

**Table 3. Farm Production Expenses: 1987 and 1982**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	North Dakota	Adams	Barnes	Benson	Billings	Bottineau	Bowman
Total farm production expenses ----- farms, 1987..	35 294	410	919	716	267	928	391
\$1,000, 1987..	1 846 305	19 365	51 532	34 930	8 467	37 189	19 501
Average per farm -----dollars, 1987..	52 312	47 231	56 074	48 785	31 710	40 075	49 875
Livestock and poultry purchased ----- farms, 1987..	10 144	195	259	198	144	139	148
1982..	10 658	123	260	160	110	197	165
\$1,000, 1987..	128 202	2 597	2 307	1 600	1 125	612	2 629
1982..	103 704	2 053	2 161	1 225	883	575	1 917
Feed for livestock and poultry ----- farms, 1987..	15 121	271	334	298	220	250	221
1982..	15 989	203	427	270	187	274	233
\$1,000, 1987..	75 149	826	1 279	1 984	875	651	1 087
1982..	72 876	853	1 584	805	740	532	986
Commercially mixed formula feeds ----- farms, 1987..	5 910	131	167	106	73	92	72
1982..	5 723	50	107	51	76	42	101
\$1,000, 1987..	23 858	296	310	1 214	283	123	209
1982..	28 648	83	445	325	107	366	270
Seeds, bulbs, plants, and trees ----- farms, 1987..	26 191	255	749	564	132	714	280
1982..	23 677	272	735	511	127	584	188
\$1,000, 1987..	108 342	888	3 228	1 982	111	2 319	683
1982..	92 216	584	3 199	1 683	176	2 115	458
Commercial fertilizer <sup>1</sup> ----- farms, 1987..	24 284	234	717	545	121	686	242
1982..	20 997	173	765	519	76	582	182
\$1,000, 1987..	178 957	1 177	6 080	3 316	226	4 603	1 119
1982..	169 111	681	6 851	2 843	83	4 063	535
Agricultural chemicals <sup>1</sup> ----- farms, 1987..	28 268	313	740	612	155	767	248
1982..	24 512	187	803	563	109	726	166
\$1,000, 1987..	143 598	1 227	4 050	2 716	300	4 166	1 008
1982..	116 882	728	3 766	2 318	219	3 459	470
Petroleum products ----- farms, 1987..	34 426	396	905	690	261	904	391
1982..	36 324	365	1 015	760	257	967	371
\$1,000, 1987..	176 838	1 833	5 313	3 920	972	4 074	1 940
1982..	253 781	2 067	8 302	5 793	1 048	6 301	2 156
Gasoline and gasohol ----- farms, 1987..	31 956	375	835	625	243	838	369
1982..	35 180	358	993	740	250	912	354
\$1,000, 1987..	68 286	805	2 006	1 418	466	1 409	790
1982..	100 713	887	2 995	2 113	579	2 239	1 053
Diesel fuel ----- farms, 1987..	30 033	349	764	620	197	837	336
1982..	31 193	323	858	681	209	829	306
\$1,000, 1987..	89 463	831	2 848	2 099	348	2 244	917
1982..	120 501	963	4 171	2 805	318	3 236	852
Natural gas ----- farms, 1987..	1 009	13	24	31	30	15	28
1982..	438	1	16	-	12	20	2
\$1,000, 1987..	1 084	20	30	33	39	17	16
1982..	668	(D)	69	-	6	24	(D)
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987..	31 477	379	838	563	232	824	351
1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987..	18 006	178	429	369	119	404	218
1982..	31 900	(D)	1 068	875	146	801	(D)
Electricity ----- farms, 1987..	29 213	392	734	627	227	789	303
1982..	29 213	314	853	628	211	760	303
\$1,000, 1987..	32 508	384	(D)	727	236	647	344
1982..	30 855	304	743	712	145	609	306
Hired farm labor ----- farms, 1987..	14 916	147	395	361	94	352	188
1982..	13 992	148	405	309	73	413	125
\$1,000, 1987..	92 847	660	1 969	1 897	268	1 549	1 712
1982..	76 864	469	2 173	1 280	342	1 471	738
Contract labor ----- farms, 1987..	3 153	34	84	41	16	73	40
1982..	1 281	19	21	22	14	9	26
\$1,000, 1987..	8 436	85	(D)	91	(D)	80	71
1982..	3 961	59	45	84	89	(D)	29
Repair and maintenance ----- farms, 1987..	32 006	384	834	614	237	880	330
1982..	172 273	2 138	5 062	3 557	839	4 021	1 638
Customwork, machine hire, and rental of machinery and equipment <sup>2</sup> ----- farms, 1987..	16 872	186	446	341	107	450	186
1982..	15 478	191	386	399	100	390	137
\$1,000, 1987..	49 958	865	1 503	941	168	1 104	687
1982..	43 917	426	1 123	1 482	127	806	652
Interest paid <sup>3</sup> ----- farms, 1987..	23 650	272	645	437	135	650	251
1982..	24 334	284	706	554	161	588	193
\$1,000, 1987..	214 381	2 174	5 900	3 432	(D)	4 457	2 392
1982..	306 237	2 877	10 463	5 988	1 352	6 888	2 651
Interest paid on debt: Secured by real estate ----- farms, 1987..	16 359	147	396	275	91	485	140
1982..	141 966	1 272	3 626	2 207	(D)	3 084	1 546
Not secured by real estate ----- farms, 1987..	14 428	223	459	280	90	394	186
1982..	72 416	902	2 274	1 225	(D)	1 372	846
Cash rent ----- farms, 1987..	17 845	210	504	363	153	415	175
1982..	224 211	1 679	7 231	3 934	988	3 635	1 326
\$1,000, 1987..	30 133	337	761	583	204	866	361
1982..	53 863	697	1 355	1 172	107	1 465	550
All other farm production expenses ----- farms, 1987..	34 312	396	873	708	267	890	384
1982..	188 741	2 134	5 248	3 662	1 181	3 906	2 336

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Burke	Burleigh	Cass	Cavalier	Dickey	Divide	Dunn
Total farm production expenses ----- farms, 1987..	525	804	1 182	921	598	598	734
----- \$1,000, 1987..	13 560	31 048	104 772	55 493	38 336	18 352	27 119
----- Average per farm ----- dollars, 1987..	25 829	38 616	88 640	60 253	64 107	30 689	36 947
Livestock and poultry purchased ----- farms, 1987..	63	291	236	77	249	146	379
----- 1982..	96	256	279	98	225	117	327
----- \$1,000, 1987..	244	4 010	9 786	237	4 249	698	4 679
----- 1982..	190	2 535	5 136	437	4 058	364	3 581
Feed for livestock and poultry ----- farms, 1987..	146	424	328	142	353	234	495
----- 1982..	173	383	342	232	354	182	492
----- \$1,000, 1987..	221	2 670	3 234	371	1 985	555	2 132
----- 1982..	391	1 653	2 981	633	2 849	348	2 133
Commercially mixed formula feeds ----- farms, 1987..	58	152	128	32	116	88	196
----- 1982..	21	158	138	65	125	35	221
----- \$1,000, 1987..	92	406	909	170	545	172	670
----- 1982..	7	585	1 221	195	1 382	29	476
Seeds, bulbs, plants, and trees ----- farms, 1987..	360	516	1 008	760	475	433	433
----- 1982..	338	451	1 040	633	484	366	407
----- \$1,000, 1987..	723	1 320	7 105	3 156	2 215	896	618
----- 1982..	643	972	7 259	2 577	1 819	837	541
Commercial fertilizer <sup>1</sup> ----- farms, 1987..	320	347	1 006	818	420	287	471
----- 1982..	236	249	1 041	817	361	258	297
----- \$1,000, 1987..	1 219	1 506	11 712	8 419	3 189	1 243	1 329
----- 1982..	890	750	12 886	7 763	3 342	758	654
Agricultural chemicals <sup>1</sup> ----- farms, 1987..	445	552	1 034	820	482	547	453
----- 1982..	434	443	1 050	794	400	477	311
----- \$1,000, 1987..	1 758	1 995	8 471	5 488	2 520	2 496	1 092
----- 1982..	1 585	1 017	8 412	5 119	1 925	1 527	610
Petroleum products ----- farms, 1987..	488	762	1 147	921	584	598	714
----- 1982..	580	792	1 273	970	611	612	697
----- \$1,000, 1987..	1 749	2 901	7 859	6 077	3 619	2 271	3 023
----- 1982..	3 039	4 317	11 517	8 462	4 458	3 286	3 801
Gasoline and gasohol ----- farms, 1987..	420	722	1 121	848	576	560	706
----- 1982..	557	785	1 244	946	579	578	684
----- \$1,000, 1987..	656	1 204	2 722	1 974	1 536	915	1 546
----- 1982..	1 193	1 927	4 004	2 805	1 625	1 256	1 919
Diesel fuel ----- farms, 1987..	457	593	995	841	489	575	630
----- 1982..	550	590	1 094	892	510	591	618
----- \$1,000, 1987..	903	1 421	4 328	3 506	1 620	1 121	1 156
----- 1982..	1 463	1 846	5 742	4 602	2 076	1 659	1 516
Natural gas ----- farms, 1987..	19	18	28	50	9	9	13
----- 1982..	7	5	22	5	3	6	17
----- \$1,000, 1987..	4	12	39	47	28	3	12
----- 1982..	2	43	111	4	(D)	1	2
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987..	467	643	1 048	679	516	585	688
----- 1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
----- \$1,000, 1987..	186	264	771	550	435	233	309
----- 1982..	382	501	1 661	1 050	(D)	370	364
Electricity ----- farms, 1987..	418	622	977	750	512	514	624
----- 1982..	445	566	1 058	711	537	489	540
----- \$1,000, 1987..	239	687	1 261	705	801	375	471
----- 1982..	298	652	1 128	708	905	469	477
Hired farm labor ----- farms, 1987..	190	321	620	388	307	150	261
----- 1982..	182	335	692	373	276	97	225
----- \$1,000, 1987..	485	2 179	6 330	1 797	1 981	330	1 091
----- 1982..	546	2 046	5 203	1 517	1 253	328	1 081
Contract labor ----- farms, 1987..	54	50	128	78	48	41	82
----- 1982..	32	23	62	25	21	46	20
----- \$1,000, 1987..	102	109	425	220	156	79	132
----- 1982..	72	29	227	91	21	47	43
Repair and maintenance ----- farms, 1987..	485	703	1 058	857	569	560	653
----- \$1,000, 1987..	1 634	2 929	7 661	4 610	3 482	2 218	2 725
Customwork, machine hire, and rental of machinery and equipment <sup>2</sup> ----- farms, 1987..	185	453	622	582	364	185	306
----- 1982..	206	338	595	432	371	210	258
----- \$1,000, 1987..	366	893	1 994	2 322	1 304	499	612
----- 1982..	334	857	2 037	2 024	978	446	448
Interest paid <sup>3</sup> ----- farms, 1987..	281	497	822	664	403	328	441
----- 1982..	321	532	947	724	493	389	439
----- \$1,000, 1987..	1 994	3 072	10 655	5 981	4 414	2 681	3 663
----- 1982..	1 643	4 790	18 010	8 234	6 755	3 031	4 868
Interest paid on debt: ----- farms, 1987..	219	334	544	459	305	209	327
Secured by real estate ----- \$1,000, 1987..	1 519	2 100	6 786	4 200	2 950	2 041	2 332
Not secured by real estate ----- farms, 1987..	144	260	558	408	248	210	273
----- \$1,000, 1987..	474	972	3 870	1 781	1 464	640	1 331
Cash rent ----- farms, 1987..	124	417	655	620	365	142	314
----- \$1,000, 1987..	1 022	2 901	14 477	8 888	4 277	1 267	1 988
Property taxes paid ----- farms, 1987..	451	697	966	797	493	496	663
----- \$1,000, 1987..	518	1 062	2 398	1 512	1 046	762	772
All other farm production expenses ----- farms, 1987..	517	750	1 164	914	591	598	681
----- \$1,000, 1987..	1 288	2 813	11 402	5 711	3 097	1 984	2 793

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Eddy	Emmons	Foster	Golden Valley	Grand Forks	Grant	Griggs
Total farm production expenses ----- farms, 1987..	327	868	377	262	894	688	443
\$1,000, 1987..	14 304	33 876	25 348	16 300	75 955	30 070	22 058
Average per farm ----- dollars, 1987..	43 742	39 028	67 237	82 213	84 961	43 706	49 792
Livestock and poultry purchased ----- farms, 1987..	93	388	73	100	124	277	116
1982..	109	344	65	136	163	294	107
\$1,000, 1987..	773	4 805	3 128	3 221	2 160	2 635	1 592
1982..	585	3 512	552	3 098	1 822	2 291	1 118
Feed for livestock and poultry ----- farms, 1987..	155	474	142	168	180	505	168
1982..	180	510	109	183	214	440	154
\$1,000, 1987..	636	2 593	2 015	1 774	915	2 239	653
1982..	697	2 262	518	2 170	1 421	1 853	829
Commercially mixed formula feeds ----- farms, 1987..	63	237	77	64	75	180	54
1982..	48	260	20	94	74	175	62
\$1,000, 1987..	427	986	276	172	522	405	133
1982..	378	1 189	105	307	789	746	402
Seeds, bulbs, plants, and trees ----- farms, 1987..	245	604	290	151	751	500	304
1982..	245	526	235	121	721	469	348
\$1,000, 1987..	1 133	1 261	1 532	238	6 419	1 088	1 457
1982..	971	842	1 190	217	6 702	781	1 185
Commercial fertilizer <sup>1</sup> ----- farms, 1987..	192	533	242	195	753	402	327
1982..	213	216	224	180	825	265	356
\$1,000, 1987..	1 267	2 442	2 214	889	10 012	1 681	2 255
1982..	1 440	575	2 089	703	10 680	755	2 406
Agricultural chemicals <sup>1</sup> ----- farms, 1987..	258	581	312	223	808	435	359
1982..	217	361	217	202	777	348	364
\$1,000, 1987..	1 028	1 855	1 605	1 113	6 103	1 609	1 499
1982..	818	848	1 134	531	6 449	828	1 361
Petroleum products ----- farms, 1987..	322	848	374	260	881	649	419
1982..	345	849	345	288	957	685	457
\$1,000, 1987..	1 583	3 468	2 243	1 324	6 615	3 019	2 124
1982..	2 796	4 558	3 002	1 727	9 625	3 929	3 285
Gasoline and gasohol ----- farms, 1987..	298	784	331	243	788	612	407
1982..	334	826	342	279	908	684	456
\$1,000, 1987..	553	1 567	768	594	2 273	1 567	760
1982..	949	2 377	1 056	780	3 547	2 009	1 803
Diesel fuel ----- farms, 1987..	287	688	345	231	795	470	374
1982..	294	712	286	207	860	556	413
\$1,000, 1987..	847	1 567	1 225	536	3 705	1 109	1 184
1982..	1 413	1 724	1 478	656	4 905	1 534	1 628
Natural gas ----- farms, 1987..	20	28	8	32	8	28	2
1982..	5	2	2	21	10	29	-
\$1,000, 1987..	19	22	16	27	14	14	(D)
1982..	22	(D)	(D)	25	10	16	-
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987..	279	779	354	242	812	603	401
1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987..	165	311	234	168	624	329	(D)
1982..	412	(D)	(D)	266	1 163	370	354
Electricity ----- farms, 1987..	280	756	280	211	700	588	346
1982..	307	634	282	231	797	560	391
\$1,000, 1987..	328	890	436	228	884	609	406
1982..	332	727	374	274	960	663	398
Hired farm labor ----- farms, 1987..	100	332	162	124	553	304	184
1982..	156	343	90	121	483	260	228
\$1,000, 1987..	452	935	1 251	1 051	6 002	1 222	633
1982..	682	796	834	448	5 209	780	761
Contract labor ----- farms, 1987..	42	58	26	36	63	25	31
1982..	8	23	19	7	35	17	13
\$1,000, 1987..	62	56	198	(D)	235	186	37
1982..	21	35	40	45	162	34	38
Repair and maintenance ----- farms, 1987..	304	766	327	240	802	645	417
\$1,000, 1987..	1 423	3 392	2 151	1 173	6 645	3 166	2 068
Customwork, machine hire, and rental of machinery and equipment <sup>2</sup> ----- farms, 1987..	139	466	203	148	407	288	208
1982..	165	341	135	134	387	257	226
\$1,000, 1987..	306	1 023	784	372	1 718	727	575
1982..	494	527	734	277	1 454	712	492
Interest paid <sup>3</sup> ----- farms, 1987..	233	600	308	144	631	501	327
1982..	224	456	218	157	662	419	344
\$1,000, 1987..	1 581	4 243	2 701	(D)	7 060	4 829	2 686
1982..	2 636	3 747	3 291	2 269	10 574	4 595	4 285
Interest paid on debt: Secured by real estate ----- farms, 1987..	149	424	172	99	384	405	167
\$1,000, 1987..	983	3 023	1 600	977	3 785	3 128	1 497
Not secured by real estate ----- farms, 1987..	140	342	240	83	423	251	260
\$1,000, 1987..	598	1 219	1 101	(D)	3 296	1 700	1 189
Cash rent ----- farms, 1987..	198	422	203	99	524	323	217
\$1,000, 1987..	1 579	2 634	2 158	1 191	12 089	2 671	3 074
Property taxes paid ----- farms, 1987..	245	733	310	231	744	642	364
\$1,000, 1987..	577	1 117	639	490	1 526	980	745
All other farm production expenses ----- farms, 1987..	322	822	377	260	877	656	429
\$1,000, 1987..	1 574	3 161	2 294	1 692	7 571	3 410	2 252

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item		Hettinger	Kidder	La Moure	Logan	McHenry	McIntosh	McKenzie
Total farm production expenses	farms, 1987..	524	558	737	532	963	556	751
	\$1,000, 1987..	26 936	22 471	40 222	28 007	33 897	24 896	28 786
Average per farm	dollars, 1987..	51 404	40 271	54 576	52 645	35 199	44 777	38 331
Livestock and poultry purchased	farms, 1987..	174	252	237	225	321	234	268
	1982..	170	216	305	282	310	270	262
	\$1,000, 1987..	1 658	(D)	2 308	5 042	2 876	4 092	2 243
	1982..	1 205	2 700	2 740	5 193	2 932	2 577	2 471
Feed for livestock and poultry	farms, 1987..	245	351	317	357	506	327	433
	1982..	293	385	444	380	447	366	396
	\$1,000, 1987..	1 003	1 431	2 322	2 508	1 946	2 068	2 323
	1982..	1 222	1 752	2 463	1 737	2 079	1 601	1 828
Commercially mixed formula feeds	farms, 1987..	115	141	196	161	198	134	131
	1982..	133	154	193	170	177	133	125
	\$1,000, 1987..	226	319	1 298	637	490	774	424
	1982..	203	643	1 140	790	758	778	714
Seeds, bulbs, plants, and trees	farms, 1987..	435	400	653	442	565	354	417
	1982..	322	331	566	287	467	365	359
	\$1,000, 1987..	1 210	781	2 646	881	1 732	787	907
	1982..	991	696	2 225	633	1 377	738	704
Commercial fertilizer <sup>1</sup>	farms, 1987..	437	180	559	342	597	282	422
	1982..	270	152	480	132	424	141	364
	\$1,000, 1987..	2 864	961	3 468	1 390	2 746	1 101	1 853
	1982..	1 744	483	3 007	535	2 160	300	1 103
Agricultural chemicals <sup>1</sup>	farms, 1987..	484	362	615	435	718	397	540
	1982..	302	306	558	298	518	288	390
	\$1,000, 1987..	2 506	1 218	2 713	1 226	2 435	1 380	1 683
	1982..	1 841	695	2 035	649	1 796	749	1 113
Petroleum products	farms, 1987..	517	553	724	501	919	535	735
	1982..	501	566	765	536	961	590	772
	\$1,000, 1987..	2 590	2 413	4 030	2 421	3 441	2 399	3 027
	1982..	4 165	3 520	5 570	3 156	4 889	3 343	4 143
Gasoline and gasohol	farms, 1987..	503	531	655	464	804	525	693
	1982..	489	566	737	524	911	580	742
	\$1,000, 1987..	1 123	1 009	1 527	997	1 572	1 107	1 472
	1982..	1 856	1 747	2 217	1 545	2 264	1 600	1 992
Diesel fuel	farms, 1987..	489	522	662	476	731	449	576
	1982..	439	497	655	447	802	512	609
	\$1,000, 1987..	1 240	1 176	1 941	1 194	1 528	1 056	1 225
	1982..	2 114	1 451	2 564	1 277	2 100	1 375	1 671
Natural gas	farms, 1987..	21	10	44	13	26	13	16
	1982..	11	2	2	-	1	-	11
	\$1,000, 1987..	13	13	49	29	21	33	4
	1982..	8	(D)	(D)	-	(D)	-	7
LP gas, fuel oil, kerosene, motor oil, grease, etc.	farms, 1987..	504	521	676	463	805	481	637
	1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
	\$1,000, 1987..	214	215	513	201	320	203	326
	1982..	388	(D)	(D)	334	(D)	368	473
Electricity	farms, 1987..	426	505	650	476	800	433	591
	1982..	409	464	619	443	724	490	606
	\$1,000, 1987..	493	754	749	(D)	806	534	505
	1982..	520	737	852	560	691	537	490
Hired farm labor	farms, 1987..	251	267	258	215	417	213	255
	1982..	154	218	294	182	271	183	278
	\$1,000, 1987..	1 176	789	(D)	1 147	1 674	943	1 489
	1982..	1 042	717	1 454	1 019	1 204	607	1 334
Contract labor	farms, 1987..	36	42	52	22	117	65	161
	1982..	2	38	27	1	18	17	55
	\$1,000, 1987..	81	(D)	(D)	(D)	140	132	616
	1982..	(D)	19	44	(D)	16	70	319
Repair and maintenance	farms, 1987..	461	525	676	491	856	493	620
	1982..	2 365	2 302	3 828	2 676	3 485	2 219	2 665
Customwork, machine hire, and rental of machinery and equipment <sup>2</sup>	farms, 1987..	284	261	469	323	356	253	378
	1982..	207	302	393	264	316	214	360
	\$1,000, 1987..	1 083	455	1 318	884	679	487	832
	1982..	862	455	1 266	567	470	365	1 066
Interest paid <sup>3</sup>	farms, 1987..	349	410	532	405	600	405	388
	1982..	374	409	571	403	535	454	474
	\$1,000, 1987..	3 229	3 068	4 567	3 230	4 455	3 412	3 384
	1982..	5 650	5 039	8 007	4 820	6 209	4 142	4 663
Interest paid on debt:								
Secured by real estate	farms, 1987..	238	309	358	283	466	309	295
	\$1,000, 1987..	2 188	(D)	3 040	2 125	3 144	2 531	2 289
Not secured by real estate	farms, 1987..	206	233	347	238	328	211	191
	\$1,000, 1987..	1 041	(D)	1 527	1 105	1 311	881	1 096
Cash rent	farms, 1987..	313	256	435	368	366	300	336
	\$1,000, 1987..	3 410	2 034	5 384	2 724	2 691	1 794	2 625
Property taxes paid	farms, 1987..	426	517	619	433	850	460	650
	\$1,000, 1987..	732	790	1 126	769	1 203	854	902
All other farm production expenses	farms, 1987..	519	558	737	514	934	540	737
	\$1,000, 1987..	2 538	2 707	4 259	2 390	3 588	2 692	3 732

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	McLean	Mercer	Morton	Mountrail	Nelson	Oliver	Pembina
Total farm production expenses ----- farms, 1987..	1 058	575	984	873	564	367	763
\$1,000, 1987..	39 627	15 629	41 726	26 402	30 438	11 901	77 827
Average per farm -----dollars, 1987..	37 455	27 181	42 405	30 242	53 968	32 428	102 001
Livestock and poultry purchased ----- farms, 1987..	267	257	436	230	104	176	83
1982..	292	230	521	200	105	153	116
\$1,000, 1987..	2 496	1 989	6 522	1 618	688	1 133	2 076
1982..	2 181	2 336	5 284	1 525	764	1 039	812
Feed for livestock and poultry ----- farms, 1987..	416	321	739	278	197	227	133
1982..	493	299	721	306	243	214	230
\$1,000, 1987..	1 180	846	3 542	552	1 539	998	1 176
1982..	1 480	1 017	4 341	673	2 202	818	906
Commercially mixed formula feeds ----- farms, 1987..	127	87	276	117	87	77	57
1982..	120	106	325	78	82	71	90
\$1,000, 1987..	359	252	1 224	179	1 193	387	324
1982..	641	317	1 548	106	1 821	389	392
Seeds, bulbs, plants, and trees ----- farms, 1987..	773	340	616	573	503	235	643
1982..	728	188	665	418	496	252	690
\$1,000, 1987..	2 024	422	916	1 080	2 172	323	5 883
1982..	1 954	280	853	725	1 896	216	5 079
Commercial fertilizer <sup>1</sup> ----- farms, 1987..	693	332	575	461	499	186	656
1982..	572	242	372	329	477	148	677
\$1,000, 1987..	3 692	840	1 842	2 003	3 855	632	9 743
1982..	2 469	752	1 074	1 018	3 259	357	9 786
Agricultural chemicals <sup>1</sup> ----- farms, 1987..	845	356	675	720	505	242	672
1982..	771	223	402	556	474	221	719
\$1,000, 1987..	3 516	736	2 186	2 884	2 303	612	6 800
1982..	2 774	505	1 082	1 984	1 915	406	6 751
Petroleum products ----- farms, 1987..	1 041	548	949	864	556	358	756
1982..	1 149	542	954	881	632	336	841
\$1,000, 1987..	4 712	1 618	3 880	3 310	3 506	1 240	5 485
1982..	6 761	2 249	4 816	4 171	4 979	1 705	8 007
Gasoline and gasohol ----- farms, 1987..	957	506	893	808	535	335	718
1982..	1 105	532	937	850	612	336	833
\$1,000, 1987..	1 812	729	2 055	1 350	1 214	583	1 912
1982..	2 677	1 128	2 285	1 674	1 836	841	3 180
Diesel fuel ----- farms, 1987..	908	453	703	815	529	287	667
1982..	1 021	382	741	776	562	291	734
\$1,000, 1987..	2 386	736	1 407	1 561	1 957	536	3 061
1982..	3 186	893	1 957	1 967	2 529	705	3 986
Natural gas ----- farms, 1987..	30	1	14	20	20	1	31
1982..	33	1	43	1	-	1	6
\$1,000, 1987..	19	(D)	13	22	26	(D)	25
1982..	95	(D)	38	(D)	-	(D)	4
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987..	912	484	867	797	537	303	725
1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987..	495	(D)	405	376	310	(D)	486
1982..	803	(D)	536	(D)	615	(D)	837
Electricity ----- farms, 1987..	909	499	810	718	452	289	662
1982..	920	442	719	713	504	267	689
\$1,000, 1987..	862	338	1 078	550	464	294	824
1982..	961	308	846	481	479	238	728
Hired farm labor ----- farms, 1987..	331	257	321	308	294	95	440
1982..	416	148	260	260	275	116	455
\$1,000, 1987..	1 150	926	2 509	655	1 382	397	7 061
1982..	1 350	408	1 251	928	1 555	344	5 423
Contract labor ----- farms, 1987..	88	52	95	64	57	55	98
1982..	40	15	26	19	17	8	61
\$1,000, 1987..	121	76	194	113	119	68	470
1982..	53	23	22	62	102	4	232
Repair and maintenance ----- farms, 1987..	963	513	914	782	538	335	723
\$1,000, 1987..	4 858	1 590	3 877	3 261	2 982	1 284	5 594
Customwork, machine hire, and rental of machinery and equipment <sup>2</sup> ----- farms, 1987..	475	271	415	342	258	137	491
1982..	513	146	323	289	288	94	362
\$1,000, 1987..	1 000	453	883	801	847	126	2 608
1982..	1 429	359	641	630	894	161	1 658
Interest paid <sup>3</sup> ----- farms, 1987..	639	319	699	546	378	262	583
1982..	692	338	602	451	459	203	659
\$1,000, 1987..	4 951	1 889	4 929	3 308	3 246	1 727	8 018
1982..	6 717	3 781	6 147	3 647	5 956	1 550	10 093
Interest paid on debt: Secured by real estate ----- farms, 1987..	445	202	538	343	274	165	377
\$1,000, 1987..	3 404	1 221	3 136	2 184	2 310	895	5 151
Not secured by real estate ----- farms, 1987..	416	158	360	316	214	162	384
\$1,000, 1987..	1 547	667	1 793	1 124	936	833	2 867
Cash rent ----- farms, 1987..	435	275	441	325	296	217	548
\$1,000, 1987..	4 294	1 541	3 496	2 341	3 427	1 385	12 759
Property taxes paid ----- farms, 1987..	952	524	891	743	480	325	639
\$1,000, 1987..	1 128	531	1 359	1 030	948	315	1 651
All other farm production expenses ----- farms, 1987..	1 015	547	850	853	558	345	756
\$1,000, 1987..	3 643	1 834	4 515	2 896	2 961	1 366	7 681

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Pierce	Ramsey	Ransom	Renville	Richland	Rolette	Sargent
Total farm production expenses ----- farms, 1987--	578	634	499	454	1 127	538	540
\$1,000, 1987--	20 940	35 785	36 735	18 270	90 981	16 248	33 169
Average per farm ----- dollars, 1987--	36 229	56 443	73 618	40 243	80 728	30 200	61 423
Livestock and poultry purchased ----- farms, 1987--	136	88	237	67	342	153	147
1982--	196	107	208	72	275	138	199
\$1,000, 1987--	905	491	2 786	439	5 153	1 061	2 424
1982--	1 513	343	1 759	469	3 623	1 157	1 943
Feed for livestock and poultry ----- farms, 1987--	240	111	298	114	420	223	231
1982--	270	167	281	115	484	228	338
\$1,000, 1987--	1 004	292	2 139	266	3 192	600	1 491
1982--	929	603	1 321	373	2 300	589	1 785
Commercially mixed formula feeds ----- farms, 1987--	109	49	124	37	214	71	109
1982--	81	62	105	37	202	57	158
\$1,000, 1987--	451	56	1 324	124	974	102	428
1982--	342	215	504	165	1 031	201	654
Seeds, bulbs, plants, and trees ----- farms, 1987--	416	564	375	352	976	328	449
1982--	329	474	386	321	1 019	250	472
\$1,000, 1987--	1 101	2 476	2 284	999	5 868	884	2 411
1982--	909	2 080	1 960	738	5 777	708	1 898
Commercial fertilizer <sup>1</sup> ----- farms, 1987--	402	539	329	344	958	319	411
1982--	348	501	360	318	994	275	445
\$1,000, 1987--	2 028	4 499	3 946	2 218	10 728	1 818	3 530
1982--	1 361	4 424	3 353	1 640	12 641	2 109	3 728
Agricultural chemicals <sup>1</sup> ----- farms, 1987--	477	594	335	398	995	380	426
1982--	408	481	350	394	978	324	463
\$1,000, 1987--	2 284	3 092	2 336	2 007	6 734	1 609	2 392
1982--	1 458	2 882	1 766	1 637	7 500	1 237	2 104
Petroleum products ----- farms, 1987--	549	634	485	446	1 092	530	506
1982--	589	689	521	480	1 185	533	589
\$1,000, 1987--	2 504	4 137	3 268	2 267	6 877	1 985	2 739
1982--	4 429	5 852	3 907	2 935	11 089	2 936	4 342
Gasoline and gasohol ----- farms, 1987--	489	594	452	377	1 011	463	467
1982--	588	679	519	426	1 111	522	579
\$1,000, 1987--	1 053	1 258	1 074	776	2 123	639	927
1982--	1 736	1 949	1 468	982	3 634	1 138	1 810
Diesel fuel ----- farms, 1987--	461	600	370	417	943	471	450
1982--	507	601	380	464	1 054	428	514
\$1,000, 1987--	1 172	2 456	1 773	1 228	3 568	1 150	1 501
1982--	2 138	3 056	1 833	1 618	5 086	1 397	1 892
Natural gas ----- farms, 1987--	8	26	2	10	38	8	15
1982--	-	8	-	6	11	1	7
\$1,000, 1987--	18	19	(D)	10	70	6	19
1982--	-	4	-	12	39	(D)	3
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987--	467	610	421	402	1 020	474	468
1982--	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987--	261	404	(D)	253	1 116	190	292
1982--	555	843	607	323	2 330	(D)	638
Electricity ----- farms, 1987--	498	575	413	368	947	451	419
1982--	458	583	444	348	998	426	468
\$1,000, 1987--	625	517	638	325	1 332	370	(D)
1982--	557	556	441	271	1 242	350	724
Hired farm labor ----- farms, 1987--	214	326	206	192	449	138	255
1982--	214	339	178	154	451	179	259
\$1,000, 1987--	682	1 559	1 672	590	4 400	549	976
1982--	859	1 323	905	633	3 841	834	1 423
Contract labor ----- farms, 1987--	67	44	27	24	100	22	21
1982--	4	26	22	7	48	6	20
\$1,000, 1987--	88	156	49	23	604	22	(D)
1982--	10	36	76	10	311	23	60
Repair and maintenance ----- farms, 1987--	502	622	470	397	1 037	489	494
\$1,000, 1987--	2 640	3 851	2 852	1 760	7 060	1 758	2 489
Customwork, machine hire, and rental of machinery and equipment <sup>2</sup> ----- farms, 1987--	253	341	261	184	547	156	300
1982--	225	397	265	196	512	170	304
\$1,000, 1987--	453	1 443	807	483	1 779	442	1 101
1982--	481	1 669	490	338	1 342	412	783
Interest paid <sup>3</sup> ----- farms, 1987--	383	410	381	296	814	327	384
1982--	397	469	376	280	856	298	431
\$1,000, 1987--	2 350	3 977	4 249	2 099	11 713	1 554	4 230
1982--	4 143	6 167	5 413	3 086	15 610	2 964	5 658
Interest paid on debt: Secured by real estate ----- farms, 1987--	267	268	268	199	575	226	288
\$1,000, 1987--	1 555	2 858	2 922	1 506	7 832	1 085	2 803
Not secured by real estate ----- farms, 1987--	239	270	227	189	504	184	234
\$1,000, 1987--	795	1 120	1 327	594	3 881	469	1 428
Cash rent ----- farms, 1987--	192	340	256	184	684	231	333
\$1,000, 1987--	1 343	4 646	5 229	2 147	14 900	1 284	4 545
Property taxes paid ----- farms, 1987--	508	523	432	357	968	473	475
\$1,000, 1987--	893	1 191	817	621	2 242	696	951
All other farm production expenses ----- farms, 1987--	578	624	494	437	1 075	513	532
\$1,000, 1987--	2 042	3 516	3 663	2 026	8 400	1 615	3 204

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text.]

Item	Sheridan	Sioux	Slope	Stark	Steele	Stutsman
Total farm production expenses ----- farms, 1987..	471	228	299	824	397	1 112
\$1,000, 1987..	16 802	10 888	14 611	33 579	31 524	65 733
Average per farm -----dollars, 1987..	35 674	47 755	48 866	40 751	79 405	59 112
Livestock and poultry purchased ----- farms, 1987..	142	79	123	343	66	377
1982..	167	133	113	438	58	457
\$1,000, 1987..	794	1 366	1 627	5 851	(D)	4 870
1982..	558	1 555	995	4 610	338	4 170
Feed for livestock and poultry ----- farms, 1987..	233	113	221	502	76	484
1982..	277	176	176	518	97	573
\$1,000, 1987..	586	671	917	1 938	327	2 757
1982..	1 046	1 089	971	2 361	238	2 528
Commercially mixed formula feeds ----- farms, 1987..	100	50	75	208	14	181
1982..	92	86	81	233	11	256
\$1,000, 1987..	171	199	212	578	87	933
1982..	596	403	349	917	58	902
Seeds, bulbs, plants, and trees ----- farms, 1987..	316	157	229	528	378	868
1982..	285	141	218	358	370	788
\$1,000, 1987..	738	286	341	1 327	2 679	3 706
1982..	699	267	441	658	2 228	3 396
Commercial fertilizer <sup>1</sup> ----- farms, 1987..	275	111	192	513	371	791
1982..	241	67	179	348	386	674
\$1,000, 1987..	1 540	469	999	1 982	4 258	5 943
1982..	1 037	179	673	853	4 263	5 360
Agricultural chemicals <sup>1</sup> ----- farms, 1987..	368	122	224	659	382	927
1982..	306	88	221	421	382	813
\$1,000, 1987..	1 258	314	1 108	2 176	2 838	4 330
1982..	907	193	815	999	2 245	3 679
Petroleum products ----- farms, 1987..	470	222	298	802	396	1 083
1982..	495	219	295	769	440	1 134
\$1,000, 1987..	1 945	974	1 470	3 243	2 868	6 201
1982..	3 056	1 378	2 038	4 156	4 717	9 533
Gasoline and gasohol ----- farms, 1987..	409	212	255	756	376	1 008
1982..	482	218	285	755	432	1 073
\$1,000, 1987..	799	495	728	1 595	946	2 322
1982..	1 345	718	1 068	2 041	1 653	3 664
Diesel fuel ----- farms, 1987..	423	167	230	672	365	928
1982..	432	163	270	618	427	950
\$1,000, 1987..	957	389	575	1 271	1 649	3 138
1982..	1 377	477	773	1 569	2 441	4 688
Natural gas ----- farms, 1987..	2	10	6	50	8	12
1982..	6	5	1	24	1	12
\$1,000, 1987..	(D)	6	5	44	6	24
1982..	1	4	(D)	18	(D)	13
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987..	411	193	257	696	381	1 028
1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987..	(D)	84	162	333	266	718
1982..	334	180	(D)	528	(D)	1 168
Electricity ----- farms, 1987..	355	169	243	701	349	866
1982..	390	189	244	669	380	945
\$1,000, 1987..	404	228	(D)	656	394	1 351
1982..	359	269	268	559	395	1 272
Hired farm labor ----- farms, 1987..	175	90	118	373	255	543
1982..	90	132	131	233	223	409
\$1,000, 1987..	394	(D)	1 138	1 215	1 707	3 008
1982..	229	408	511	938	1 431	2 986
Contract labor ----- farms, 1987..	37	25	12	86	29	103
1982..	19	2	-	15	9	43
\$1,000, 1987..	82	(D)	(D)	183	(D)	234
1982..	50	(D)	-	14	21	98
Repair and maintenance ----- farms, 1987..	451	183	263	742	386	1 025
\$1,000, 1987..	2 500	1 045	1 373	3 423	2 692	6 393
Customwork, machine hire, and rental of machinery and equipment <sup>2</sup> ----- farms, 1987..	184	96	158	320	187	615
1982..	181	106	139	276	200	620
\$1,000, 1987..	354	277	391	569	638	2 862
1982..	387	278	445	449	575	2 520
Interest paid <sup>3</sup> ----- farms, 1987..	336	144	224	519	319	783
1982..	330	146	211	503	400	808
\$1,000, 1987..	2 370	1 576	1 960	3 838	3 973	7 246
1982..	3 166	2 208	2 944	4 942	6 022	13 577
Interest paid on debt: Secured by real estate ----- farms, 1987..	245	122	163	370	206	518
\$1,000, 1987..	1 554	945	1 480	2 665	2 509	4 727
Not secured by real estate ----- farms, 1987..	158	78	120	293	243	510
\$1,000, 1987..	816	631	481	1 174	1 464	2 519
Cash rent ----- farms, 1987..	232	141	135	371	233	660
\$1,000, 1987..	1 386	(D)	935	2 755	(D)	7 734
Property taxes paid ----- farms, 1987..	376	195	270	697	328	859
\$1,000, 1987..	632	407	353	973	863	1 957
All other farm production expenses ----- farms, 1987..	444	209	281	797	397	1 091
\$1,000, 1987..	1 819	1 526	1 551	3 451	3 081	7 142

See footnotes at end of table.

**Table 3. Farm Production Expenses: 1987 and 1982—Con.**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Towner	Traill	Walsh	Ward	Wells	Williams
Total farm production expenses ----- farms, 1987..	557	604	927	1 215	685	948
\$1,000, 1987..	29 747	56 882	93 455	43 977	40 792	29 848
Average per farm -----dollars, 1987..	53 406	94 175	100 814	36 195	59 550	31 485
Livestock and poultry purchased ----- farms, 1987..	37	42	130	309	180	189
1982..	103	82	161	304	218	164
\$1,000, 1987..	226	1 127	920	1 900	3 633	1 519
1982..	531	742	1 163	1 967	3 153	1 260
Feed for livestock and poultry ----- farms, 1987..	108	78	235	469	266	346
1982..	139	76	211	476	295	363
\$1,000, 1987..	499	378	792	1 819	2 123	1 333
1982..	539	348	917	1 465	2 132	902
Commercially mixed formula feeds ----- farms, 1987..	33	33	82	173	118	85
1982..	43	22	48	124	70	75
\$1,000, 1987..	315	72	189	531	570	160
1982..	54	86	158	589	1 603	171
Seeds, bulbs, plants, and trees ----- farms, 1987..	410	586	811	788	580	607
1982..	377	562	747	745	476	446
\$1,000, 1987..	1 752	4 669	8 844	2 120	2 635	1 105
1982..	1 421	4 122	6 744	2 080	2 077	917
Commercial fertilizer <sup>1</sup> ----- farms, 1987..	427	558	826	864	556	419
1982..	421	590	790	666	440	319
\$1,000, 1987..	3 573	7 168	10 592	4 959	4 163	1 654
1982..	3 315	6 567	9 932	4 278	3 436	1 188
Agricultural chemicals <sup>1</sup> ----- farms, 1987..	484	586	878	1 002	581	740
1982..	444	593	777	788	599	707
\$1,000, 1987..	3 006	5 957	7 785	3 861	3 088	3 112
1982..	2 543	4 657	7 193	3 107	2 349	2 191
Petroleum products ----- farms, 1987..	548	603	924	1 140	681	947
1982..	552	685	975	1 257	726	969
\$1,000, 1987..	3 383	4 271	7 023	4 596	3 662	3 426
1982..	5 067	5 849	8 979	7 133	6 090	5 349
Gasoline and gasohol ----- farms, 1987..	498	543	864	1 019	651	884
1982..	514	666	952	1 213	703	900
\$1,000, 1987..	1 068	1 462	2 672	1 654	1 339	1 368
1982..	1 651	2 161	3 589	2 814	1 956	2 081
Diesel fuel ----- farms, 1987..	519	555	848	1 024	616	834
1982..	532	582	897	1 032	634	861
\$1,000, 1987..	1 967	2 421	3 651	2 456	1 933	1 690
1982..	2 808	3 151	4 472	3 471	3 217	2 679
Natural gas ----- farms, 1987..	33	16	34	16	16	26
1982..	1	15	7	7	4	13
\$1,000, 1987..	41	25	48	12	24	14
1982..	(D)	5	5	28	3	2
LP gas, fuel oil, kerosene, motor oil, grease, etc. ----- farms, 1987..	484	566	866	1 029	605	904
1982..	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
\$1,000, 1987..	307	364	652	474	365	355
1982..	(D)	531	913	820	914	587
Electricity ----- farms, 1987..	453	503	781	952	539	761
1982..	439	543	791	956	558	758
\$1,000, 1987..	512	562	1 221	784	777	538
1982..	538	501	991	839	589	520
Hired farm labor ----- farms, 1987..	267	381	511	379	264	325
1982..	257	389	492	400	296	322
\$1,000, 1987..	1 252	3 952	8 853	1 585	1 634	710
1982..	1 210	2 952	5 844	1 620	1 154	1 169
Contract labor ----- farms, 1987..	58	72	97	100	67	108
1982..	11	51	65	52	44	31
\$1,000, 1987..	270	353	456	188	91	316
1982..	27	162	467	101	111	131
Repair and maintenance ----- farms, 1987..	507	550	879	1 000	629	825
\$1,000, 1987..	2 972	4 300	8 277	4 329	3 510	3 529
Customwork, machine hire, and rental of machinery and equipment <sup>2</sup> ----- farms, 1987..	316	291	507	497	295	379
1982..	297	330	402	467	277	385
\$1,000, 1987..	1 052	1 241	1 942	1 217	992	692
1982..	802	1 101	1 570	1 109	1 035	880
Interest paid <sup>3</sup> ----- farms, 1987..	381	474	651	713	477	549
1982..	369	469	683	839	518	518
\$1,000, 1987..	4 396	6 837	7 960	5 594	4 387	4 208
1982..	4 979	8 502	8 869	9 356	8 089	5 175
Interest paid on debt: Secured by real estate ----- farms, 1987..	276	339	484	513	322	397
\$1,000, 1987..	3 100	4 616	5 038	4 083	2 773	2 906
Not secured by real estate ----- farms, 1987..	239	332	366	381	320	305
\$1,000, 1987..	1 296	2 221	2 923	1 511	1 614	1 302
Cash rent ----- farms, 1987..	244	415	615	495	342	388
\$1,000, 1987..	2 811	9 707	17 393	5 309	4 242	3 168
Property taxes paid ----- farms, 1987..	480	484	814	1 001	602	838
\$1,000, 1987..	920	1 381	2 081	1 692	1 125	1 304
All other farm production expenses ----- farms, 1987..	543	596	909	1 142	673	938
\$1,000, 1987..	3 121	4 979	9 307	4 024	4 730	3 234

<sup>1</sup>Data for 1987 include cost of custom applications.

<sup>2</sup>Data for 1987 exclude cost of custom applications for commercial fertilizer and agricultural chemicals.

<sup>3</sup>Data for 1982 do not include imputation for item nonresponse.