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ANALYSIS OF 1982 CENSUS OF AGRICULTURE

AND

FEED CONSUMPTION ESTIMATES

BY MINNESOTA COUNTY

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The census of agriculture is taken to obtain information on the agricultural sectors activity. This information can be useful in the evaluation of the problems and challenges faced in agriculture. The main purpose of this publication, is to present information from the 1982 Census of Agriculture in a practical form, and then make estimates on feed consumption and available stocks of feed grains for Minnesota.

All information is listed by Minnesota Crop Reporting Districts (CRD). A State total of the nine CRD is also included. A listing of each county by CRD can be found in Appendix A. Four tables are presented for each area and are as follows:

- a). Livestock and Poultry
- b). Crops Harvested
- c). Estimated Feed Consumption
- d). Estimated Surplus (Deficit) of Feed Grains

Data found in tables a and b under Livestock and Poultry and Crops Harvested was obtained from the 1982 Census of Agriculture - Preliminary Report, published by the U.S. Department of Commerce; Bureau of the Census, for the State of Minnesota and its counties. This data is subject to revision. Final data will be published in the Volume 1, Geographic Area Series for Minnesota in the near future. The definitions used for Livestock and Poultry are as follows:

All Cattle: Total number of cattle and calves of all ages as of Dec.31, 1982.

Beef Cows: Any cows that were not kept for the production of milk for sale or for home use.

Milk Cows: Cows of any breed kept for the production of milk for sale or for home use.

Feed Cattle: Cattle that were sold for slaughter after being fattened on grain or concentrates for 30 days or more.

Hogs: Total number of hogs and pigs sold in 1982.

Laying Hens: Hens in molt and other hens and pullets of laying age as of December 31, 1982.

Broilers: Broilers, cornish hens, and other meat type chickens sold in 1982.

Turkeys: Total numbers of turkeys sold in 1982.

The data for Crops Harvested includes the total area and quantities harvested (by any method) during the year 1982. Methods of harvest include; cutting, picking, digging, stripping etc., by hand or machinery. If more than one crop was harvested from the same area, the total area was reported for each. Appendix B contains weights, measures, and conversion factors appropriate for various crops. Reported crops include:

Corn	Barley	Rye	Sunflower
Wheat	Oats	Flax	Soybean

The Estimated Feed Rations were provided through related research within the Department of Agricultural and Applied Economics, under the direction of Dr. Jerry Fruin.

Estimated for Feed Consumption were obtained by multiplying the Livestock and Poultry figures and the appropriate estimated ration (see Appendix C).

The difference between the total feed grain produced and the estimated consumption yields the surplus (deficit) of Feed Grain per CRD (for corn, wheat, barley and oats). The following symbols are used throughout the tables: (N) negligible, (D) withheld to avoid disclosing data for individual farms. The non-disclosed county data is included in the State totals.

When using this data, as with any data that is derived from survey and estimations, caution must be used in its application. The following items clearly deserve special attention. The 1982 Census of Agriculture was conducted by mail. A major problem with this type of enumeration is developing a complete list of all farms. The 1978 Census of Agriculture failed to include about 11% of all farms on its mailing list. The Bureau of the Census will address many areas of concern in two publications, due out in 1985. The first, Volume 2. Subject Series 2; - is a coverage evaluation which will present estimates of completeness of the census, and the second, Volume 3. Subject Series 3; - is a procedural history.

Table 1a  
 1982 Census of Agriculture  
 Livestock and Poultry  
 Minnesota Crop Reporting District 1

COUNTY & CRD	ALL CATTLE	BEEF COWS	MILK CONS	FEED CATTLE	HOGS	SHEEP LAMB	HORSES PONYS	LAYING HENS	BROILERS	TURKEYS
BECKER	46468	7133	13859	2362	28932	2490	704	13307	1990	1118010
CLAY	26403	6796	4253	4579	22250	3422	422	654563	1666	D
CLEARWATER	26131	9476	3138	1066	13911	3421	522	D	D	D
KITTSON	13189	5941	714	560	D	2889	257	1093	D	D
MAHONMEN	15006	3846	3331	1101	13122	867	268	D	585	D
MARSHALL	21818	6193	2651	3302	17669	3665	366	2661	782	D
NORMAN	20662	4128	3606	4048	15551	731	283	D	920	D
PENNINGTON	14733	3753	3013	987	11642	4530	237	D	D	D
POLK	40529	10802	5991	9148	24466	6862	641	D	1465	D
RED LAKE	13878	3557	2866	725	10511	1204	161	D	958	D
ROSEAU	31298	9404	5397	1310	13715	5705	533	13552	1050	681985
NORTHWEST (1)	270115	71029	48819	29188	171769	35786	4394	685176	9416	1799995

Table 1b

1982 Census of Agriculture  
Crops Harvested  
Minnesota Crop Reporting District 1  
(1000 units)

COUNTY & CRD	CORN ACRES	CORN BUSHELS	WHEAT ACRES	WHEAT BUSHELS	BARLEY ACRES	BARLEY BUSHELS	DATE ACRES	DATE BUSHELS	RYE ACRES	RYE BUSHELS	FLAX ACRES	FLAX BUSHELS	SUNFLOW ACRES	SUNFLOW LBS.	SUNFLOW BUSHELS	SOYBEAN ACRES	SOYBEAN BUSHELS
BECKER	13.7	928.9	56.2	2204.8	39.7	2222.8	29.1	1236.2	2.1	61.9	.7	6.6	18	23383	6.4	175.5	
CLAY	29.8	2265.7	195.2	8128.2	79.7	4893.8	20.4	1310.5	1.6	65.6	1.7	19.8	40.3	51087.7	46.2	1194.7	
CLEARWATER	2	128.8	7.5	183.5	3.4	131.1	13	593.1	.7	20.5	.1	.9	1.7	1885.4	.2	1.9	
KITSON	1.4	62.9	220.9	8612.2	44.3	2615.5	13.9	729.4	6.2	199	1.7	28.9	18.6	12808.6	1.4	20.6	
MAHONIE	3.1	166.9	36.6	1396.3	39.6	2281.5	10	618.4	.6	17.8	N	N	16.8	23411.9	1.1	24.4	
MARSHALL	10.3	524.2	350.6	12296.4	82.7	4377.7	25.6	1474.3	5.6	177.9	4.2	43.9	42.2	36563.1	16.6	195.3	
NORMAN	10.7	704.9	170.8	7266.4	90.3	5617.3	28.2	1291.2	1.9	102.1	.2	3.6	60.7	78339.1	12.5	330.9	
PENNINGTON	3.7	204.1	87.1	2497.4	38.6	1838.9	18.5	1011.5	.9	30.8	1.6	15.4	26.4	28800.1	1	19.9	
POPK	18.4	980.5	390.4	16388.7	136.3	8204.4	17.9	1008.7	2.5	81.8	1.7	26.5	76.2	76389.6	22.7	458.5	
RED LAKE	6.2	316.8	53.4	1523.6	21.9	1019.9	6.1	288.3	.3	8.2	.7	7.4	19.5	16885.1	3.2	48.7	
ROSEAU	2.1	150.1	140.8	5876.6	31.9	1768.9	39.9	2488.7	3.9	116.7	18.3	268.1	36.1	36183.6	.8	22.7	
NORTHWEST (1)	101.4	6433.8	1729.5	46246.1	608.4	31976.4	214.6	12828.3	26.3	882.3	30.9	410.1	368.5	376137	112.1	2493.1	



Table 1c  
 Estimated  
 Feed Consumption  
 Minnesota Crop Reporting District 1

COUNTY & CRD	CORN		OATS		WHEAT		BARLEY		PROTEIN - 40% SOYBEAN	
	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	EQUIVALENT LBS.	EQUIVALENT LBS.
BECKER	1 964 969	534 887	9950	7 442 49	3 966 8848					
CLAY	1 289 861	2 905 50	N	4 330 78	2 332 5290					
CLEARWATER	4 058 90	1 666 49	N	2 596 15	7 032 653					
KITSON	1 029 52	5 613 0	N	9 584 0	1 892 971					
MAHONEN	3 518 62	1 392 66	N	2 166 91	5 889 502					
MARSHALL	4 486 87	1 573 30	N	3 086 63	7 293 695					
NORMAN	4 670 71	1 728 04	N	3 496 95	7 454 978					
PENNINGTON	3 319 84	1 376 27	N	2 106 62	5 545 542					
POLK	8 360 20	3 165 52	N	6 834 07	1 307 2611					
RED LAKE	2 967 18	1 209 06	N	1 845 98	5 054 540					
ROSEAU	10 551 47	2 576 66	6 070	3 659 86	21 995 650					
<b>NORTHWEST (1)</b>	<b>7 551 161</b>	<b>23 503 67</b>	<b>16 020</b>	<b>3 852 484</b>	<b>13 822 6280</b>					

Table 1d  
 Estimated  
 Surplus (Deficit) of Feed Grains  
 Minnesota Crop Reporting District 1

COUNTY & CRD	NET CORN (BUSHEL)	NET WHEAT (BUSHEL)	NET BARLEY (BUSHEL)	NET OATS (BUSHEL)
BECKER	-1036069	2194850	1478551	699313
CLAY	975839	8128200	4460322	1019950
CLEARWATER	-277090	183500	-128515	426451
KITTSON	-40052	8612200	2519660	673270
MAHONMEN	-184962	1396300	2064809	475134
MARSHALL	75513	12296400	4069037	1316970
NORHAN	237829	7266400	5267605	1118396
PENNINGTON	-127884	2449400	1628238	873873
POLK	144480	16308700	7525993	692148
RED LAKE	20082	1523600	835302	147394
ROSEAU	-905047	5870530	1402914	2227034
<b>NORTHWEST (1)</b>	<b>-1117361</b>	<b>66230080</b>	<b>31123916</b>	<b>9669933</b>

Table 2a

1982 Census of Agriculture  
Livestock and Poultry  
Minnesota Crop Reporting Districts 2&3

COUNTY & CRD	ALL	BEEF	MILK	FEED	HOGS	SHEEP	LAYING	BROILERS	TURKEYS
	CATTLE	COWS	COWS	CATTLE	CATTLE	LAMB	HENS		
BELTRAMI	26 969	8507	4522	462	13464	4053	3081	895	28
CASS	26 986	9065	5317	877	20683	2058	3581	367	D
HUBBARD	10492	3344	1470	439	21968	3103	3272	1596	D
ITASCA	13886	5542	1635	300	9946	525	2539	625	D
KOOCHICING	7309	2341	946	161	1909	925	2270	180	D
LAKE OF THE WOODS	6366	2415	656	150	3567	851	D	148	D
<b>NORTH CENTRAL (2)</b>	<b>92008</b>	<b>31214</b>	<b>14546</b>	<b>2389</b>	<b>71537</b>	<b>11515</b>	<b>14743</b>	<b>3811</b>	<b>28</b>
COOK	115	D	D	D	D	D	D	D	D
LAKE	508	237	9	28	12	D	295	D	D
ST. LOUIS	17852	4803	3332	345	4875	441	D	6004	2419
<b>NORTHEAST (3)</b>	<b>18475</b>	<b>5040</b>	<b>3341</b>	<b>373</b>	<b>4887</b>	<b>441</b>	<b>295</b>	<b>6004</b>	<b>2419</b>

Table 2b

1982 Census of Agriculture  
Crops Harvested  
Minnesota Crop Reporting Districts 2 & 3  
(1000 units)

CORN WHEAT WHEAT BARLEY BARLEY OATS OATS RYE RYE FLAX FLAX SUNFLOWER SUNFLOWER SOYBEAN SOYBEAN  
ACRES BUSHELS ACRES BUSHELS ACRES BUSHELS ACRES BUSHELS ACRES BUSHELS ACRES BUSHELS ACRES LBS. ACRES BUSHELS

COUNTY & CRD

BELTRAMI	4.6	226.2	0.5	231.0	4.9	210.1	14.7	649.9	1.0	54	.3	1.6	1.8	1272.3	.1	3.5
CASS	5	323.9	.4	12.0	.2	4.6	4.6	182.2	N	1.1	N	N	D	D	.8	15.3
HUBBARD	6.9	480.6	1.9	72.9	3.3	157.2	7.3	216.3	.2	7.6	N	N	.8	398.3	.4	7.6
ITASCA	1	76.1	.4	8.0	.2	0	3.3	129.7	.1	3.2	N	N	D	D	.1	.0
KOOCHICUNG	.3	D	4.9	144.5	.9	31.6	5.1	254.3	D	0	.2	2.4	.6	350.4	N	N
LAKE OF THE WOODS	0	D	17.7	568.9	3.7	166.7	5.9	333.6	0	0	2.3	48.0	1.6	1720.1	D	D
NORTH CENTRAL (2)	17.8	1106.8	33.8	1039.7	13.2	578.2	40.9	1766	2.1	65.9	2.8	52.8	4.8	3241.1	1.4	27.2

COOK	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
LAYE	N	N	N	N	N	0	N	.4	N	N	N	N	N	N	N	N
ST. LOUIS	.5	19.4	.6	14.5	.9	35.9	5.5	156.9	0	0	0	0	N	N	.3	11

NORTHEAST (3)	.5	19.4	.6	14.5	.9	35.9	5.5	157.3	D	D	D	D	N	N	.3	11
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Table 2c  
 Estimated  
 Feed Consumption  
 Minnesota Crop Reporting Districts 2 & 3

COUNTY & CRD	CORN		OATS		WHEAT		BARLEY		PROTEIN - 40% SOYBEAN	
	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	EQUIVALENT LBS.	EQUIVALENT LBS.
BELTRAMHI	467371	210672	N	291436	8006226					
CASS	568924	235292	N	326961	9539244					
HUBBARD	342648	96899	N	139274	5700364					
ITASCA	233583	87380	N	126971	4066375					
KOOCHICHING	100802	48253	N	69780	1757429					
LAKE OF THE WOODS	94438	37766	N	56837	1660263					
NORTH CENTRAL (2)	1807766	716262	N	1011259	30729901					
COOK	1060	590	N	806	16185					
LAKE	4645	2446	N	3323	65725					
ST. LOUIS	303609	153656	22	200644	4884799					
NORTHEAST (3)	309314	156692	22	204773	4966709					

Table 2d  
 Estimated  
 Surplus (Deficit) of Feed Grains  
 Minnesota Crop Reporting Districts 2 & 3

COUNTY & CRD	NET CORN (BUSHELS)	NET WHEAT (BUSHELS)	NET BARLEY (BUSHELS)	NET OATS (BUSHELS)
BELTRAMI	-241171	231800	-81336	439228
CASS	-245024	12800	-322361	-53092
HUBBARD	137952	72900	17926	119401
ITASCA	-157483	8800	-118971	42320
KOOCHICHING	-100802	144500	-38180	206047
LAKE OF THE WOODS	-94438	568900	109863	295834
NORTH CENTRAL (2)	-700966	1039700	-433059	1049738
COOK	-1060	N	-806	-590
LAKE	-4645	N	-3323	-2046
ST. LOUIS	-284209	14478	-164744	3244
NORTHEAST (3)	-289914	14478	-168873	608

Table 3a

1982 Census of Agriculture  
Livestock and poultry  
Minnesota Crop reporting District 4

COUNTY & CRD	ALL CATTLE	BEEF COWS	MILK COWS	FEED CATTLE	HOGS	SHEEP LAMB	SHEEP HORSES	LAYING HENS	BROILERS	TURKEYS
BIG STONE	15809	3466	2572	4779	64713	1103	199	D	2180	D
CHIPPEWA	14173	2985	2167	7501	105349	2077	246	15584	2367	D
DOUGLAS	51315	5248	17438	3734	59130	1341	415	10356	43600	122020
GRANT	15997	1989	2781	5738	40239	3248	187	D	1167	D
LAC QUI PARLE	32634	6474	3118	15186	136889	1579	329	D	1994	D
OTTER TAIL	140555	14262	45937	9780	106789	8007	1651	D	6728	2616863
POPE	48285	5596	13777	7080	49496	972	1686	85946	1558	D
STEVENS	33314	3522	1424	31307	112842	2231	168	D	1798	D
SWIFT	27434	4650	4173	9789	67444	2044	389	39182	D	D
TRAVERSE	12781	2199	1098	6919	28324	2420	158	D	208	D
WILKIN	6785	1205	1364	1811	42380	230	225	D	1057	D
YELLOW MEDICINE	33565	5826	3306	17200	143460	2456	373	10124	2841	236012
WEST CENTRAL (4)	432647	57422	99155	120824	957055	27708	6026	161192	65498	2974895

Table 3b

1982 Census of Agriculture  
Crops Harvested  
Minnesota Crop Reporting District 4  
(1000 units)

COUNTY & CRO	CORN ACRES	CORN BUSHEL	WHEAT ACRES	WHEAT BUSHEL	BARLEY ACRES	BARLEY BUSHEL	OATS ACRES	OATS BUSHEL	RYE ACRES	RYE BUSHEL	FLAX ACRES	FLAX BUSHEL	SUNFLWR ACRES	SUNFLWR LBS.	SOYBEAN ACRES	SOYBEAN LBS.
BIG STONE	42.9	3645.5	76.2	2385.1	8.7	413.3	15.6	1047.4	1	35.7	1.2	16.9	8.6	12416.5	56.4	1532.6
CHIFFEWA	90.3	9603.4	60.4	2724.9	1.6	62.7	11	887.8	W	1.1	W	W	2.8	3631.5	95.7	3258.8
DUNGLAS	46.5	3613.7	22.7	668.7	6.3	282.1	45.2	2615.2	.5	18.2	.3	4.4	.8	1829.9	20.3	553.1
GRANT	29.2	2739.6	87.5	3197	30.5	1724.4	10.1	686.3	.7	24.1	.2	3.4	8.6	12338	69.2	2092.4
LAC QUI PARLE	101.1	8596.9	84.6	3018.5	.9	51.1	17.1	1164.6	.4	14.6	.2	3.3	.5	638	125.8	3582.3
OTTER TAIL	114.8	8618.3	70.8	2520.3	31.9	1604.1	96.1	5024	2.9	89.5	1.1	16.8	8.6	10334.4	39.5	1209.1
POPE	78.3	7377.5	30.6	1131.2	3.6	197.6	37.9	2351.3	.8	20.6	.2	4	1.3	1836.6	45.3	1349.2
SIEVENS	71.3	7205.7	79.4	2981.9	19.2	1056.2	16.5	1213.4	.4	18.5	.1	2.4	9.2	14463.3	64.9	2024.9
SWIFT	126.4	13337.1	65.7	2383.9	2.5	145.9	19	1297.3	.7	25.3	.1	2.9	6.1	8594.2	104.9	3349.5
TRAVERSE	28.1	2129.4	116.9	4154.5	32	1749.8	9.8	622.2	1.1	45.1	2.1	34.6	15.5	20445.3	77.2	1988.3
WILKIN	38.5	3283.4	146.3	5845.4	51.9	3000.4	7.8	499.9	.4	12.9	.3	6.7	24.2	33725	74.3	2211.3
YELLOW MEDICINE	141.5	14909.7	49.5	1843.5	.6	30.2	13.2	1004	8	8	.3	6.6	1	1720	142.3	5135.4
WEST CENTRAL (4)	908.9	85060.2	890.6	32554.9	189.7	10317.8	299.3	18443.4	8.9	305.6	6.1	104	87.2	120672.7	915.8	28286.9



Table 3c  
 Estimated  
 Feed Consumption  
 Minnesota Crop Reporting District 4

COUNTY & CRD	CORN		OATS		WHEAT		BARLEY		PROTEIN - 40% SOYBEAN	
	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	EQUIVALENT LBS.	EQUIVALENT LBS.
DIG STONE	1189991	58499							18326	13137530
CHIPPEWA	1691687	59995							25605	19137357
DOUGLAS	2612656	251012		1086					41538	28302877
GRANT	1030012	56945							14090	10057757
LAC QUI PARLE	2572008	93330							34757	26815936
OTTER TAIL	8161582	716508		23290					103573	109796370
POPE	2387192	236666							41288	23830175
STEVENS	2981275	48222							25182	24581258
SWIFT	1719617	92687							23525	17266717
TRAVERSE	801711	29518							8670	6974812
WILKIN	668773	34381							11721	7881199
YELLOW MEDICINE	2946682	102366		21006					36620	32824180
WEST CENTRAL (4)	28763186	1780129		45382					384895	320606168

Table 3d  
 Estimated  
 Surplus (Deficit) of Feed Grains  
 Minnesota Crop Reporting District 4

COUNTY & CRD	NET CORN (BUSHELS)	NET WHEAT (BUSHELS)	NET BARLEY (BUSHELS)	NET OATS (BUSHELS)
BIG STONE	2455509	2385100	394974	988901
CHIPPEWA	7911713	2424900	37095	827805
DOUGLAS	1001044	667614	240562	2394188
GRANT	1709588	3197000	1710310	629355
LAC QUI PARLE	6024892	3018500	16343	1071270
OTTER TAIL	456718	2497010	1500527	4307492
POPE	4990308	1131200	156312	2114634
STEVENS	4224425	2981900	1031018	1165178
SWIFT	11617483	2383900	122375	1204613
TRAVERSE	1327689	4154500	1741130	592682
WILKIN	2614627	5845400	2988679	465519
YELLOW MEDICINE	11963018	1822494	-6420	901634
WEST CENTRAL (4)	56297014	32509518	9932905	16663271

Table 4a  
 1982 Census of Agriculture  
 Livestock and Poultry  
 Minnesota Crop Reporting District 5

COUNTY & CRD	ALL	BEEF	MILK	FEED	HOGS	SHEEP	LAYING	BROILERS	TURKEYS
	CATTLE	COWS	COWS	CATTLE	CATTLE	LAMB	HENS		
BENTON	44504	3825	16475	2992	73750	376	D	5252980	D
CARVER	55294	2278	22849	4938	58087	1286	75332	1713	D
KANDIYOHI	44684	3609	12090	13269	135912	2047	21626	1667	3215208
MCLEOD	46833	1822	19600	4742	77643	689	D	3602	D
MEEKER	45148	3295	15461	6874	161761	3240	D	2805	1761382
MORRISON	83492	7653	31529	2635	105637	1181	1046918	3209637	1733175
RENVILLE	34017	4820	6014	18280	225694	11944	D	3467	D
SCOTT	31834	2879	11316	4829	42195	988	14999	4149	D
SHERBURN	15087	2186	3491	2630	43310	1934	D	D	D
SIBLEY	47472	2881	15663	9773	167724	3010	D	D	18
STEARNS	173338	6809	71604	14201	241184	1843	D	2749839	3413162
TODD	88252	6689	35596	2397	96296	3208	D	3227	2143223
WADENA	28219	4348	9080	663	23797	4540	23189	D	864001
WRIGHT	67745	5022	25200	5709	87493	2366	109231	365815	D
CENTRAL (5)	805919	58116	295968	93932	1540483	38652	1291295	11598901	13130169



Table 4c  
Estimated  
Feed Consumption  
Minnesota Crop Reporting District 5

COUNTY & CRD	CORN		OATS		WHEAT		BARLEY		PROTEIN - 40% SOYBEAN	
	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	EQUIVALENT LBS.	EQUIVALENT LBS.
BENTON	2997589	232449	N	42060	42078302					
CARVER	3075505	311130	N	50536	31213609					
KANDIYOHI	5687925	265553	28615	49575	93393708					
MCLEOD	2857892	261718	N	46797	29372313					
MEEKER	4801748	279369	15676	58466	71387654					
MORRISON	6958974	590904	15425	93675	108304240					
RENVILLE	3874520	147136	N	57027	42174136					
SCOTT	1794712	173121	N	31372	17610788					
SHERBURNE	960641	70616	N	16726	10449393					
SIBLEY	3712432	243962	N	58782	10198414					
STEARNS	12700755	1008994	30377	160558	172340049					
TODD	6105570	534460	19074	80937	86087782					
WADENA	1878479	159212	7689	22935	28867235					
WRIGHT	3783570	380306	N	65957	40202032					
CENTRAL (5)	61190312	4658930	116856	835403	783679655					

Table 4d  
 Estimated  
 Surplus (Deficit) of Feed Grains  
 Minnesota Crop Reporting District 5

COUNTY & CRD	NET CORN (BUSHEL) (BUSHEL)	NET WHEAT (BUSHEL) (BUSHEL)	NET BARLEY (BUSHEL) (BUSHEL)	NET OATS (BUSHEL) (BUSHEL)
BENTON	915511	9100	-29060	583751
CARVER	1649295	117900	-48436	497970
KANDIYOHI	8233675	861085	-49575	1362247
MCLEOD	5174308	561900	-43697	888982
NEEKER	6731652	481324	-48266	915231
MORRISON	-2543674	1075	-83575	805396
RENVILLE	16880280	2248600	-57027	975264
SCOTT	2389488	136000	-27372	353379
SHERBURNE	1857959	0	-15126	66484
SIBLEY	7685568	634000	-58782	886438
STEARNS	1303145	148223	-79658	4425606
TODD	-1071870	56526	-12437	1508340
WADENA	-698279	-2889	3665	270188
WRIGHT	3813230	143900	-58557	988494
<b>CENTRAL (5)</b>	<b>52320288</b>	<b>5396744</b>	<b>-607903</b>	<b>14527770</b>

Table 5a

1982 Census of Agriculture  
Livestock and Poultry  
Minnesota Crop Reporting District 6

COUNTY & CRD	ALL CATTLE	BEEF COWS	MILK COWS	FEED CATTLE	HOGS	SHEEP		LAYING HENS	BROILERS	TURKEYS
						LAMB	PONYS			
AITKIN	20029	5567	4424	242	6313	522	555	14350	1110	804008
ANOKA	6726	1468	1577	734	14730	339	860	4954	1088	D
CARLTON	18453	3431	5611	233	426	382	681	2201	645	D
CHISAGO	27170	3797	8273	1749	19808	841	915	17897	1982	337608
CROW WING	16452	4605	3644	723	11402	1383	606	13210	D	257617
HENNEPIN	20798	2106	7501	2213	21329	600	1763	21563	835	D
ISANTI	17397	2363	5387	1238	39582	925	734	19744	804	D
KANABEC	35588	6503	9897	1387	20050	1411	756	2377	573	10
MILLE LACS	36117	3289	12686	2706	18892	879	656	31191	D	D
PINE	47268	6859	14623	1090	18775	2282	853	D	1107	D
RAMSEY	639	D	D	D	735	D	184	1445	D	D
WASHINGTON	16240	3018	3395	2182	14912	6090	1537	D	7575	D
EAST CENTRAL (6)	262877	43006	77018	14497	186954	15654	10100	128932	15719	1399243

Table 5b

1982 Census of Agriculture  
Crops Harvested  
Minnesota Crop Reporting District 6  
(1000 units)

COUNTY & CRO	CORN ACRES	CORN BUSSHLS	WHEAT ACRES	WHEAT BUSSHLS	BARLEY ACRES	BARLEY BUSSHLS	OATS ACRES	OATS BUSSHLS	RYE ACRES	RYE BUSSHLS	FLAX ACRES	FLAX BUSSHLS	SUNFLWR ACRES	SUNFLWR LBS.	SOYBEAN ACRES	SOYBEAN BUSSHLS
AITKIN	1.2	77.1	1.8	58.5	.6	15.8	3.2	113.9	1.1	32.3	N	N	.3	106	D	D
ANOKA	18.8	1390.1	.2	6.1	N	N	D	D	1.4	39.8	N	N	D	D	6.1	130.9
CARLTON	.3	22.6	N	.7	.4	14.3	3.4	153.9	N	N	N	N	N	N	D	D
CHISAGO	36.5	2894.8	.1	3.4	.1	5.7	6.5	333.4	1.5	43.9	N	N	D	D	13	270.7
CROW WING	9.9	580.9	.3	7.6	N	2.5	5.7	238.5	.6	22.9	N	N	.9	704.4	1.5	20.9
HENNEPIN	29.2	2589.3	2.3	80.4	D	D	5.7	343.5	.2	6.7	D	D	D	D	14.8	402.4
ISANTI	42.2	3496.1	1.1	26.9	.2	13	5.8	329.4	2.9	96.1	N	N	.4	439.2	14.6	337.9
KANABEC	19.4	1542.9	.1	5.3	.1	4.6	7.1	396.3	D	D	N	N	D	D	1.3	30.4
MILLE LACS	23.5	2003.7	.2	7.6	.2	5.8	8.7	526.3	.5	14.4	D	D	D	D	2.6	67.9
PINE	18.7	1380.1	.1	3.7	.1	7.1	10.6	485.1	.1	2.8	N	N	D	D	3.6	76.8
RANSEY	D	7.2	D	D	D	D	D	D	D	D	N	N	N	N	D	D
WASHINGTON	32.4	2267.5	2.5	78.6	.1	5.8	5.9	294.4	.4	13.3	N	N	D	9.4	14.8	326.7
EAST CENTRAL (6)	232.1	18152.3	8.7	278.8	1.8	74.4	62.6	3214.7	8.7	272.2	D	D	1.6	1259	72.3	1664.6



Table 5c  
Estimated  
Feed Consumption  
Minnesota Crop Reporting District 6

COUNTY & CRD	CORN		OATS		WHEAT		BARLEY		PROTEIN - 40% SOYBEAN	
	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	EQUIVALENT LBS.	EQUIVALENT LBS.
AITKIN	957520	189315	7155	234640	21035535					
ANOKA	273272	88384	N	122715	4233154					
CARLTON	337583	197741	N	259648	5688057					
CHISAGO	976179	324397	3005	457313	18184514					
CROW WING	561436	160440	2292	219508	10941293					
HENNEPIN	707528	301366	N	423824	11117307					
ISANTI	740284	237263	N	336144	12155518					
KANABEC	803105	372324	N	529517	13538562					
MILLE LACS	964335	451088	N	660887	16040343					
PINE	1039549	522964	N	719961	17643597					
RAMSEY	17335	6417	N	6003	236194					
WASHINGTON	445659	187217	N	283959	6737312					
<b>EAST CENTRAL (6)</b>	<b>7823785</b>	<b>3038916</b>	<b>12452</b>	<b>4254119</b>	<b>137551386</b>					

Table 5d  
 Estimated  
 Surplus (Deficit) of Feed Grains  
 Minnesota Crop Reporting District 6

COUNTY & CRD	NET CORN (BUSHELS)	NET WHEAT (BUSHELS)	NET BARLEY (BUSHELS)	NET OATS (BUSHELS)
AITKIN	-880420	51345	-218840	-75415
ANOKA	1116828	6100	-122715	-88384
CARLTON	-314983	700	-245348	-43841
CHISAGO	1918621	395	-451613	9003
CROW WING	19464	5308	-217008	78060
HENNEPIN	1881772	80400	-423824	42134
ISANTI	2955816	26900	-323144	92137
KANABEC	739795	5300	-525117	23976
MILLE LACS	1039365	7600	-655087	75212
PINE	340551	3700	-712861	-37864
RAMSEY	-10135	0	-6003	-6417
WASHINGTON	1821841	78600	-278159	107183
<b>EAST CENTRAL (6)</b>	<b>10628515</b>	<b>266348</b>	<b>-4179719</b>	<b>175784</b>

Table 6a

1982 Census of Agriculture  
Livestock and Poultry  
Minnesota Crop Reporting District 7

COUNTY & CRD	ALL CATTLE	BEEP COWS	MILK COWS	FEED CATTLE	HOGS	SHEEP LAMB PONYS	LAYING HENS	BROILERS	TURKEYS	
COTTONWOOD	45784	6398	3150	35156	187850	5429	531	4213	D	
JACKSON	41875	6155	2443	36315	245517	15374	632	1992	D	
LINCOLN	46029	9360	5940	20814	84145	6475	205	1810	D	
LYON	58353	9110	4713	38302	179332	5598	441	2885	D	
MURRAY	51698	7063	6243	32098	162743	9498	367	3680	D	
NOBLES	63969	8192	6390	41672	276587	18664	243	11535	145650	
PIPESTONE	50247	7346	7951	17388	109302	9504	367	2335	D	
REDWOOD	48081	7052	4408	42494	263352	5097	565	152931	D	
ROCK	65421	10348	5714	46032	172930	7161	327	1144	D	
SOUTHWEST (7)	471457	71024	46952	310271	1681758	82800	3678	203004	33891	145650

Table 6b

1982 Census of Agriculture  
Crops Harvested  
Minnesota Crop Reporting District 7  
(1000 units)

COUNTY & CROD	CORN ACRES	WHEAT ACRES	BARLEY ACRES	BARLEY ACRES	OATS ACRES	OATS ACRES	RYE ACRES	RYE ACRES	FLAX ACRES	FLAX ACRES	SUNFLWR ACRES	SUNFLWR LBS.	SOYBEAN ACRES	SOYBEAN LBS.		
COTTONWOOD	140.9	16069.9	5	173.1	0	0	0	0	0	0	0	0	0	147.9	5461.5	
JACKSON	167.6	19679.9	1.9	63.1	0	4.0	335.5	0	0	0	1.1	1261.5	166.5	6178.9	25	
LINCOLN	73.5	6279.4	21.9	710.1	1.6	69.4	22.2	1515.2	.5	15.6	2.7	51.7	1	1125.5	46.5	1456.1
LYON	144.9	14801.1	25.2	869.7	.3	16.5	20.4	1559.3	.1	5.4	.1	2.4	0	121.3	4340.3	
MURRAY	134.9	13779.7	5.7	191.2	0	0	18.5	1320.1	0	0	.6	16.2	0	122.1	4225.4	
NOBLES	168.2	18072.0	3	113.0	0	0	13.4	984.7	.4	17.5	0	0	0	154.2	5394.0	
PIPESTONE	85	7630.7	5.7	208.7	.3	17.5	21.4	1473.9	.2	6.5	2.3	54.6	.7	547.5	1807.9	
REDWOOD	181.4	20372.2	24.1	846.0	.3	17.5	12.5	983.9	.1	3.9	0	0	.0	435.6	203.2	7368.3
ROCK	104.6	10093.1	.6	17.1	0	12	808.2	.4	15.2	0	0	0	0	77.6	2513	
SOUTHWEST (7)	1201	126778.0	93.1	3201.6	2.3	120.9	133.3	9597.5	1.8	65.7	5.7	122.9	3.6	3370.1	1093.7	38746.2

Table 6c.  
Estimated

Feed Consumption

Minnesota Crop Reporting District 7

COUNTY & CRD	CORN		OATS		WHEAT		BARLEY		PROTEIN - 40% SOYBEAN	
	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	EQUIVALENT LBS.	EQUIVALENT LBS.
COTTONWOOD	4120854	96367							44470	37860144
JACKSON	4745425	113938							56635	46026035
LINGOLN	2629594	112270							28333	23155441
LYON	4399371	120435							46809	39165934
MURRAY	4082811	137113							45404	37738669
NOBLES	5878977	177113			1296				68424	58549294
PIPESTONE	2964656	163454							38966	28505496
REDWOOD	5525613	142707							63695	54345037
ROCK	4809500	119212							44531	40602367
<b>SOUTHWEST (7)</b>	<b>39156801</b>	<b>1182609</b>			<b>1296</b>				<b>437267</b>	<b>365948417</b>

Table 6d  
 Estimated  
 Surplus (Deficit) of Feed Grains  
 Minnesota Crop Reporting District 7

COUNTY & CRD	NET CORN (BUSHELS)	NET WHEAT (BUSHELS)	NET BARLEY (BUSHELS)	NET OATS (BUSHELS)
COTTONWOOD	11949046	173100	-44470	490333
JACKSON	14934475	63100	-56635	221562
LINCOLN	3649806	718100	41067	1432930
LYON	10401729	869700	-30309	1438865
MURRAY	9696889	191200	-45404	1182987
NOBLES	12193823	112504	-68424	807587
PIPESTONE	4666044	208700	-21466	1310446
REDWOOD	14846587	846800	-46195	841193
ROCK	5283600	17100	-44531	688988
<b>SOUTHWEST (7)</b>	<b>87621999</b>	<b>3200304</b>	<b>-316367</b>	<b>8414891</b>

Table 7a

1982 Census of Agriculture  
Livestock and Poultry  
Minnesota Crop Reporting District 8

COUNTY & CRD	ALL CATTLE	BEEF COWS	MILK COWS	FEEB CATTLE	HOGS	SHEEP LAMB	HOPSES PONYS	LAYING HENS	BROILERS	TURKEYS
BLUE EARTH	27 430	3 936	27 22	20 158	25 461 4	5 117	3 55	D	2 811	D
BROWN	46 417	2 225	10 499	22 836	20 502 6	2 488	2 35	14 815 3	20 90	3 295 20
YARIBAULT	29 400	2 355	3 905	23 739	23 083 0	7 330	4 44	D	2 890	D
FREEBORN	34 208	5 114	7 124	11 116	30 783 8	9 670	8 28	D	4 920	D
LESUEUR	32 753	4 004	7 626	9 559	13 181 7	2 632	4 50	11 042 0	8 55	D
MARTIN	33 214	3 911	2 968	25 764	33 063 0	3 433	5 67	D	D	16 034 1
NICOLLET	29 329	1 826	83 80	9 077	18 855 9	17 60	2 84	41 237 8	1 96 8	D
RICE	47 626	30 46	170 42	7 472	15 722 3	2 402	8 76	D	2 35 4	7 520 7 1
STEELE	30 508	1 950	106 89	4 117	11 864 8	10 82	3 56	D	3 55 5	D
WASECA	21 331	1 638	6 46 9	5 549	12 903 2	2 211	26 7	70 333	2 54 7	D
WATONWAN	19 985	2 127	227 4	13 733	16 740 8	13 64	3 45	D	2 01 5	D
SOUTH CENTRAL (8)	352 201	32 132	796 98	153 120	222 162 5	39 489	5 007	74 128 4	26 005	124 193 2

Table 7b

1982 Census of Agriculture  
Crops Harvested  
Minnesota Crop Reporting District 8  
(1000 units)

COUNTY & CROD	CORN ACRES	CORN BUSHELLS	WHEAT ACRES	WHEAT BUSHELLS	BARLEY ACRES	BARLEY BUSHELLS	ORGS ACRES	ORGS BUSHELLS	RYE ACRES	RYE BUSHELLS	FLAX ACRES	FLAX BUSHELLS	SUNFLWR ACRES	SUNFLWR LBS.	SOYBEAN ACRES	SOYBEAN BUSHELLS
BLUE EARTH	166.2	20555.4	7.9	282.1	.3	13.4	4.8	329.8	0	0	0	0	0	0	158.6	5708.6
BROWN	119.1	13407.3	6.2	209.1	0	0	14	1008.8	.1	2.2	0	0	0	0	118.1	4215.8
FARIBAULT	175.1	22414.3	2.5	74.9	0	0	5.4	360.9	.4	15.1	0	0	.1	0	172.3	6107.4
FREEBORN	174	19526.9	1.7	58.1	.1	4.7	9.4	563.7	0	0	0	0	0	0	138.8	4740.7
LESUEUR	72.2	7581.4	12.7	516.9	.1	5.5	6.1	429.1	0	0	0	0	.2	306	65.9	2230.7
MARTIN	183.9	23508.2	1	32.4	0	0	4.9	364.7	0	0	0	0	0	0	173.2	6716.4
WICOLLET	94.5	11430.5	8.5	365.9	.1	5.8	7.7	595.5	.2	7.2	0	0	0	0	85.7	3316.7
RICE	96.7	9782.9	3.9	124.9	0	2.4	10.7	690.2	0	0	0	0	0	0	45.2	1461.8
STEELE	97.6	10242.2	1.2	38.9	0	0	9.7	607.4	0	0	0	0	0	0	66.4	2168.3
WASECA	108.8	12993.3	3.5	120.7	0	0	3.7	242.3	0	0	0	0	0	0	78.9	2877.1
WATONWAN	109.3	13841	2	74.3	0	0	3.4	259.3	0	0	0	0	0	0	104.5	4028.2
SOUTH CENTRAL (8)	1397.4	165283.4	51.1	1898.2	.6	31.8	79.8	5451.7	.7	24.5	0	0	.3	306	1207.6	43571.7



Table 7c  
 Estimated  
 Feed Consumption  
 Minnesota Crop Reporting District 8

COUNTY & CRD	CORN		OATS		WHEAT		BARLEY		PROTEIN - 40% SOYBEAN	
	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	EQUIVALENT LBS.	EQUIVALENT LBS.
BLUE EARTH	3913886	105725							56317	43510153
BROWN	4690834	207883			2933				60449	53068363
FARIBAUT	3970144	111955							53512	41671742
FREEBORN	4460986	199913							77646	53907900
LESUEUR	2735277	157989							42894	30803771
MARTIN	5115329	133557			1427				72402	58748988
NICOLLET	3624141	206430							59561	45365217
RICE	4173126	281030			6693				61191	53447862
STEELE	2443076	171901							41797	27731944
WASECA	2294563	128106							38280	27142918
WATONWAN	2647629	77880							38205	29183929
<b>SOUTH CENTRAL (8)</b>	<b>40068991</b>	<b>1782369</b>			<b>11053</b>				<b>602254</b>	<b>464582787</b>

Table 7d  
 Estimated  
 Surplus (Deficit) of Feed Grains  
 Minnesota Crop Reporting District 8

COUNTY & CRD	NET CORN (BUSHELS)	NET WHEAT (BUSHELS)	NET BARLEY (BUSHELS)	NET OATS (BUSHELS)
BLUE EARTH	16641514	282100	-42917	224075
BROWN	8716466	206167	-60449	800917
FARIBAULT	18444156	74900	-53512	248945
FREEBORN	15065914	58100	-72946	363787
LESDEUR	4846123	516900	-37394	271111
MARTIN	18392871	30973	-72402	231143
NICOLLET	7806359	365900	-53761	389070
RICE	5609774	118207	-58791	409170
STEELE	7799124	38900	-41797	435499
WASECA	10698737	120700	-38280	114194
WATONWAN	11193371	74300	-38205	181420
<b>SOUTH CENTRAL (8)</b>	<b>125214409</b>	<b>1887147</b>	<b>-570454</b>	<b>3669331</b>

Table 8a

1982 Census of Agriculture  
Livestock and Poultry  
Minnesota Crop Reporting District 9

COUNTY & CRD	ALL CATTLE	BEEF COWS	MILK COWS	FEED CATTLE	HOGS	SHEEP LAMB	SHEEP HORSES	LAYING HENS	BROILERS	TURKEYS
DAKOTA	39096	2508	8405	14835	73432	1567	1145	D	3715	D
DODGE	33954	2331	11448	6125	107650	1852	453	D	900	D
FILLMORE	125675	28691	24789	20385	254258	7541	1476	132412	1268	560612
GOODHUE	95903	10009	30266	13863	139859	5534	2206	D	4110	D
HOUSTON	86687	14255	18352	13451	109789	1524	990	27216	D	D
MOHER	38817	4750	8096	15186	224424	3523	585	153029	1110	D
OLMSTED	83046	13962	20032	16354	83726	5514	1724	28936	918	D
WABASHA	79197	11587	21510	9529	95236	4025	644	D	1723	D
WINONA	89890	10191	30803	7878	82711	977	1011	12602	3331	567789
SOUTHEAST (9)	672265	98284	173701	117606	1171085	32057	10234	354195	17075	1128401

Table 8b

1982 Census of Agriculture

Crops Harvested

Minnesota Crop Reporting District 9

(1000 units)

CORN WHEAT WHEAT BARLEY BARLEY OATS RYE RYE FLAX FLAX SUNFLWR SUNFLWR SOYBEAN SOYBEAN  
ACRES BUSHEL6 ACRES BUSHEL6 ACRES BUSHEL6 ACRES BUSHEL6 ACRES BUSHEL6 ACRES BUSHEL6 ACRES BUSHEL6

COUNTY & CRD

DAKOTA	82.4	8531	7	258.4	.5	26.4	10.4	601.5	.3	10	N	N	D	D	52.7	1617.2
GOOSE	95.5	10273.8	1.1	33.7	.1	5.9	9.4	538.2	0	0	N	N	N	N	71.6	2275.4 <sup>33</sup>
FILLMORE	153.5	15237.7	.6	21.1	.2	12.5	25.1	1386.5	.1	2.1	N	N	N	N	34.5	1053.7
GOODHUE	121.6	13813.2	5.1	184.9	1.4	80.3	22.5	1458.9	.3	12.9	N	N	D	D	45.7	1487.8
HOUSTON	52.4	5684.6	.3	6.6	.2	0	11.1	622.1	0	0	N	N	N	N	2.5	81.6
HOWER	153.8	14642.8	4.1	125.6	.1	4.2	13.6	688.1	.1	11.9	N	N	N	N	145.4	4615.5
OLUSTED	.110.1	10824.2	1	42	.3	16.7	19.6	1086.3	0	0	N	N	N	N	32.1	970.3
MARASHA	62.9	6705.9	.5	20.1	.9	48.9	19.1	1178.8	0	0	D	D	D	D	13.6	451.2
WINONA	67.4	7515.7	.4	12.6	.3	17.4	19.6	1232.2	0	0	N	N	D	D	5.5	163.3
SOUTHEAST (9)	902.6	93228.9	20.1	705	4	221.3	150.4	8792.6	1.1	36.9	D	D	D	D	403.6	12716

Table 8c  
Estimated

Feed Consumption  
Minnesota Crop Reporting District 9

COUNTY & CRD	CORN		OATS		WHEAT		BARLEY		PROTEIN - 40% SOYBEAN	
	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	EQUIVALENT LBS.	EQUIVALENT LBS.
DAKOTA	2418174	153159	N	33443	22027282					
DODGE	2513715	179023	N	41118	27236167					
FILLMORE	6937764	489226	4989	104308	81042972					
GOODHUE	5163132	465893	N	85616	51589331					
HOUSTON	3873907	325547	N	59884	39091090					
MOWER	4050638	193141	N	63182	46552509					
OLMSTED	3844361	329510	N	58252	36249176					
WARASHA	3682361	331800	N	57957	37186656					
WINONA	4680540	439368	5053	69125	52907086					
SOUTHEAST (9)	37164592	2906667	10042	572885	393882269					

Table 8d  
 Estimated  
 Surplus (Deficit) of Feed Grains  
 Minnesota Crop Reporting District 9

COUNTY & CRD	NET CORN (BUSHELS)	NET WHEAT (BUSHELS)	NET BARLEY (BUSHELS)	NET OATS (BUSHELS)
DAKOTA	6112826	258400	-7043	448341
DODGE	7760085	33700	-35218	359177
FILLMORE	8299936	16111	-91808	897274
GOODHUE	8650068	184900	-5316	993007
HOUSTON	1810693	6600	-51884	296553
MOWER	10592162	125600	-58982	494959
OLMSTED	6979839	42000	-41552	756790
WARASHA	3023539	20100	-8057	847000
WINONA	2835160	7547	-51725	792832
<b>SOUTHEAST ( 9 )</b>	<b>56064308</b>	<b>694958</b>	<b>-351585</b>	<b>5885933</b>

Table 9a

1982 Census of Agriculture  
Livestock and Poultry  
Minnesota Crop Reporting Districts and State Total

COUNTY & CRD	ALL CATTLE	BEEF COWS	MILK COWS	FEED CATTLE	HOGS	SHEEP LAMB	HORSES PONYS	LAYING HENS	BROILERS	TURKEYS
NORTHWEST (1)	270115	71029	48819	29188	171769	35786	4394	685176	9416	1799995
NORTH CENTRAL (2)	92008	31214	14546	2389	71537	11515	3014	14743	3811	28
NORTHEAST (3)	18475	5040	3341	373	4887	441	1496	295	6004	2419
WEST CENTRAL (4)	432647	57422	99155	120824	957055	27708	6026	161192	65498	2974895
CENTRAL (5)	805919	58116	295968	93932	1540483	38652	11225	1291295	11598901	13130169
EAST CENTRAL (6)	262877	43006	77018	14497	186954	15654	10100	128932	15719	1399243
SOUTHWEST (7)	471457	71024	46952	310271	1681758	82800	3678	203004	33891	145650
SOUTH CENTRAL (8)	352201	32132	79698	153120	2221625	39489	5007	741284	26005	1241932
SOUTHEAST (9)	672265	98284	173701	117606	1171085	32057	10234	354195	17075	1128401
CRD TOTALS	3377964	467267	839198	842200	8007153	284102	55174	3580116	11776320	21822732
STATE TOTAL *	3377964	467461	839247	842221	8009870	284441	55174	11087545	14773250	27216570
DIFFERENCE DUE TO NON DISCLOSURE IN COUNTY DATA	0	194	49	21	2717	339	0	7507429	2996930	5393838

Table 9b  
 1982 Census of Agriculture  
 Crops Harvested  
 Minnesota Crop Reporting Districts and State Total

(1000 units)

COUNTY & CRD	CORN ACRES	CORN BUSHELS	WHEAT ACRES	WHEAT BUSHELS	BARLEY ACRES	BARLEY BUSHELS	OATS ACRES	OATS BUSHELS	RYE ACRES	RYE BUSHELS	FLAX ACRES	FLAX BUSHELS	SUNFLWR ACRES	SUNFLWR LOGS.	SOYBEAN ACRES	SOYBEAN BUSHELS
NORTHWEST (1)	101.4	6433.8	1729.5	66246.1	608.4	34976.4	214.6	12020.3	26.3	882.3	30.9	414.1	360.5	376137	112.1	2493.1
NORTH CENTRAL (2)	17.8	1106.8	33.8	1039.7	13.2	578.2	40.9	1766	2.1	65.9	2.8	52.8	4.8	3241.1	1.4	27.2
NORTHEAST (3)	.5	19.4	.6	14.5	.9	35.9	5.5	157.3	0	0	0	0	0	0	.3	11
WEST CENTRAL (4)	908.9	85060.2	890.6	32554.9	189.7	10317.8	299.3	18443.4	8.9	305.6	6.1	104	87.2	120672.7	915.8	28286.9
CENTRAL (5)	1138.5	113510.6	142.2	5513.6	4.8	227.5	301.8	19186.7	20.8	626.7	.3	0	6.2	7738.7	693.7	23710.1
EAST CENTRAL (6)	232.1	18452.3	8.7	278.8	1.8	74.4	62.6	3214.7	8.7	272.2	0	0	1.6	1259	72.3	1664.6
SOUTHWEST (7)	1201	126778.8	93.1	3201.6	2.3	120.9	133.3	9597.5	1.8	65.7	5.7	122.9	3.6	3370.1	1093.7	38746.2
SOUTH CENTRAL (8)	1397.4	165283.4	51.1	1898.2	.6	31.8	79.8	5451.7	.7	24.5	0	0	.3	306	1207.6	43571.7
SOUTHEAST (9)	902.6	93228.9	20.1	705	4	221.3	150.4	8792.6	1.1	36.9	0	0	0	0	403.6	12716

CRD TOTALS 5900.2 609874.2 2969.7 111452.4 825.7 46594.2 1288.2 78630.2 70.4 2279.8 45.8 693.8 464.2 512724.6 4500.5 151226.8

STATE TOTAL 5904.1 610051.1 2971.5 111480.2 827.3 46670.6 1290.5 78704.9 72.8 2354.9 47.4 712.1 467.4 516694.4 4501.3 151231.6

DIFFERENCE DUE  
 TO NON DISCLOSURE  
 IN COUNTY DATA 3.9 176.9 1.8 27.8 1.6 86.4 2.3 74.7 2.4 75.1 1.6 18.3 3.2 3969.8 .8 4.8



Table 9c  
 Estimated  
 Feed Consumption  
 Minnesota Crop Reporting Districts and State Total

COUNTY & CRD	CORN		OATS		WHEAT		BARLEY		PROTEIN - 40% SOYBEAN	
	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	CONSUMPTION BUSHELS	EQUIVALENT LBS.	EQUIVALENT LBS.
NORTHWEST (1)	7551161	2350367	16020	3852484	138226280					
NORTH CENTRAL (2)	1807766	716262	0	1011259	30729901					
NORTHEAST (3)	309314	156692	22	204773	4966709					
WEST CENTRAL (4)	28763186	1780129	45382	384895	320606168					
CENTRAL (5)	61190312	4658930	116856	835403	783679655					
EAST CENTRAL (6)	7823785	3038916	12452	4254119	137551386					
SOUTHWEST (7)	39156801	1182609	1296	437267	365948417					
SOUTH CENTRAL (8)	40068991	1782369	11053	602254	464582787					
SOUTHEAST (9)	37164592	2906667	10042	572885	393882269					
STATE	223835908	18572941	213123	12155339	2640173572					

Table 9d  
 Estimated  
 Surplus (Deficit) of Feed Grains  
 Minnesota Crop Reporting Districts and State Total

COUNTY & CRD	NET CORN (BUSHELS)	NET WHEAT (BUSHELS)	NET BARLEY (BUSHELS)	NET OATS (BUSHELS)
NORTHWEST (1)	-1117361	66230080	31123916	9669933
NORTH CENTRAL (2)	-700966	1039700	-433059	1049738
NORTHEAST (3)	-289914	14478	-168873	608
WEST CENTRAL (4)	56297014	32509518	9932905	16663271
CENTRAL (5)	52320288	5396744	-607903	14527770
EAST CENTRAL (6)	10628515	266348	-4179719	175784
SOUTHWEST (7)	87621999	3200304	-316367	8414891
SOUTH CENTRAL (8)	125214409	1887147	-570454	3669331
SOUTHEAST (9)	56064308	694958	-351585	5885933
STATE	386038292	111239277	34428861	60057259

Appendix A

Northwest District (1)

- 1) Becker
- 2) Clay
- 3) Clearwater
- 4) Kittson
- 5) Mahnomen
- 6) Marshall
- 7) Norman
- 8) Pennington
- 9) Polk
- 10) Red Lake
- 11) Roseau

North Central District (2)

- 12) Beltrami
- 13) Cass
- 14) Hubbard
- 15) Itasca
- 16) Koochiching
- 17) Lake of the Woods

Northeast District (3)

- 18) Cook
- 19) Lake
- 20) St. Louis

West Central District (4)

- 21) Big Stone
- 22) Chippewa
- 23) Douglas
- 24) Grant
- 25) Lac Qui Parle
- 26) Otter Tail
- 27) Pope
- 28) Stevens
- 29) Swift
- 30) Traverse
- 31) Wilkin
- 32) Yellow Medicine

Central District (5)

- 33) Benton
- 34) Carver
- 35) Kandiyohi
- 36) McLeod
- 37) Meeker
- 38) Morrison
- 39) Renville
- 40) Scott
- 41) Sherburne
- 42) Sibley
- 43) Stearns
- 44) Todd
- 45) Wadena
- 46) Wadena

East Central District (6)

- 47) Aitkin
- 48) Anoka
- 49) Carlton
- 50) Chisago
- 51) Crow Wing
- 52) Hennepin
- 53) Isanti
- 54) Kanabec
- 55) Mille Lacs
- 56) Pine
- 57) Ramsey
- 58) Washington

Southwest District (7)

- 59) Cottonwood
- 60) Jackson
- 61) Lincoln
- 62) Lyon
- 63) Murray
- 64) Nobles
- 65) Pipestone
- 66) Redwood
- 67) Rock

South Central District (8)

- 68) Blue Earth
- 69) Brown
- 70) Faribault
- 71) Freeborn
- 72) LeSueur
- 73) Martin
- 74) Nicollet
- 75) Rice
- 76) Steele
- 77) Waseca
- 78) Watonwan

Southeast District (9)

- 79) Dakota
- 80) Dodge
- 81) Fillmore
- 82) Goodhue
- 83) Houston
- 84) Mower
- 85) Olmsted
- 86) Wabasha
- 87) Winona

Appendix B

Weights, Measures, and Conversion Factors

Commodity	Units	Approximate Net Weight	
		U.S.	Metric
Barley	Bushels	48	21.8
Buckwheat	Bushels	48	21.8
*Buckwheat	cwt.	100	45.4
Corn	Bushels	56	25.4
Flax	Bushels	56	25.4
Oats	Bushels	32	14.5
Rapeseed	Bushels	50-60	22.7-27.2
Rye	Bushels	56	25.4
Soybeans	Bushels	60	27.2
Sunflowers	Bushels	24-32	10.9-14.5
*Sunflowers	cwt.	100	45.4
Wheat	Bushels	60	27.2

\* price and volume usually reported in cwt.

To	From	Multiply By
Kilograms	Lbs.	0.45359
Lbs.	Kilograms	2.2046
Metric Tons	Lbs.	0.00045359
Acre	Hectare	2.47
Hectare	Acre	0.4047

The standard bushel used in the United States contains 2,150.42 cubic inches

Appendix C

Estimated  
 Feed Ration for Crop Reporting Districts 4,5,7,8,9 (Southern CRD)

COMMODITY	BEEF COWS	MILK COWS	FEED CATTLE	OTHER CATTLE	HOGS	SHEEP HORSES		LAYING HENS	BROILERS	TURKEYS
						LAMB	PONYS			
CORN - BUSHEL	1.35	78.6	55	12.7	9.986	5.2722	23.4	1.06	.098	.745
OATS - BUSHEL	0	8.92	0	2.699	.2688	.95	18.27	.114	0	.019
BARLEY - BUSHEL	0	1.188	0	.2768	.199	.14	4.31	.019	0	0
WHEAT - BUSHEL	0	0	0	0	0	0	0	0	0	.0089
PROTEIN - LBS. (40% SOY EQ.)	50	720.8	227.5	140.74	143.39	31.55	0	20.99	3	18.43

Estimated  
 Feed Ration for Crop Reporting Districts 1,2,3,6 (Northern CRD)

COMMODITY	BEEF COWS	MILK COWS	FEED CATTLE	OTHER CATTLE	HOGS	SHEEP HORSES		LAYING HENS	BROILERS	TURKEYS
						LAMB	PONYS			
CORN - BUSHEL	.54	43.33	22	6.98	9.576	2.636	23.4	1.06	.098	.745
OATS - BUSHEL	.3288	26.765	5.58	3.39	.986	2.378	18.27	.114	0	.019
BARLEY - BUSHEL	.77	32.7	36.195	6.6	1.314	2.45	4.31	.019	0	0
WHEAT - BUSHEL	0	0	0	0	0	0	0	0	0	.0089
PROTEIN - LBS. (40% SOY EQ.)	50	720.8	227.5	140.74	157.73	31.55	0	20.99	3	18.43