



**Souris-Red-Rainy
Water Resource Region 09
HUC6 Level Watersheds**

Source: U.S. Geological Survey

**Souris-Red-Rainy
Water Resource Region 09**

Watershed Name	Hydrologic Unit Code
Souris	090100
Upper Red	090201
Devils Lake-Sheyenne	090202
Lower Red	090203
Rainy	090300
Upper South Saskatchewan River	090400

Table 1. Summary by Hydrologic Unit Code: 2022 and 2017 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	United States		H09 Souris-Red-Rainy		H090100	
	2022	2017	2022	2017	2022	2017
FARMS AND LAND IN FARMS						
Farmsnumber	1,900,487	2,042,220	23,153	24,400	3,051	3,389
Land in farmsacres	880,100,848	900,217,576	23,382,455	24,976,829	4,619,439	5,006,643
LAND USE AND PRACTICES						
Total croplandfarms	1,394,069	1,475,627	21,369	22,335	2,792	3,015
Harvested croplandacres	382,356,350	396,433,817	19,919,770	21,367,267	3,571,294	3,967,511
Other pasture and grazing land that could have been used for crops without additional improvementfarms	1,153,206	1,245,548	15,583	16,414	2,193	2,374
Cropland idle or used for cover crops or soil-improvement but not harvested and not pastured or grazedacres	301,327,737	320,041,858	16,834,625	18,947,603	3,008,079	3,462,801
Cropland on which all crops failed or were abandonedfarms	128,992	137,707	1,000	1,078	128	175
Cropland in summer fallowacres	12,964,955	13,825,975	162,970	182,131	62,625	82,734
Woodland pasturedfarms	374,148	374,252	11,073	10,667	1,308	1,318
Woodland not pasturedacres	34,757,909	36,003,378	2,059,831	1,852,056	315,353	325,955
Permanent pasture and rangeland, other than cropland and woodland pasturedfarms	95,601	79,334	1,489	1,124	261	204
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc.acres	16,178,536	9,542,580	358,335	213,276	103,789	44,851
Irrigated landfarms	99,335	94,106	2,187	1,313	274	215
Harvested croplandacres	17,127,213	17,020,026	504,009	172,201	81,448	51,170
Pastureland and other landfarms	748,664	794,789	5,682	6,122	325	364
Cropland on which no-till practices were usedacres	72,066,694	73,092,054	574,930	583,597	71,243	85,075
Cropland on which conservation or reduced tillage, excluding no till, practices were used (see text)farms	289,977	326,279	1,807	2,023	167	197
Commercial fertilizer, lime, and soil conditioners usedacres	24,312,209	26,009,273	164,815	166,612	31,567	41,304
Manure usedfarms	559,329	575,911	4,652	4,931	203	216
Organic fertilizer usedacres	47,754,485	47,082,781	410,115	416,985	39,676	43,771
Acres treated to control - Insectsfarms	983,436	1,130,063	6,178	7,117	1,231	1,449
Weeds, grass, or brushacres	392,981,662	400,771,178	1,912,616	2,078,654	800,185	766,263
Nematodesfarms	1,110,440	1,183,307	12,259	13,342	1,528	1,792
Diseases in crops and orchardsacres	32,696,142	29,920,527	975,139	947,311	176,717	187,794
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms	284,598	294,235	675	658	56	55
Acres on which usedacres	54,930,363	58,013,907	187,111	216,999	(D)	7,652
Acres treated to control - Weeds, grass, or brushfarms	254,574	255,348	658	640	56	53
Acres treated to control - Nematodesacres	51,155,829	53,959,077	183,907	216,620	(D)	7,625
Acres treated to control - Diseases in crops and orchardsfarms	55,833	64,450	52	31	2	3
Acres treated to control - Chemicals used to control growth, thin fruit, ripen, or defoliateacres	3,774,534	4,054,830	3,204	379	(D)	27
Acres on which usedfarms	300,954	279,370	2,687	2,551	777	757
Acres on which usedacres	105,208,515	104,452,339	2,409,807	2,574,345	1,264,591	1,400,745
Acres on which usedfarms	228,221	217,069	5,919	5,937	878	952
Acres on which usedacres	97,061,179	97,753,854	7,305,328	7,952,924	1,486,462	1,611,967
FERTILIZERS AND CHEMICALS						
Commercial fertilizer, lime, and soil conditioners usedfarms	775,055	881,431	12,118	12,917	1,636	1,706
Manure usedacres treated	236,771,914	253,766,165	12,383,730	14,528,041	2,223,010	2,618,888
Organic fertilizer usedfarms	262,079	297,297	2,055	2,061	241	301
Acres treated to control - Insectsacres treated	22,169,010	23,888,525	166,393	206,961	17,563	22,450
Acres treated to control - Weeds, grass, or brushfarms	43,834	50,105	155	166	16	13
Acres treated to control - Nematodesacres treated	3,092,249	3,454,441	78,003	51,304	20,787	6,983
Acres treated to control - Diseases in crops and orchardsfarms	285,726	306,214	4,736	6,951	682	419
Acres treated to control - Chemicals used to control growth, thin fruit, ripen, or defoliateacres	82,860,848	112,440,971	4,193,754	6,782,902	811,886	476,072
Acres on which usedfarms	694,259	702,075	12,533	12,483	1,685	1,735
Acres on which usedacres	264,177,083	292,998,284	15,234,278	17,732,528	2,593,676	3,233,624
Acres on which usedfarms	70,690	46,714	853	676	84	32
Acres on which usedacres	21,210,813	14,672,861	532,994	499,593	79,855	(D)
Acres on which usedfarms	130,959	121,023	3,239	4,060	475	573
Acres on which usedacres	40,710,631	44,296,251	3,106,601	4,489,880	564,278	750,566
Acres on which usedfarms	77,811	38,207	1,153	933	153	127
Acres on which usedacres	19,078,575	14,743,773	652,556	726,355	89,655	139,236
SELECTED CROPS						
Corn, allfarms	306,053	328,101	5,065	6,100	321	440
Soybeans, for beansacres	86,576,380	90,847,976	2,504,674	3,171,757	(D)	152,165
Small grains (wheat, oats, barley, rye)farms	270,851	303,191	8,705	10,138	771	1,102
Cotton, allacres	84,599,236	90,149,480	5,676,744	7,339,908	617,152	877,888
Ricefarms	114,238	127,484	7,750	7,940	1,349	1,400
Land in vegetablesacres	41,010,357	42,159,714	4,910,062	4,682,811	1,275,832	1,327,915
Land in orchardsfarms	14,283	16,149	-	-	-	-
Nursery, greenhouse, floriculture, and sodacres	7,740,383	11,401,965	-	-	-	-
All other crops (other than those listed above)farms	3,824	4,637	-	-	-	-
Goats, all inventoryacres	2,279,958	2,395,054	-	-	-	-
Chickens, all inventoryfarms	69,452	74,276	371	404	25	22
Chickens, all inventoryacres	3,927,522	3,965,622	83,641	79,077	(D)	(D)
Chickens, all inventoryfarms	110,544	111,955	117	156	10	16
Chickens, all inventoryacres	6,203,085	5,665,600	290	331	10	(D)
Chickens, all inventoryfarms	53,483	48,643	106	127	9	13
Chickens, all inventoryacres	881,245	859,246	436	1,312	(D)	80
Chickens, all inventoryfarms	814,278	908,673	10,264	10,931	1,817	2,047
Chickens, all inventoryacres	70,942,492	75,154,871	3,658,781	3,672,415	957,197	1,104,701
LIVESTOCK AND POULTRY						
Cattle and calves inventoryfarms	732,123	882,692	4,250	5,549	724	1,005
Hogs and pigs inventorynumber	87,954,742	93,648,041	606,211	758,812	143,979	166,019
Sheep and lambs inventoryfarms	60,809	66,439	230	261	16	15
Total horses and ponies inventorynumber	73,817,751	72,381,007	226,976	261,581	27,017	(D)
Goats, all inventoryfarms	88,853	101,387	405	416	58	50
Chickens, all inventorynumber	5,104,328	5,391,252	30,434	38,833	3,969	3,601
Chickens, all inventoryfarms	372,810	459,526	1,948	2,562	319	528
Chickens, all inventorynumber	2,411,232	2,847,289	12,731	16,073	3,534	3,701
Chickens, all inventoryfarms	118,703	136,442	394	362	25	38
Chickens, all inventorynumber	2,529,599	2,698,636	8,588	5,275	728	673
Chickens, all inventoryfarms	262,573	256,036	1,020	915	99	99
Chickens, all inventorynumber	2,277,935,374	2,127,170,289	1,338,873	1,163,472	(D)	2,787

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Table 1. Summary by Hydrologic Unit Code: 2022 and 2017 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	H090201		H090202		H090203	
	2022	2017	2022	2017	2022	2017
FARMS AND LAND IN FARMS						
Farmsnumber	7,182	7,801	4,517	4,735	7,742	7,635
Land in farmsacres	5,726,559	6,112,307	5,836,807	6,521,022	6,914,222	6,957,216
LAND USE AND PRACTICES						
Total croplandfarms	6,594	7,150	4,193	4,385	7,219	7,079
Harvested croplandacres	5,126,248	5,485,816	4,931,853	5,511,113	6,124,247	6,202,232
Other pasture and grazing land that could have been used for crops without additional improvementfarms	4,892	5,379	2,902	3,193	5,112	4,857
.....acres	4,484,820	5,083,839	3,990,668	4,811,313	5,214,883	5,431,012
Cropland idle or used for cover crops or soil-improvement but not harvested and not pastured or grazedfarms	320	297	161	201	335	334
.....acres	29,001	24,603	25,904	40,630	38,272	29,450
Cropland on which all crops failed or were abandonedfarms	3,446	3,226	2,443	2,211	3,721	3,737
.....acres	466,753	343,186	594,624	500,588	668,084	660,121
Cropland in summer fallowfarms	413	291	374	319	384	252
.....acres	69,039	18,077	106,577	109,833	73,569	38,615
Cropland in summer fallowfarms	484	218	575	302	747	475
.....acres	76,635	16,111	214,080	48,749	129,439	43,034
Total woodlandfarms	1,929	2,076	422	484	2,539	2,641
.....acres	147,079	143,326	23,985	25,228	275,718	260,913
Woodland pasturedfarms	599	619	124	153	756	830
.....acres	53,522	31,121	10,287	(D)	61,317	69,367
Woodland not pasturedfarms	1,610	1,717	335	369	2,111	2,189
.....acres	93,557	112,205	13,701	(D)	214,401	191,546
Permanent pasture and rangeland, other than cropland and woodland pasturedfarms	1,721	1,950	1,309	1,561	1,618	1,790
.....acres	221,373	236,199	629,158	700,430	218,374	281,132
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc.farms	3,971	4,438	2,300	2,454	3,974	4,100
.....acres	231,859	246,966	251,808	284,251	295,883	212,939
Irrigated landfarms	347	307	103	115	149	135
.....acres	85,267	106,413	22,332	43,150	63,870	49,495
Harvested croplandfarms	334	304	99	113	149	126
.....acres	84,843	106,333	(D)	43,061	63,169	49,344
Pastureland and other landfarms	25	8	13	6	12	11
.....acres	424	80	(D)	89	701	151
Cropland on which no-till practices were usedfarms	648	619	677	711	543	408
.....acres	244,331	285,308	587,408	667,670	307,727	186,127
Cropland on which conservation or reduced tillage, excluding no till, practices were used (see text)farms	1,777	1,875	1,415	1,493	1,787	1,558
.....acres	1,562,779	1,837,524	2,261,383	2,503,622	1,956,797	1,972,849
FERTILIZERS AND CHEMICALS						
Commercial fertilizer, lime, and soil conditioners usedfarms	3,867	4,482	2,367	2,582	4,086	3,921
.....acres treated	3,036,405	3,653,321	3,002,797	3,783,534	4,055,712	4,382,067
Manure usedfarms	827	1,022	383	556	534	626
.....acres treated	75,088	90,197	31,318	42,744	39,753	45,271
Organic fertilizer usedfarms	47	57	31	28	51	47
.....acres treated	14,836	6,507	11,825	15,932	30,071	19,478
Acres treated to control - Insectsfarms	1,343	2,594	755	1,107	1,891	2,749
.....acres	883,456	2,041,879	762,903	1,315,539	1,698,867	2,891,743
Weeds, grass, or brushfarms	4,077	4,323	2,495	2,604	4,124	3,663
.....acres	4,164,247	4,740,634	3,759,234	4,551,373	4,638,762	5,100,164
Nematodesfarms	310	296	133	116	319	230
.....acres	187,600	168,668	77,514	158,502	187,867	146,123
Diseases in crops and orchardsfarms	699	921	608	756	1,430	1,772
.....acres	431,800	689,064	616,387	897,929	1,471,978	2,118,756
Chemicals used to control growth, thin fruit, ripen, or defoliatefarms	229	136	227	219	518	441
.....acres on which used	76,470	69,060	165,787	194,873	313,993	319,036
SELECTED CROPS						
Corn, allfarms	2,762	3,083	1,071	1,437	897	1,122
.....acres	1,445,306	1,657,507	553,090	897,995	346,592	460,126
Soybeans, for beansfarms	3,167	3,677	1,834	2,171	2,843	3,096
.....acres	1,919,251	2,314,407	1,559,069	2,117,735	1,545,298	1,981,207
Small grains (wheat, oats, barley, rye)farms	1,592	1,955	1,672	1,688	3,040	2,784
.....acres	571,333	585,506	1,192,690	1,074,087	1,843,333	1,661,703
Cotton, allfarms	-	-	-	-	-	-
.....acres	-	-	-	-	-	-
Ricefarms	-	-	-	-	-	-
.....acres	-	-	-	-	-	-
Land in vegetablesfarms	107	119	31	28	196	187
.....acres	12,325	9,680	3,954	3,044	66,653	65,750
Land in orchardsfarms	58	74	7	14	35	38
.....acres	141	163	21	(D)	105	95
Nursery, greenhouse, floriculture, and sodfarms	39	56	20	14	29	31
.....acres	103	534	183	(D)	110	161
All other crops (other than those listed above)farms	2,646	2,891	1,825	2,062	3,549	3,385
.....acres	536,360	516,046	681,661	717,909	1,412,795	1,261,972
LIVESTOCK AND POULTRY						
Cattle and calves inventoryfarms	1,314	1,646	833	1,171	1,182	1,437
.....number	178,027	225,207	161,136	212,467	112,949	139,597
Hogs and pigs inventoryfarms	81	123	32	31	82	65
.....number	85,543	118,041	68,015	82,462	46,284	(D)
Sheep and lambs inventoryfarms	121	138	52	83	149	120
.....number	16,072	18,847	3,558	6,403	6,263	6,263
Total horses and ponies inventoryfarms	610	687	382	530	516	624
.....number	3,329	3,933	2,150	3,064	3,133	3,504
Goats, all inventoryfarms	105	138	50	48	178	102
.....number	3,275	1,902	603	675	2,973	1,621
Chickens, all inventoryfarms	360	306	124	118	301	254
.....number	1,225,306	987,189	4,521	4,948	101,191	163,366

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Table 1. Summary by Hydrologic Unit Code: 2022 and 2017 (continued)

[For meaning of abbreviations and symbols, see introductory text.]

Item	H090300		H090400	
	2022	2017	2022	2017
FARMS AND LAND IN FARMS				
Farms number	646	729	15	111
Land in farms acres	264,250	254,711	21,178	124,930
LAND USE AND PRACTICES				
Total cropland farms	565	641	6	65
Harvested cropland acres	164,528	160,586	1,600	40,009
Other pasture and grazing land that could have been used for crops without additional improvement acres	480	565	4	46
Cropland idle or used for cover crops or soil-improvement but not harvested and not pastured or grazed farms	134,845	133,032	1,330	25,606
Cropland on which all crops failed or were abandoned acres	56	60	-	11
Cropland in summer fallow farms	7,168	3,682	-	1,032
Total woodland farms	153	162	2	13
Woodland pastured acres	(D)	18,618	(D)	3,588
Woodland not pastured farms	56	49	1	9
Permanent pasture and rangeland, other than cropland and woodland pastured acres	(D)	1,360	(D)	540
Land in farmsteads, homes, buildings, livestock facilities, ponds, roads, wasteland, etc. farms	107	89	-	14
Irrigated land acres	2,407	3,894	-	9,243
Harvested cropland farms	465	547	2	10
Pastureland and other land acres	(D)	56,543	(D)	12,512
Cropland on which no-till practices were used farms	159	216	2	8
Cropland on which conservation or reduced tillage, excluding no till, practices were used (see text) acres	(D)	11,612	(D)	(D)
Fertilizers and chemicals used farms	393	438	-	2
Commercial fertilizer, lime, and soil conditioners used acres	48,780	44,931	-	(D)
Manure used farms	285	295	14	72
Organic fertilizer used acres	24,303	23,115	19,223	71,515
Acres treated to control - Insects farms	482	517	4	41
Weeds, grass, or brush acres	(D)	14,467	(D)	894
Nematodes farms	19	34	1	12
Diseases in crops and orchards acres	(D)	8,622	(D)	1,667
Chemicals used to control growth, thin fruit, ripen, or defoliate farms	19	32	1	12
Selected crops acres	(D)	(D)	(D)	(D)
Livestock and poultry farms	-	2	-	1
Cattle and calves inventory number	-	(D)	-	(D)
Hogs and pigs inventory number	-	(D)	-	(D)
Sheep and lambs inventory number	-	(D)	-	(D)
Total horses and ponies inventory number	42	42	-	14
Goats, all inventory farms	5,750	5,255	-	29,240
Chickens, all inventory number	62	58	-	1
	37,907	(D)	-	(D)
FERTILIZERS AND CHEMICALS				
Commercial fertilizer, lime, and soil conditioners used farms	161	204	1	22
Manure used acres treated	(D)	66,895	(D)	23,336
Organic fertilizer used farms	69	108	1	9
Acres treated to control - Insects acres	(D)	5,697	(D)	602
Weeds, grass, or brush farms	10	21	-	-
Nematodes acres	484	2,404	-	-
Diseases in crops and orchards farms	64	81	1	1
Chemicals used to control growth, thin fruit, ripen, or defoliate acres	(D)	(D)	(D)	(D)
Selected crops farms	151	138	1	20
Livestock and poultry acres	(D)	85,238	(D)	21,495
Cattle and calves inventory farms	7	2	-	-
Hogs and pigs inventory acres	158	(D)	-	-
Sheep and lambs inventory farms	27	34	-	4
Total horses and ponies inventory acres	22,158	30,850	-	2,715
Goats, all inventory farms	26	9	-	1
Chickens, all inventory acres	6,651	(D)	-	(D)
SELECTED CROPS				
Corn, all farms	14	18	-	-
Soybeans, for beans acres	(D)	3,964	-	-
Small grains (wheat, oats, barley, rye) farms	90	92	-	-
Cotton, all acres	35,974	48,671	-	-
Rice farms	96	97	1	16
Land in vegetables acres	(D)	(D)	(D)	(D)
Land in orchards farms	7	14	-	-
Nursery, greenhouse, floriculture, and sod acres	13	(D)	-	-
All other crops (other than those listed above) farms	9	12	-	1
	(D)	29	-	(D)
	423	506	4	40
	(D)	63,411	(D)	8,376
LIVESTOCK AND POULTRY				
Cattle and calves inventory farms	188	242	9	48
Hogs and pigs inventory number	9,492	11,235	628	4,287
Sheep and lambs inventory farms	19	27	-	-
Total horses and ponies inventory number	117	261	-	-
Goats, all inventory farms	25	23	-	2
Chickens, all inventory number	432	(D)	-	(D)
	108	124	13	69
	506	779	79	1,092
	35	35	1	1
	(D)	(D)	(D)	(D)
	135	132	1	6
	5,172	5,088	(D)	94