.733	735	0.745	338	0.727	558	0.763	873	0.702	302	0.541	57	0.752	15.25

* The loan-deposit ratio is defined as total loans divided by total deposits. Agricultural banks are defined as banks with a farm loan ratio at least as great as that shown in the last column, as described in the introduction to section II.

TABLE II.I

FAILURES OF AGRICULTURAL BANKS*

	NUMBER OF FAILURES				ANNUAL TOTAL
	Q1	Q2	Q3	Q4	
1988.....	11	6	12	7	36
1989.....	5	7	5	5	22
1990.....	3	5	6	3	17
1991.....	2	2	3	1	8
1992.....	1	1	1	4	7
1993.....	1	2	2	0	5
1994.....	0	0	0	0	0
1995.....	0	0	0	0	0
1996.....	0	2	0	0	2
1997.....	0	0	0	1	1
1998.....	0	0	1	0	1
1999.....	0	1	0	**	**

* Data exclude banks assisted to prevent failure. Industrial banks and mutual savings banks also are excluded. Agricultural banks are defined in the introduction to section II.

SECTION III: FEDERAL RESERVE BANK QUARTERLY SURVEYS OF FARM CREDIT CONDITIONS AND FARM LAND VALUES

TABLES:

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SOURCES OF DATA:

Data are from quarterly surveys of agricultural credit conditions at commercial banks. These surveys are conducted at the end of each quarter by five Federal Reserve Banks. The size of the surveys differs considerably, as is noted in the information below. In addition, the five surveys differ in subject matter covered (as is evident in the tables), wording of basically similar questions, and type of banks covered. Most of the differences in wording are reflected in the use of different column headings on the two pages of each table. The states included in each district are indicated in the table headings; states that fall only partly within a given district are marked with asterisks.

Beginning in 1994, the Minneapolis Federal Reserve Bank revised its survey considerably. Many questions were changed and it was not always possible to match the data to the categories that we have shown in previous editions of the Databook. Whenever possible, we have tried to fit the data from the revised survey into the older format. Series that were discontinued show no data for the first quarter, while those that were added suddenly appear. When a significant break in the data occurred, we included the new data and added a footnote to highlight the changes.

Research departments at each of the five Reserve Banks issue more detailed quarterly reports on their survey results; these reports are available at the addresses given below.

Federal Reserve Bank of Chicago, Box 834, Chicago, Illinois, 60690

The sample includes member banks at which farm loans represented 25 percent or more of total loans as of June 1972 (a 10 percent standard is used for banks in the state of Michigan). The sample has undergone periodic review. The latest survey results were based on the responses of about 450 banks.

Federal Reserve Bank of Kansas City, Federal Reserve P.O. Station, Kansas City Missouri 64198

The sample chosen originally in 1976 consisted of 181 banks selected from banks at which farm loans constituted 50 percent or more of total loans, with appropriate representation of all farm areas. The sample was redrawn and significantly expanded in 1987; roughly 300 banks responded to the latest survey.

Federal Reserve Bank of Minneapolis, Minneapolis, Minnesota 55480

Before 1987, the sample provided a cross-section of banks of all sizes that were engaged in farm lending. Members of the Upper Midwest Agricultural Credit Council formed the core of the survey panel. Beginning in 1987, the sample was redrawn to include only banks at which farm loans represented 25 percent or more of total loans. As outlined above, the Minneapolis survey was changed considerably beginning in the first quarter of 1994. In recent surveys, about 130 banks responded.

Section III: (continued)

Federal Reserve Bank of Dallas, P.O. Box 655906, Dallas, Texas 75265-5906

The sample is stratified regionally and includes banks at which farm loans are relatively important or which hold a major portion of bank loans in their region. The sample was enlarged in the first quarter of 1985 and was redrawn in the second quarter of 1989. The results for the most recent quarter were based on the responses from about 200 respondents.

Federal Reserve Bank of Richmond, Richmond, Virginia 23261

The number of agricultural banks in this district is much smaller than those of the other districts. When the survey was initiated in 1975, the sample consisted of 43 banks of all sizes; banks with larger amounts of farm loans were sampled more heavily. More recently, the sample has consisted of about 30 banks, roughly three-fourths of which typically respond to the quarterly surveys.

RECENT DEVELOPMENTS:

Bankers responding to the surveys indicated that the demand for farm loans may have remained weak through mid-1999. Consistent with the pickup in delinquencies that was shown in section II of the Databook, bankers in the Chicago, Kansas City, and Minneapolis districts reported that rates of loan repayment through the second quarter of 1999 remained considerably lower than those reported one year earlier. Partly offsetting this negative tone was an improvement in reported repayments in the Dallas district, and stable conditions reported by the respondents in the Richmond district. However in all districts except Richmond, there continues to be a pronounced stepup in reports of renewals and extensions. Finally, a substantial portion of banks in the surveys reported higher collateral requirements than had been the norm in recent years, suggesting some continuing concerns about repayment prospects.

Scanning through reported expectations for the third quarter, loans for farm machinery are anticipated to remain quite weak in all districts that report these data. Bankers in the Chicago district anticipate loans for crop storage to be weaker than usual. Respondents in the Dallas district anticipate a small rebound in loans for feeder cattle, likely reflecting the recent recovery of prices for feeder cattle.

Banks in the Kansas City, Dallas, and Minneapolis districts report higher-than-normal referrals to nonbank agencies, suggesting some concern among midwest bankers about the quality of new agricultural loans.

Rates of interest reported in these Reserve bank surveys generally moved up in the second quarter of 1999, and as discussed in section I of the Databook, rates likely increased some more in the third quarter of 1999, suggesting that coming Reserve bank surveys should show a tendency to increase as well.

Nominal prices of nonirrigated farmland edged up in the second quarter in the Chicago, Richmond, and Dallas districts. However, prices were flat in the Kansas City district, and relative to year-earlier levels, prices for farmland were mostly flat in the districts that report these data. The fairly stable prices reported in the past few surveys stand in contrast to the rapid yearly rate of growth seen at the beginning of 1998, which reached double-digit rates of increase in the Chicago and Richmond districts.

FEDERAL RESERVE BANK QUARTERLY SURVEYS OF AGRICULTURAL CREDIT CONDITIONS AT COMMERCIAL BANKS
TABLE III.A

FARM NONREAL ESTATE LENDING EXPERIENCE COMPARED WITH A YEAR EARLIER
(PERCENTAGE OF BANKS REPORTING)

	DEMAND FOR LOANS			FUND AVAILABILITY			LOAN REPAYMENT RATE			RENEWALS OR EXTENSIONS			COLLATERAL REQUIRED		
	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER
III.A1 SEVENTH (CHICAGO) FEDERAL RESERVE DISTRICT (IL*, IN*, IA, MI*, WI*) AGRICULTURAL BANKS															
1997 Q2...	8	50	42	17	68	14	17	72	11	13	69	18	1	89	10
Q3...	11	47	42	17	69	14	15	77	8	10	77	13	0	92	8
Q4...	14	52	34	11	69	20	19	68	14	14	72	14	1	90	9
1998 Q1...	8	49	42	12	64	24	27	64	9	8	64	29	1	89	11
Q2...	15	44	42	13	71	16	31	65	4	3	64	33	1	86	14
Q3...	19	46	35	10	75	14	43	53	3	3	56	41	1	80	19
Q4...	20	47	34	6	66	28	51	42	7	7	45	48	0	75	25
1999 Q1...	19	42	39	8	65	27	63	35	2	4	39	57	0	69	31
Q2...	21	44	36	10	72	18	52	45	3	3	44	53	0	70	30
III.A2 TENTH (KANSAS CITY) FEDERAL RESERVE DISTRICT (CO, KS, MO*, NE, NM*, OK, WY) AGRICULTURAL BANKS															
1997 Q2...	9	57	34	19	67	14	10	76	14	13	78	9	1	89	10
Q3...	6	61	33	21	67	12	7	75	18	15	79	7	1	91	8
Q4...	6	60	34	16	72	13	13	76	12	9	79	12	0	92	8
1998 Q1...	5	69	25	12	68	20	15	76	9	6	79	15	0	91	9
Q2...	7	63	30	16	69	15	25	72	3	4	74	22	***	***	***
Q3...	14	59	26	16	69	15	44	55	2	2	60	38	1	79	20
Q4...	13	66	20	9	73	18	47	51	2	3	56	41	1	80	19
1999 Q1...	15	66	20	9	68	22	46	53	1	3	52	45	2	79	19
Q2...	14	66	20	10	73	17	31	66	3	3	67	30	1	86	13
III.A3 ELEVENTH (DALLAS) FEDERAL RESERVE DISTRICT (LA*, NM*, TX)															
1997 Q2...	18	54	29	4	69	27	13	71	16	16	66	17	1	79	20
Q3...	15	57	28	3	80	17	16	67	17	14	71	15	0	88	12
Q4...	16	58	26	3	74	24	21	60	19	15	64	21	0	82	18
1998 Q1...	14	62	24	3	76	21	16	71	13	14	69	16	2	86	13
Q2...	24	49	27	4	70	26	29	64	8	9	64	26	0	82	18
Q3...	28	50	22	5	71	24	52	45	3	3	51	46	1	73	26
Q4...	17	54	30	2	77	22	52	42	7	3	44	52	0	69	31
1999 Q1...	27	49	25	5	72	22	48	48	4	4	43	52	0	66	34
Q2...	23	63	14	2	73	25	26	62	12	9	60	31	0	74	26

FARM NONREAL ESTATE LENDING EXPERIENCE COMPARED WITH NORMAL CONDITIONS
 (PERCENTAGE OF BANKS REPORTING)

	DEMAND FOR LOANS			FUND AVAILABILITY			LOAN REPAYMENT RATE			RENEWALS OR EXTENSIONS			COLLATERAL REQUIRED		
	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER
III.A4 NINTH (MINNEAPOLIS) FEDERAL RESERVE DISTRICT (MI*, MN, MT, ND, SD, WI*)															
1997 Q2...	***	***	***	23	57	20	33	59	8	5	63	32	0	80	20
Q3...	***	***	***	23	65	12	31	61	8	1	72	18	1	81	18
Q4...	***	***	***	15	58	27	24	58	18	12	70	18	0	82	18
1998 Q1...	***	***	***	13	59	28	35	54	11	4	64	32	0	77	23
Q2...	***	***	***	15	66	19	44	52	4	3	61	36	2	70	28
Q3...	***	***	***	27	56	17	52	42	6	5	57	38	0	73	27
Q4...	***	***	***	12	63	24	45	46	8	2	59	39	0	75	25
1999 Q1...	***	***	***	8	71	21	56	34	10	6	47	45	0	74	26
Q2...	***	***	***	11	64	25	52	41	7	3	47	49	0	68	32
III.A5 FIFTH (RICHMOND) FEDERAL RESERVE DISTRICT (MD, NC, SC, VA, WV*)															
1997 Q2...	11	77	11	9	68	23	2	93	5	16	80	5	2	91	7
Q3...	15	73	12	2	76	22	7	88	5	10	85	5	0	83	17
Q4...	13	70	18	5	60	35	18	78	5	13	70	18	0	85	15
1998 Q1...	8	73	20	0	73	28	10	88	3	8	80	13	3	85	13
Q2...	13	73	13	6	71	23	16	77	6	6	74	19	0	81	19
Q3...	29	64	7	0	75	25	21	71	7	7	75	18	0	71	29
Q4...	19	68	13	3	65	32	35	55	10	10	55	35	0	71	29
1999 Q1...	41	59	0	3	69	28	24	76	0	7	72	21	0	68	32
Q2...	19	81	0	4	67	30	4	93	4	4	89	7	0	81	19

FEDERAL RESERVE BANK QUARTERLY SURVEYS OF AGRICULTURAL CREDIT CONDITIONS AT COMMERCIAL BANKS

TABLE III.B

FARM NONREAL ESTATE LOAN VOLUME EXPECTED DURING THE NEXT QUARTER, COMPARED WITH VOLUME OF LOANS MADE A YEAR EARLIER
(PERCENTAGE OF BANKS REPORTING)

	TOTAL			FEEDER CATTLE			DAIRY			CROP STORAGE			OPERATING			FARM MACHINERY		
	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER
III.B1 SEVENTH (CHICAGO) FEDERAL RESERVE DISTRICT (IL*, IN*, IA, MI*, WI*) AGRICULTURAL BANKS																		
1997 Q2...	12	55	33	22	64	13	22	69	9	17	65	18	7	52	41	22	53	25
Q3...	10	61	28	23	65	12	24	69	7	10	59	31	9	59	32	12	52	36
Q4...	9	54	37	24	69	8	24	69	7	12	62	26	5	49	46	11	53	36
1998 Q1...	11	51	38	33	61	6	22	67	11	13	64	23	7	43	50	17	56	27
Q2...	14	59	26	38	59	3	24	68	8	12	64	24	7	51	42	33	56	11
Q3...	21	39	40	38	52	10	20	71	9	12	33	55	9	39	52	68	27	5
Q4...	12	48	40	31	65	4	14	76	10	32	59	9	9	34	57	55	36	9
1999 Q1...	17	43	39	27	65	8	20	70	10	35	58	7	11	33	56	63	31	6
Q2...	22	50	28	29	65	6	19	73	9	36	51	13	11	43	46	65	30	5
III.B2 ELEVENTH (DALLAS) FEDERAL RESERVE DISTRICT (LA*, NM*, TX)																		
1997 Q2...	15	62	22	14	63	23	19	76	5	9	74	17	15	59	25	12	63	26
Q3...	14	68	18	15	62	24	17	81	2	13	67	21	12	66	22	16	63	21
Q4...	14	62	25	14	69	17	24	72	4	18	68	14	11	57	32	17	67	16
1998 Q1...	16	63	20	25	68	7	17	71	7	17	78	6	15	64	21	21	59	20
Q2...	30	51	19	34	58	8	20	79	0	10	76	15	23	53	23	32	58	10
Q3...	32	48	20	37	56	7	19	78	3	21	58	21	24	46	30	41	54	5
Q4...	26	49	25	34	53	13	15	78	6	17	68	14	23	49	28	40	50	10
1999 Q1...	29	50	21	21	64	14	15	79	5	15	76	9	23	50	26	43	49	8
Q2...	24	61	15	19	65	16	16	72	7	16	67	17	20	56	25	27	60	13
III.B3 FIFTH (RICHMOND) FEDERAL RESERVE DISTRICT (MD, NC, SC, VA, WV*)																		
1997 Q2...	8	80	13	16	81	3	17	80	3	15	76	9	5	80	16	5	75	20
Q3...	14	74	11	21	79	0	19	81	0	20	60	20	20	61	20	29	54	17
Q4...	7	77	17	13	83	4	20	70	10	17	79	3	8	66	26	18	66	16
1998 Q1...	8	75	17	20	76	4	9	87	4	13	81	6	8	74	18	18	70	13
Q2...	18	79	4	27	68	5	15	80	5	17	70	13	10	77	13	29	58	13
Q3...	15	69	15	0	95	5	21	79	0	19	62	19	11	71	18	43	46	11
Q4...	27	65	8	18	82	0	5	95	0	19	65	15	13	80	7	40	60	0
1999 Q1...	30	65	4	13	87	0	25	75	0	26	65	9	33	56	11	45	55	0
Q2...	39	57	4	20	80	0	37	53	11	30	60	10	44	52	4	44	52	4

FEDERAL RESERVE BANK QUARTERLY SURVEYS OF AGRICULTURAL CREDIT CONDITIONS AT COMMERCIAL BANKS
TABLE III.B (CONTINUED)

EXPECTED DEMAND FOR FARM LOANS DURING NEXT QUARTER,
COMPARED WITH NORMAL DEMAND
(PERCENTAGE OF BANKS REPORTING)

	FEEDER LIVESTOCK			OTHER INTERMEDIATE			FARM REAL ESTATE			OTHER OPERATING			FARM MACHINERY		
	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER	LOWER	SAME	HIGHER
III.B4 NINTH (MINNEAPOLIS) FEDERAL RESERVE DISTRICT (MI*, MN, MT, ND, SD, WI*)															
1997 Q1...	29	56	15	12	77	11	21	58	21	4	57	39	22	68	10
Q2...	32	52	17	12	79	9	28	61	11	6	64	30	18	75	7
Q3...	28	62	10	18	73	10	28	58	14	7	67	27	25	58	17
Q4...	31	63	7	18	75	7	24	60	16	7	74	19	24	63	14
1998 Q1...	38	58	4	18	72	9	26	56	18	8	65	27	22	63	15
Q2...	32	67	1	13	80	7	25	58	17	8	65	27	36	58	7
Q3...	38	50	13	37	55	9	33	52	15	9	58	34	59	37	4
Q4...	28	66	7	28	64	9	27	57	16	6	70	24	46	52	2
1999 Q1...	20	76	3	25	67	8	32	55	13	4	68	28	51	46	3
Q2...	26	64	9	36	51	13	32	49	19	11	57	32	61	33	5

FEDERAL RESERVE BANK QUARTERLY SURVEYS OF AGRICULTURAL CREDIT CONDITIONS AT COMMERCIAL BANKS
TABLE III.C

AVERAGE LOAN-TO-DEPOSIT RATIO AND OTHER INDICATORS OF RELATIVE CREDIT AVAILABILITY (PERCENTAGE OF BANKS REPORTING)

	AVERAGE LOAN-TO- DEPOSIT RATIO, END OF QUARTER PERCENT	LOAN/DEPOSIT RATIO IS			REFUSED OR REDUCED A FARM LOAN BECAUSE OF A SHORTAGE OF LOANABLE FUNDS	ACTIVELY SEEKING NEW FARM LOAN ACCOUNTS	NUMBER OF FARM LOAN REFERRALS TO							
		LOWER THAN DESIRED	AT DESIRED LEVEL	HIGHER THAN DESIRED			CORRESPONDENT BANKS				NONBANK AGENCIES			
							COMPARED WITH A YEAR EARLIER				COMPARED WITH A YEAR EARLIER			
		NONE	LOWER	SAME	HIGHER	NONE	LOWER	SAME	HIGHER	NONE	LOWER	SAME	HIGHER	
III.C1 SEVENTH (CHICAGO) FEDERAL RESERVE DISTRICT (IL*, IN*, IA, MI*, WI*) AGRICULTURAL BANKS														
1997 Q2...	70	47	32	21	***	***	***	***	***	***	***	***	***	
Q3...	70	43	34	23	***	***	***	***	***	***	***	***	***	
Q4...	71	44	36	21	***	***	***	***	***	***	***	***	***	
1998 Q1...	69	43	39	18	***	***	***	***	***	***	***	***	***	
Q2...	73	43	34	22	***	***	***	***	***	***	***	***	***	
Q3...	72	39	38	22	***	***	***	***	***	***	***	***	***	
Q4...	70	50	34	16	***	***	***	***	***	***	***	***	***	
1999 Q1...	70	58	27	14	***	***	***	***	***	***	***	***	***	
Q2...	72	49	35	15	***	***	***	***	***	***	***	***	***	
III.C2 TENTH (KANSAS CITY) FEDERAL RESERVE DISTRICT (CO, KS, MO*, NE, NM*, OK, WY) AGRICULTURAL BANKS														
1997 Q2...	65	72	9	34	2	89	82	8	87	5	73	9	82	9
Q3...	66	55	8	33	1	72	82	6	87	7	75	6	87	7
Q4...	66	51	7	31	1	69	78	7	88	6	73	9	83	8
1998 Q1...	66	54	8	27	1	70	78	7	89	4	70	8	82	10
Q2...	68	54	8	31	2	66	78	***	***	***	73	***	***	***
Q3...	68	53	8	32	3	63	79	7	88	5	74	6	80	13
Q4...	67	56	11	27	2	65	79	7	89	5	72	6	80	14
1999 Q1...	66	61	7	26	2	65	79	5	91	4	67	4	81	15
Q2...	66	59	8	26	1	68	80	7	88	5	66	8	79	13
III.C3 ELEVENTH (DALLAS) FEDERAL RESERVE DISTRICT (LA*, NM*, TX)														
1997 Q2...	52	***	***	***	2	***	***	12	85	3	***	12	81	7
Q3...	54	***	***	***	1	***	***	14	78	8	***	21	72	6
Q4...	50	***	***	***	1	***	***	9	84	7	***	12	80	8
1998 Q1...	49	***	***	***	0	***	***	18	75	8	***	17	69	14
Q2...	53	***	***	***	4	***	***	8	85	6	***	8	81	11
Q3...	53	***	***	***	1	***	***	9	86	4	***	6	81	13
Q4...	51	***	***	***	1	***	***	12	79	8	***	8	74	18
1999 Q1...	51	***	***	***	0	***	***	8	81	11	***	8	72	20
Q2...	51	***	***	***	1	***	***	10	83	8	***	8	73	19

FEDERAL RESERVE BANK QUARTERLY SURVEYS OF AGRICULTURAL CREDIT CONDITIONS AT COMMERCIAL BANKS

TABLE III.C (CONTINUED)

AVERAGE LOAN-TO-DEPOSIT RATIO AND OTHER INDICATORS OF RELATIVE CREDIT AVAILABILITY (PERCENTAGE OF BANKS REPORTING)

	AVERAGE LOAN-TO- DEPOSIT RATIO, END OF QUARTER PERCENT	LOAN/DEPOSIT RATIO IS			REFUSED OR REDUCED A FARM LOAN BECAUSE OF A SHORTAGE OF LOANABLE FUNDS	ACTIVELY SEEKING NEW FARM LOAN ACCOUNTS	NUMBER OF FARM LOAN REFERRALS TO							
		LOWER THAN DESIRED DESIRED	AT DESIRED LEVEL	HIGHER THAN DESIRED			CORRESPONDENT BANKS				NONBANK AGENCIES			
							COMPARED WITH NORMAL NUMBER				COMPARED WITH NORMAL NUMBER			
		NONE	LOWER	SAME	HIGHER	NONE	LOWER	SAME	HIGHER	NONE	LOWER	SAME	HIGHER	
III.C4 NINTH (MINNEAPOLIS) FEDERAL RESERVE DISTRICT (MI*, MN, MT, ND, SD, WI*)														
1997 Q2...	74	***	***	***	11	***	31+	60	9		32+	55	13	
Q3...	72	***	***	***	12	***	35	59	6		32	58	10	
Q4...	72	***	***	***	13	***	35	61	4		36	52	12	
1998 Q1...	73	***	***	***	7	***	34	62	4		28	58	14	
Q2...	74	***	***	***	12	***	29	66	5		27	62	11	
Q3...	74	***	***	***	10	***	27	67	6		24	64	12	
Q4...	71	56	15	29	9	***	7	85	7		7	81	11	
1999 Q1...	69	68	9	24	10	***	3	91	6		3	68	28	
Q2...	70	73	11	16	4	***	6	88	6		4	78	18	
III.C5 FIFTH (RICHMOND) FEDERAL RESERVE DISTRICT (MD, NC, SC, VA, WV*)														
1997 Q2...	74	39	49	12	2	82	91	0	9	0	86	0	14	0
Q3...	72	45	53	3	2	80	85	0	15	0	78	0	23	0
Q4...	73	41	51	8	0	73	87	0	13	0	74	0	15	10
1998 Q1...	72	46	41	14	0	78	92	0	8	0	83	3	8	6
Q2...	73	48	48	3	0	81	93	0	7	0	100	0	0	0
Q3...	72	62	35	4	0	70	96	0	4	0	85	0	11	4
Q4...	73	63	30	7	0	71	93	0	7	0	83	0	13	3
1999 Q1...	74	62	28	10	0	64	78	4	15	4	74	4	19	4
Q2...	73	54	42	4	0	74	88	8	4	0	84	8	8	0

+Beginning in 1994, Minneapolis omitted the response "none" for the number of referrals to either correspondent banks or nonbank agencies. The column that has been added combines responses that formerly would have been reported as either "none" or "low".

FEDERAL RESERVE BANK QUARTERLY SURVEYS OF AGRICULTURAL CREDIT CONDITIONS AT COMMERCIAL BANKS
TABLE III.D

INTEREST RATES ON FARM LOANS

MOST COMMON INTEREST RATE ON FARM LOANS

(AVERAGE, PERCENT)

	FEEDER CATTLE LOANS	OTHER OPERATING LOANS	INTER- MEDIATE NONREAL ESTATE	LONG-TERM REAL ESTATE LOANS
III.D1 SEVENTH (CHICAGO) FEDERAL RESERVE DISTRICT (IL*, IN*, IA, MI*, WI*) AGRICULTURAL BANKS				
1997 Q2...	9.7	9.7	***	8.8
Q3...	9.7	9.7	***	8.8
Q4...	9.6	9.6	***	8.7
1998 Q1...	9.5	9.5	***	8.4
Q2...	9.5	9.5	***	8.5
Q3...	9.4	9.4	***	8.3
Q4...	9.1	9.1	***	8.1
1999 Q1...	9.0	9.0	***	8.1
Q2...	9.1	9.1	***	8.2
III.D2 TENTH (KANSAS CITY) FEDERAL RESERVE DISTRICT (CO, KS, MO*, NE, NM*, OK) AGRICULTURAL BANKS				
1997 Q2...	9.9	10.1	9.9	9.5
Q3...	9.9	10.1	9.9	9.4
Q4...	9.8	9.9	9.3	9.3
1998 Q1...	9.8	9.9	9.8	9.2
Q2...	9.8	9.9	9.8	9.2
Q3...	9.7	9.8	9.7	9.1
Q4...	9.4	9.6	9.4	8.8
1999 Q1...	9.4	9.5	9.3	8.7
Q2...	9.8	9.9	9.5	8.9

INTEREST RATES ON FARM LOANS

MOST COMMON INTEREST RATE ON FARM LOANS (AVERAGE, PERCENT)				
	FEEDER CATTLE LOANS	OTHER OPERATING LOANS	INTER- MEDIATE NONREAL ESTATE	LONG-TERM REAL ESTATE LOANS
III.D3 NINTH (MINNEAPOLIS) FEDERAL RESERVE DISTRICT (MI*, MN, MT, ND, SD, WI*)				
1997 Q2...	***	10.0	10.1	9.6
Q3...	***	9.8	9.7	9.3
Q4...	***	10.0	10.0	9.4
1998 Q1...	***	9.9	9.8	9.4
Q2...	***	9.9	9.8	9.7
Q3...	***	9.8	9.7	9.6
Q4...	***	9.6	9.5	8.8
1999 Q1...	***	9.5	9.4	8.6
Q2...	***	9.5	9.4	8.7
III.D4 ELEVENTH (DALLAS) FEDERAL RESERVE DISTRICT (LA*, NM*, TX)				
1997 Q2...	10.6	10.7	10.5	10.0
Q3...	10.5	10.6	10.4	9.7
Q4...	10.5	10.6	10.4	9.7
1998 Q1...	10.5	10.5	10.4	9.7
Q2...	10.4	10.5	10.2	9.6
Q3...	10.3	10.4	10.2	9.6
Q4...	9.9	10.1	9.9	9.3
1999 Q1...	9.9	10.0	9.8	9.2
Q2...	10.0	10.0	9.8	9.3
III.D5 FIFTH (RICHMOND) FEDERAL RESERVE DISTRICT (MD, NC, SC, VA, WV*)				
1997 Q2...	9.8	9.8	9.8	9.6
Q3...	10.0	9.8	9.9	9.5
Q4...	9.8	9.7	9.6	9.2
1998 Q1...	9.9	9.7	9.4	9.2
Q2...	9.8	9.6	9.3	9.2
Q3...	9.5	9.2	9.1	9.0
Q4...	9.3	9.0	8.9	8.7
1999 Q1...	9.2	9.0	8.9	8.6
Q2...	9.4	9.3	8.9	8.6

FEDERAL RESERVE BANK QUARTERLY SURVEYS OF AGRICULTURAL CREDIT CONDITIONS AT COMMERCIAL BANKS
TABLE III.E

TRENDS IN FARM REAL ESTATE VALUES AND LOAN VOLUME

	MARKET VALUE OF GOOD FARMLAND									EXPECTED TREND IN FARM REAL ESTATE LOAN VOLUME DURING THE NEXT QUARTER, COMPARED TO YEAR EARLIER (PERCENTAGE OF BANKS)				
	PERCENTAGE CHANGE DURING QUARTER			PERCENTAGE CHANGE FROM A YEAR EARLIER				TREND EXPECTED DURING THE NEXT QUARTER (PERCENTAGE OF BANKS)			LOWER	SAME	HIGHER	
	ALL	DRY-LAND	IRRI-GATED	RANCH-LAND	ALL	DRY-LAND	IRRI-GATED	RANCH-LAND	DOWN	STABLE				UP
III.E1 SEVENTH (CHICAGO) FEDERAL RESERVE DISTRICT (IL*, IN*, IA, MI*, WI*) AGRICULTURAL BANKS														
1997 Q2...	1	***	***	***	8	***	***	***	8	64	27	20	63	17
Q3...	2	***	***	***	7	***	***	***	2	60	38	12	62	26
Q4...	2	***	***	***	10	***	***	***	2	62	36	11	62	27
1998 Q1...	2	***	***	***	10	***	***	***	10	76	15	17	57	26
Q2...	0	***	***	***	8	***	***	***	17	67	16	25	61	14
Q3...	-1	***	***	***	4	***	***	***	51	40	9	45	47	8
Q4...	0	***	***	***	1	***	***	***	43	50	8	31	53	16
1999 Q1...	0	***	***	***	0	***	***	***	41	50	9	30	54	17
Q2...	1	***	***	***	0	***	***	***	45	47	8	36	54	9
III.E2 FIFTH (RICHMOND) FEDERAL RESERVE DISTRICT (MD, NC, SC, VA, WV*)														
1997 Q2...	3	***	***	***	4	***	***	***	5	77	18	9	80	11
Q3...	12	***	***	***	13	***	***	***	5	80	15	13	79	8
Q4...	5	***	***	***	41	***	***	***	5	88	8	18	77	5
1998 Q1...	-1	***	***	***	19	***	***	***	3	74	23	16	70	14
Q2...	3	***	***	***	20	***	***	***	10	81	10	20	67	13
Q3...	-10	***	***	***	-4	***	***	***	7	89	4	29	61	11
Q4...	6	***	***	***	-3	***	***	***	13	81	6	34	66	0
1999 Q1...	2	***	***	***	1	***	***	***	3	83	14	36	64	0
Q2...	5	***	***	***	2	***	***	***	4	78	19	31	65	4
III.E3 ELEVENTH (DALLAS) FEDERAL RESERVE DISTRICT (LA*, NM*, TX)														
1997 Q2...	***	-1	0	2	***	3	3	4	***	***	***	12	72	17
Q3...	***	-0	0	-3	***	1	5	1	***	***	***	10	77	13
Q4...	***	2	1	4	***	2	5	1	***	***	***	15	69	16
1998 Q1...	***	-1	-1	-1	***	-0	1	2	***	***	***	12	73	15
Q2...	***	1	2	7	***	2	2	7	***	***	***	23	67	10
Q3...	***	-2	0	6	***	0	3	16	***	***	***	27	66	7
Q4...	***	1	5	9	***	-0	6	21	***	***	***	26	60	13
1999 Q1...	***	2	-2	-4	***	3	5	18	***	***	***	28	61	10
Q2...	***	3	-3	-5	***	4	0	5	***	***	***	19	64	17

FEDERAL RESERVE BANK QUARTERLY SURVEYS OF AGRICULTURAL CREDIT CONDITIONS AT COMMERCIAL BANKS
TABLE III.E (CONTINUED)

TRENDS IN FARM REAL ESTATE VALUES AND LOAN VOLUME

MARKET VALUE OF GOOD FARMLAND										EXPECTED DEMAND FOR FARM REAL ESTATE LOANS DURING THE NEXT QUARTER, COMPARED WITH NORMAL (PERCENTAGE OF BANKS)					
PERCENTAGE CHANGE DURING QUARTER				PERCENTAGE CHANGE FROM A YEAR EARLIER				TREND EXPECTED DURING THE NEXT QUARTER (PERCENTAGE OF BANKS)							
ALL	DRY- LAND	IRRI- GATED	RANCH- LAND	ALL	DRY- LAND	IRRI- GATED	RANCH- LAND	DOWN	STABLE	UP	LOWER	SAME	HIGHER		
III.E4 TENTH (KANSAS CITY) FEDERAL RESERVE DISTRICT (CO, KS, MO*, NE, NM*, OK, WY)															
1997	Q2...	***	1	1	1	***	5	6	9	***	***	***	***	***	
	Q3...	***	1	1	3	***	4	6	9	***	***	***	***	***	
	Q4...	***	2	1	0	***	5	5	7	***	***	***	***	***	
1998	Q1...	***	2	3	3	***	6	7	7	***	***	***	***	***	
	Q2...	***	0	0	3	***	6	5	9	***	***	***	***	***	
	Q3...	***	-1	-1	-2	***	4	3	5	***	***	***	***	***	
	Q4...	***	-1	-1	0	***	1	1	5	***	***	***	***	***	
1999	Q1...	***	0	0	-0	***	-1	-1	1	***	***	***	***	***	
	Q2...	***	0	1	0	***	-1	-1	-2	***	***	***	***	***	
III.E5 NINTH (MINNEAPOLIS) FEDERAL RESERVE DISTRICT (MI*, MN, MT, ND, SD, WI*)															
1997	Q2...	***	***	***	***	***	2	4	4	***	***	***	28	61	11
	Q3...	***	***	***	***	***	4	3	2	***	***	***	28	58	14
	Q4...	***	***	***	***	***	3	3	3	***	***	***	24	60	16
1998	Q1...	***	***	***	***	***	7	6	7	***	***	***	26	56	18
	Q2...	***	***	***	***	***	5	3	5	***	***	***	25	58	17
	Q3...	***	***	***	***	***	3	2	5	***	***	***	33	52	15
	Q4...	***	***	***	***	***	3	-0	2	***	***	***	27	57	16
1999	Q1...	***	***	***	***	***	3	-1	1	***	***	***	32	55	13
	Q2...	***	***	***	***	***	4	2	4	***	***	***	32	49	19