

Final Report

**Revised Agricultural Emission Estimates
for the Houston-Galveston Nonattainment Area**

Prepared for

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INTRODUCTION

The purpose of this project was to prepare emission estimates from agricultural equipment usage using available survey information from the US Department of Agriculture's Census of Agriculture (USDA, 2002a). This survey provides estimates of the in-use equipment populations used for agriculture in each county of the US. This data provides an alternative source of information to compare with US EPA (1998 with recent updates in 2003) estimates.

Agricultural equipment emissions were a significant source of nonroad NO_x emissions, accounting for 10% of nonroad NO_x emissions, in the Houston-Galveston nonattainment area (HGA) State Implementation Plan (SIP) submitted to EPA in 2000. Accurately estimating the emissions from this source is important to determining if this source is important for air quality.

The agricultural category consists of the equipment types listed and described in Table 1. By far the most important equipment type is "agricultural tractors", primarily powered by diesel engines and accounting for over 80 percent of the THC, NO_x, and PM emissions from agricultural equipment. These agricultural equipment types are used primarily in agricultural production, yet the usefulness of agricultural tractors also extends to construction, landscaping (e.g. large scale mowing), and general-purpose grounds keeping.

Table 1. Equipment types and descriptions for agricultural equipment.
(xx refers to '60' for 2-stroke gasoline, '65' for 4-stroke gasoline, '70' for diesel, '67' for LPG, 68 for CNG).

SCC	Equipment Type	Definition
22xx005010	2-Wheel Tractors	Walk-behind 2-wheeled tractors for use in edible produce or other intensive farming
22xx005015	Agricultural Tractors	Large and small agricultural tractors, most prevalent farm equipment type
22xx005020	Combines	Self-propelled combined harvesting and cleaning equipment
22xx005025	Balers	Equipment that bales from loose or windrowed hay or other forage mowed crop
22xx005030	Agricultural Mowers	Equipment for mowing not intended for later baling or harvesting
22xx005035	Sprayers	Small (backpack) and large (self-propelled) powered equipment designed specifically for spraying
22xx005040	Tillers > 6 HP	Primarily small tillers similar to those used in lawn and garden applications intended to be used in edible produce or other intensive farming
22xx005045	Swathers	Equipment designed to cut crops for later baling or harvesting including windrowers
22xx005050	Hydro Power Units	Power engines designed to specifically supply hydraulic power; might be misapplied as agricultural equipment
22xx005055	Other Agricultural Equipment	Other various cultivation equipment types and include harvesters or other special cultivating equipment
22xx005060	Irrigation Sets	Agricultural pumps and pivot wheel irrigation equipment to distribute water to fields or livestock.

The Census of Agriculture and other information from the US Department of Agriculture (USDA, 2002) can be used to compare with the NONROAD default estimates of in-use equipment population. The population of equipment used on farms is regularly surveyed in the Census of Agriculture and the data include estimates of various types of farming equipment

by county and for agricultural tractors, delineated by three power level groupings. The US Department of Agriculture (USDA) conducts these periodic in-depth surveys of agriculture operations, which was last completed for the 1997 in-use equipment ownership. (Results of the 2002 survey are not expected to be available until 2004.)

The objective of this work was to compare the agricultural emission inventory for the Houston-Galveston nonattainment area (HGA consisting of the 8 counties surrounding Houston and Galveston) using the USDA data on agricultural equipment ownership with that of the just released version of the NONROAD model, NONROAD2002. (EPA, 2003) The latest version of NONROAD, available for use by state and local air quality planning agencies includes revised national equipment population estimates allocated to counties through the use of harvested acreage available from USDA estimates.

SUMMARY OF ALTERNATIVE INFORMATION

The estimates provided by the National Agricultural Statistical Service (USDA, 2002a) are compared with the default estimates in NONROAD2002 in Tables 2 and 3. Based on the Farm and Ranch Irrigation Survey (USDA, 2002c), 71,826 irrigation pumps were used in Texas in 1998 (1998 Farm & Ranch Irrigation Survey Census of Agriculture, Table 14, <http://www.nass.usda.gov/census/census97/fris/tbl14.txt>) and allocated to the 8-county HGA using irrigated acreage (USDA, 2002c). In general, the Census of Agriculture estimates are higher than those in EPA's NONROAD2002 model as shown in Tables 2 and 3 below.

Table 2. NONROAD 2002 HGA equipment population estimates for 1998.

Equipment	Brazoria	Chambers	Fort Bend	Galveston	Harris	Liberty	Montgomery	Waller	8-County Total
Tractors <40 hp	72	35	106	7	49	68	9	45	390
Tractors 40-100	145	69	212	14	98	135	18	90	782
Tractors >100	191	91	278	19	129	178	23	118	1027
Combines	56	27	82	6	38	53	7	35	304
Balers	6	3	9	1	4	6	1	4	35
Mowers	2	1	3	0	2	2	0	1	12
Sprayers	63	30	92	6	43	59	8	39	340
Tillers >6	197	94	287	19	133	184	24	121	1060
Swathers	16	8	24	2	11	15	2	10	88
Hydro Power Units	7	3	11	1	5	7	1	4	39
Other Ag Equipment	14	6	20	1	9	13	2	8	73
Irrigation Sets	9	4	12	1	6	8	1	5	46
Totals	768	367	1121	76	521	716	93	474	4136

Table 3. Equipment populations from the 1997 Census of Agriculture and 1998 Farm and Irrigation Study.

Equipment	Brazoria	Chambers	Fort Bend	Galveston	Harris	Liberty	Montgomery	Waller	8-County Total
Tractors <40 hp	1127	270	790	418	1381	655	690	649	5980
Tractors 40-100	1128	289	995	356	1054	850	713	762	6147
Tractors >100	350	139	485	112	244	185	105	176	1796
Combines	102	76	122	0*	67	61	12	43	483
Balers	232	73	288	114	196	168	150	171	1392
Mowers	593	182	337	152	482	254	330	342	2672
Other Ag Equipment**	44	0	293	0	0	0	0	0	337
Irrigation Sets	73	44	34	3	19	27	1	16	218

* Withheld to avoid disclosing data for individual farms

** Cotton pickers

COMPARISONS BY EQUIPMENT TYPES

Balers and Mowers

The Census population estimates are all much higher than the default EPA method, but Census estimates for balers and mowers are unreasonably high based on the normal design of these equipment types. Balers and mowers are typically designed as attachments to tractors where the tractor supplies the power to these attachments. As such, including the Census estimates into the equipment population for these equipment types would overestimate the emissions for these equipment types. Therefore, the default EPA estimates in NONROAD should be used for these equipment types.

Irrigation Sets

Irrigation sets estimates are also higher than EPA default estimates. The irrigation set information was derived from the 1998 Farm and Irrigation Study (USDA, 2002c), which supplied information about the total number of irrigation sets for the State of Texas. USDA (2002c) also supplied irrigated acreage by power type (electricity, compressed natural gas (CNG), liquefied petroleum gas [LPG], and diesel) for irrigation pumps.

Irrigation sets include pivot wheeled irrigation systems, lift pumps, and other types of water pumps. USDA (2002c) provides estimates of in-use population and irrigated acreage allowing for revised in-use populations and/or geographic allocation. Irrigation pumps are a unique equipment type in that only a fraction of these are considered as mobile sources and included in the NONROAD model with the remainder assumed to be stationary or area sources. Engines that do not move within a 12-month period are considered to be stationary and not mobile equipment, and so would not be included in the NONROAD model. Table 4, taken from NONROAD documentation (EPA, 1998), indicates the fraction of irrigation sets considered mobile and stationary by power level; the higher power engines were considered to be progressively more likely to be stationary engines.

Table 4. Fraction of semi-stationary nonroad equipment types.

Power Range (Hp)	Percent Mobile Equipment
0 to 25	90
25 to 40	90
40 to 100	70
100 to 175	20
175 to 300	15
300 to 500	10
500+	0

To compare the alternative estimates of irrigation pumps, the State total number of irrigation pumps of 71,826 from Table 14 of the Farm and Irrigation Study was allocated to each of the fuel types using the irrigated acreage as demonstrated in Table 5. Energy cost, also shown in Table 5, could be used to distribute the activity but cost per unit of energy varies by fuel type. Because only a fraction of the pumps are considered mobile, defined as not moving within a 12-month period, an estimate of the mobile source pumps was difficult to predict because that fraction is unknown. Pumps powered by electricity are likely at a fixed location and do not themselves create any significant air pollutant emissions.

Table 5. State of Texas total irrigation pumps.

	Energy Cost	1998 Acres	All Ag. Pumps	Mobile Pumps
All Texas Total	\$218,540,000	4,886,378	71,826	10,424
Electricity	\$99,670,000	2,098,925	30,853	0
CNG	\$97,941,000	2,099,262	30,858	309*
LPG	\$2,549,000	95,285	1,401	1,401
Diesel	\$18,132,000	582,977	8,569	8,569
Gasoline	\$248,000	9,930	146	146

* 1 % estimated to be mobile

To illustrate how difficult it could be to determine the appropriate fraction of mobile source pumps, the default EPA estimates for Texas CNG pumps is 237 and for Texas diesel pumps is 1,491. If the difference in these two estimates is only related to the fraction that is stationary and mobile, then only 0.8 percent of CNG engines are used in mobile pumps and 17 percent of diesel engines are used in mobile pumps. While it is possible that these fractions are reasonable, there is no way to predict this accurately.

To distribute these estimates to the county level, the irrigated acreage for each county and the state total taken from Table 8 of USDA (2002a) was used to prorate the state equipment population with the results shown in Table 6. But because of the uncertainty over the correct fraction of mobile and stationary, ENVIRON recommends that the national default EPA estimates be used but to allocate the national estimates to the HGA using irrigated (instead of harvested) acreage as the means to distribute the national estimates to these counties. This results in a higher estimate but is more justified than merely using harvested acreage as the default estimates in NONROAD2002 does.

Table 6. Farm and Irrigation estimates and recommended estimates for irrigation sets.

Region	1997 Irrigated Acreage	Farm and Irrigation Study Estimates Distributed by Irrigated Acreage	Default NONROAD2002 Population Distributed by Irrigated Acreage		
			4-Stroke Gasoline Pumps	LPG/C NG	Diesel
National	50,028,439	451,392	3,136*	3,885*	24,308*
Texas	5,137,583	10,424 (from Table 5.)	NA	NA	NA
Brazoria	36,201	73	2	3	18
Chambers	21,657	44	1	2	11
Fort Bend	16,954	34	1	1	8
Galveston	1,420	3	0	0	1
Harris	9,466	19	1	1	5
Liberty	13,441	27	1	1	7
Montgomery	367	1	0	0	0
Waller	8,013	16	1	1	4
8-county total	107,519	218	7	8	52

* NONROAD2002 estimates

Sprayers, Tillers, Swathers, And Hydro Power Units

The Census of Agriculture does not provide estimates for these equipment categories, so EPA NONROAD2002 default estimates should be used for these equipment types.

Tractors, Combines, And Other Agricultural Equipment (Cotton Pickers)

The revised estimates use the Census of Agriculture estimates for these categories. Because it is not possible to confuse an agricultural tractors or combines with stationary equipment or as an attachment to other equipment, the Census estimates are likely reasonable. Likewise cotton pickers are self-propelled equipment types, so should be included in the revised estimates. Because cotton pickers are the only equipment type not explicitly estimated by other equipment types, these were considered to be representative of the "Other Agricultural Equipment" nonroad equipment type. While there could be other equipment types that fit this category, there were more cotton pickers listed in the Census than NONROAD2002 estimates for the "other agricultural equipment" type.

SEASONAL ALLOCATION

Based on conversations with agricultural extension agents for Brazoria, Fort Bend, and Liberty counties, agricultural equipment is operated consistently throughout the year except for two winter months, typically January and February. During these months the fields are generally too wet to prepare or plant in the field, so equipment activity was estimated to be only about 10 percent of other months to perform odd jobs and other maintenance activity. Therefore, the seasonal allocation can be revised by normalizing the relative monthly activity. This is shown in Table 7 and compared with the default estimates from NONROAD2002.

Table 7. Seasonal allocation of agricultural activity.

Month	Relative Activity	Revised Allocation (Normalized)	NONROAD2002 Seasonal Allocation
January	10	0.0098	0.02
February	10	0.0098	0.02
March	100	0.0980	0.1
April	100	0.0980	0.1
May	100	0.0980	0.1
June	100	0.0980	0.113
July	100	0.0980	0.113
August	100	0.0980	0.113
September	100	0.0980	0.1
October	100	0.0980	0.1
November	100	0.0980	0.1
December	100	0.0980	0.02

RESULTS

Adjustments were made to the NONROAD2002 estimates of equipment population for tractors, combines, other agricultural equipment, and irrigation sets. This was accomplished by modifying eight population input files to reflect each county's equipment population totals within the HGA. The population totals for each equipment type were distributed across the fuel type (4-stroke or diesel primarily) and power levels (as shown below using the default information from NONROAD2002 for Texas diesel combines) using the NONROAD 2002 default distributions.

FIPS	Year	SCC	Equipment Description	HPmn	HPmx	HPavg	Life	ScrapFlag	Population

/POPULATION/									
.....									
.....									
.....									
.....									
48000	1998	2270005020	Dsl - Combines	50	100	89.72	4667	DEFAULT	561
48000	1998	2270005020	Dsl - Combines	100	175	148.3	4667	DEFAULT	5179
48000	1998	2270005020	Dsl - Combines	175	300	213.0	4667	DEFAULT	6710
48000	1998	2270005020	Dsl - Combines	300	600	325.4	7000	DEFAULT	206
.....									
.....									

The information for agricultural tractors provided more delineation of power level where separate estimates were provided above 100 hp, below 40 hp, and between 40 and 100 hp. The equipment population was then distributed within the power-level groupings available to more accurately reflect the Census information.

The seasonal allocation was also modified to reflect the information collected in this study and described in Table 7.

The NONROAD2002 model was run for each of the eight HGA counties individually to compare the default estimates and those produced in this work. Annual and summer weekday and weekend day emission totals for 2000 and 2007 are shown in Tables 8 – 13. In general, much higher emissions are estimated using the Census of Agricultural figures because the equipment population estimates for agricultural tractors are much higher than the EPA default information.

Table 8. Year 2000 annual agricultural equipment emission totals (tpy).

County	Revised Emissions			NONROAD 2002 Default Emissions		
	Total NOx	Total VOC	Total CO	Total NOx	Total VOC	Total CO
Brazoria	470	82	562	146	23	193
Chambers	154	25	178	70	11	92
Fort Bend	548	94	769	213	33	281
Galveston	141	25	181	14	2	19
Harris	392	72	452	99	15	131
Liberty	285	51	341	136	21	180
Montgomery	210	39	221	18	3	23
Waller	261	47	304	90	14	119
TOTAL	2461	436	3007	787	123	1038

Table 9. Year 2000 summer weekday agricultural equipment emission totals (tpd).

County	Revised emissions			NONROAD 2002 Default emissions		
	Total NOx	Total VOC	Total CO	Total NOx	Total VOC	Total CO
Brazoria	1.8	0.3	2.1	0.6	0.1	0.8
Chambers	0.6	0.1	0.7	0.3	0.0	0.4
Fort Bend	2.0	0.4	2.9	0.9	0.1	1.2
Galveston	0.5	0.1	0.7	0.1	0.0	0.1
Harris	1.5	0.3	1.7	0.4	0.1	0.6
Liberty	1.1	0.2	1.3	0.6	0.1	0.8
Montgomery	0.8	0.1	0.8	0.1	0.0	0.1
Waller	1.0	0.2	1.1	0.4	0.1	0.5
TOTAL	9.2	1.6	11.2	3.4	0.5	4.5

Table 10. Year 2000 summer weekend day agricultural equipment emission totals (tpd).

County	Revised emissions			NONROAD 2002 Default emissions		
	Total NOx	Total VOC	Total CO	Total NOx	Total VOC	Total CO
Brazoria	0.9	0.2	1.0	0.3	0.0	0.4
Chambers	0.3	0.0	0.3	0.2	0.0	0.2
Fort Bend	1.0	0.2	1.4	0.5	0.1	0.6
Galveston	0.3	0.0	0.3	0.0	0.0	0.0
Harris	0.7	0.1	0.8	0.2	0.0	0.3
Liberty	0.5	0.1	0.6	0.3	0.0	0.4
Montgomery	0.4	0.1	0.4	0.0	0.0	0.1
Waller	0.5	0.1	0.6	0.2	0.0	0.3
TOTAL	4.6	0.8	5.6	1.7	0.3	2.2

Table 11. Year 2007 annual agricultural equipment emission totals (tpy).

County	Revised emissions			NONROAD 2002 Default emissions		
	Total NOx	Total VOC	Total CO	Total NOx	Total VOC	Total CO
Brazoria	428	54	504	132	17	182
Chambers	140	17	160	63	8	87
Fort Bend	498	67	730	193	25	266
Galveston	127	16	164	13	2	18
Harris	357	46	391	90	11	123
Liberty	261	34	305	123	16	170
Montgomery	191	24	187	16	2	22
Waller	239	31	269	82	10	112
TOTAL	2242	289	2710	712	90	981

Table 12. Year 2007 summer weekday agricultural equipment emission totals (tpd).

County	Revised emissions			NONROAD 2002 Default emissions		
	Total NOx	Total VOC	Total CO	Total NOx	Total VOC	Total CO
Brazoria	1.6	0.2	1.9	0.6	0.1	0.8
Chambers	0.5	0.1	0.6	0.3	0.0	0.4
Fort Bend	1.9	0.2	2.7	0.8	0.1	1.1
Galveston	0.5	0.1	0.6	0.1	0.0	0.1
Harris	1.3	0.2	1.5	0.4	0.0	0.5
Liberty	1.0	0.1	1.1	0.5	0.1	0.7
Montgomery	0.7	0.1	0.7	0.1	0.0	0.1
Waller	0.9	0.1	1.0	0.4	0.0	0.5
TOTAL	8.4	1.1	10.1	3.1	0.4	4.2

Table 13. Year 2007 summer weekend day agricultural equipment emission totals (tpd).

County	Revised emissions			NONROAD 2002 Default emissions		
	Total NOx	Total VOC	Total CO	Total NOx	Total VOC	Total CO
Brazoria	0.9	0.1	1.4	0.3	0.0	0.4
Chambers	0.3	0.0	0.3	0.1	0.0	0.2
Fort Bend	0.9	0.1	1.4	0.4	0.1	0.6
Galveston	0.2	0.0	0.3	0.0	0.0	0.0
Harris	0.7	0.1	0.7	0.2	0.0	0.3
Liberty	0.5	0.1	0.6	0.3	0.0	0.4
Montgomery	0.4	0.0	0.3	0.0	0.0	0.0
Waller	0.4	0.1	0.5	0.2	0.0	0.2
TOTAL	4.3	0.6	5.5	1.5	0.2	2.1

Although the emission estimates of this work are higher than the NONROAD2002 defaults, they are lower than those used in the current SIP work for 2007 summer weekday: NOx emissions were estimated to be 12.9 tpd from MacKay (2000) vs. 8.4 tpd in this work. The current SIP estimates were derived from estimates prepared by EPA (1991); these were considered the official EPA estimate at the time of their use by TNRCC (2000). The older equipment population estimates were unadjusted estimates provided by Power Systems Research, a proprietary market research firm, which EPA has subsequently adjusted downward in their most recent release of the NONROAD model.

The equipment population estimates from the Census of Agriculture, however, may be incompatible with the activity estimates (hours per year) averages used in NONROAD2002. NONROAD2002 equipment population estimates may considered only those pieces of equipment that are active where the Census figures count all equipment types including those pieces of equipment that are rarely used. Further work should include a survey of the activity level, perhaps as part of the census, to adjust the NONROAD2002 activity estimates as well as the equipment population.

REFERENCES

- EPA (2003), NONROAD2002 Model Release for State and Local Agencies, 2003.
- EPA (1998), "Nonroad Engine Population Estimates," Report No. NR-006A June 15, 1998.
- EPA (1991), "Nonroad Engine and Vehicle Emission Study," EPA 21A-2001, November, 1991.
- Jim MacKay, personal communication, July 17, 2000.
- USDA (2002a), "Census of Agriculture," National Agricultural Statistical Service (NASS) and "New Equipment Put in Place."
- USDA (2002b), "Farm Machinery Statistics (86016)"
- USDA (2002c), "1998 Farm & Ranch Irrigation Survey."
- TNRCC (2000), "Revisions To The State Implementation Plan (SIP), For The Control Of Ozone Air Pollution Post-1999 Rate-Of-Progress And Attainment Demonstration SIP for the Houston/Galveston Ozone Nonattainment Area Inspection/Maintenance SIP, For The Houston/Galveston Ozone Nonattainment Area," RULE LOG NO. 2000-011-SIP-AI, August 9, 2000.

Appendix Alternative NONROAD Input Files

Modification to the Seasonal Allocation Files (Season.dat)

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/REGIONS/
...
SW          Southwest          48000 Texas
...
/END/

/MONTHLY/
.....
SW  2265005000 Agricultural      0.0098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.0098
SW  2267005000 Agricultural      0.0098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.0098
SW  2268005000 Agricultural      0.0098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.0098
SW  2270005000 Agricultural      0.0098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.098  0.0098
/END/
    
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Modification of Brazoria County Agricultural Equipment Population File

(Texas FIP code is used for the county only population, so the model is run as a state total even though it only represents one county)

FIPS /POPULATION/	Year	SCC	Equipment Description	HPmn	HPmx	HPavg	Life	ScrapFlag	Population
....									
48000	1998	2265005010	4-Str 2-Wheel Tractors	6	11	8.197	400	DEFAULT	11
48000	1998	2265005010	4-Str 2-Wheel Tractors	11	16	14.19	400	DEFAULT	10
48000	1998	2265005015	4-Str Agricultural Tractors	16	25	20.4	750	DEFAULT	5
48000	1998	2265005015	4-Str Agricultural Tractors	25	40	30.5	1500	DEFAULT	0
48000	1998	2265005015	4-Str Agricultural Tractors	50	100	82.13	3000	DEFAULT	3
48000	1998	2265005015	4-Str Agricultural Tractors	100	175	125	3000	DEFAULT	0
48000	1998	2265005020	4-Str Combines	50	100	87	2312	DEFAULT	0
48000	1998	2265005020	4-Str Combines	100	175	141.2	2312	DEFAULT	0
48000	1998	2265005025	4-Str Balers	25	40	34.57	1054	DEFAULT	4
48000	1998	2265005025	4-Str Balers	50	100	65.28	1054	DEFAULT	1
48000	1998	2265005025	4-Str Balers	100	175	113	1054	DEFAULT	0
48000	1998	2265005030	4-Str Agricultural Mowers	3	6	6	200	DEFAULT	0
48000	1998	2265005030	4-Str Agricultural Mowers	6	11	9.206	400	DEFAULT	2
48000	1998	2265005030	4-Str Agricultural Mowers	11	16	16	400	DEFAULT	0
48000	1998	2265005030	4-Str Agricultural Mowers	16	25	18	750	DEFAULT	1
48000	1998	2260005035	2-Str Sprayers	0	1	0.88	150	DEFAULT	0
48000	1998	2260005035	2-Str Sprayers	1	3	2.567	150	DEFAULT	6
48000	1998	2265005035	4-Str Sprayers	3	6	4.37	200	DEFAULT	22
48000	1998	2265005035	4-Str Sprayers	6	11	8.204	400	DEFAULT	8
48000	1998	2265005035	4-Str Sprayers	11	16	14.85	400	DEFAULT	3
48000	1998	2265005035	4-Str Sprayers	16	25	20.51	750	DEFAULT	5
48000	1998	2265005035	4-Str Sprayers	25	40	33.28	1300	DEFAULT	1
48000	1998	2265005035	4-Str Sprayers	50	100	76.25	1300	DEFAULT	1
48000	1998	2265005035	4-Str Sprayers	100	175	130.3	1300	DEFAULT	0
48000	1998	2265005040	4-Str Tillers > 6 HP	6	11	7.501	830.7	DEFAULT	196
48000	1998	2265005040	4-Str Tillers > 6 HP	11	16	14.76	830.7	DEFAULT	0
48000	1996	2265005045	4-Str Swathers	50	100	80	1235	DEFAULT	2
48000	1996	2265005045	4-Str Swathers	100	175	121.9	1235	DEFAULT	1
48000	1998	2260005050	2-Str Hydro Power Units	1	3	1.709	150	DEFAULT	0
48000	1998	2265005050	4-Str Hydro Power Units	3	6	4.834	200	DEFAULT	2
48000	1998	2265005050	4-Str Hydro Power Units	6	11	9.855	400	DEFAULT	1
48000	1998	2265005050	4-Str Hydro Power Units	11	16	13.1	400	DEFAULT	1
48000	1998	2265005050	4-Str Hydro Power Units	16	25	18.35	750	DEFAULT	1
48000	1998	2265005050	4-Str Hydro Power Units	25	40	33.91	1500	DEFAULT	0
48000	1998	2265005050	4-Str Hydro Power Units	40	50	46	1500	DEFAULT	0
48000	1998	2265005050	4-Str Hydro Power Units	50	100	66.79	3000	DEFAULT	0
48000	1998	2265005050	4-Str Hydro Power Units	100	175	113	3000	DEFAULT	0
48000	1998	2267005050	LPG - Hydro Power Units	25	40	33.91	1500	DEFAULT	0
48000	1998	2267005050	LPG - Hydro Power Units	40	50	46	1500	DEFAULT	0

48000	1998	2267005050	LPG - Hydro Power Units	50	100	66.79	3000	DEFAULT	0
48000	1998	2267005050	LPG - Hydro Power Units	100	175	154	3000	DEFAULT	0
48000	1998	2268005050	CNG - Hydro Power Units	100	175	148	3000	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	3	6	4.84	200	DEFAULT	1
48000	1998	2265005055	4-Str Other Agricultural Equipment	6	11	9.14	400	DEFAULT	7
48000	1998	2265005055	4-Str Other Agricultural Equipment	11	16	14.11	400	DEFAULT	4
48000	1998	2265005055	4-Str Other Agricultural Equipment	16	25	18.64	750	DEFAULT	4
48000	1998	2265005055	4-Str Other Agricultural Equipment	25	40	32.23	1500	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	50	100	65.9	1705	DEFAULT	1
48000	1998	2265005055	4-Str Other Agricultural Equipment	100	175	167.4	1705	DEFAULT	3
48000	1998	2265005055	4-Str Other Agricultural Equipment	175	300	230.1	1705	DEFAULT	1
48000	1998	2267005055	LPG - Other Agricultural Equipment	100	175	154	1705	DEFAULT	0
48000	1998	2268005055	CNG - Other Agricultural Equipment	100	175	148	1705	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	3	6	4.692	200	DEFAULT	1
48000	1998	2265005060	4-Str Irrigation Sets	6	11	8.918	400	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	16	25	18	750	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	50	100	73.64	3000	DEFAULT	1
48000	1998	2265005060	4-Str Irrigation Sets	100	175	120.5	3000	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	175	300	210.2	3000	DEFAULT	0
48000	1998	2267005060	LPG - Irrigation Sets	100	175	113	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	25	40	32	1500	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	50	100	86.52	3000	DEFAULT	3
48000	1998	2268005060	CNG - Irrigation Sets	100	175	138.9	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	175	300	233.3	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	300	600	384.4	3000	DEFAULT	0
....									
48000	1998	2270005010	Dsl - 2-Wheel Tractors	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005010	Dsl - 2-Wheel Tractors	6	11	8.58	2500	DEFAULT	2
48000	1998	2270005015	Dsl - Agricultural Tractors	11	16	16.00	2500	DEFAULT	0
48000	1998	2270005015	Dsl - Agricultural Tractors	16	25	22.19	2500	DEFAULT	276
48000	1998	2270005015	Dsl - Agricultural Tractors	25	40	31.85	2500	DEFAULT	821
48000	1998	2270005015	Dsl - Agricultural Tractors	40	50	46.83	2500	DEFAULT	250
48000	1998	2270005015	Dsl - Agricultural Tractors	50	100	71.51	4667	DEFAULT	875
48000	1998	2270005015	Dsl - Agricultural Tractors	100	175	130.6	4667	DEFAULT	153
48000	1998	2270005015	Dsl - Agricultural Tractors	175	300	220.0	4667	DEFAULT	139
48000	1998	2270005015	Dsl - Agricultural Tractors	300	600	343.6	7000	DEFAULT	58
48000	1998	2270005015	Dsl - Agricultural Tractors	600	750	615.0	7000	DEFAULT	0
48000	1998	2270005020	Dsl - Combines	50	100	89.72	4667	DEFAULT	5
48000	1998	2270005020	Dsl - Combines	100	175	148.3	4667	DEFAULT	42
48000	1998	2270005020	Dsl - Combines	175	300	213.0	4667	DEFAULT	54
48000	1998	2270005020	Dsl - Combines	300	600	325.4	7000	DEFAULT	2
48000	1998	2270005025	Dsl - Balers	40	50	50.00	2500	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	50	100	67.39	4667	DEFAULT	1
48000	1998	2270005025	Dsl - Balers	100	175	142.4	4667	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	175	300	177.0	4667	DEFAULT	0

48000	1998	2270005030	Dsl - Agricultural Mowers	50	100	76.00	4667	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	16	25	23.64	2500	DEFAULT	1
48000	1998	2270005035	Dsl - Sprayers	25	40	36.43	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	40	50	48.75	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	50	100	84.88	4667	DEFAULT	2
48000	1998	2270005035	Dsl - Sprayers	100	175	121.8	4667	DEFAULT	3
48000	1998	2270005035	Dsl - Sprayers	175	300	241.8	4667	DEFAULT	3
48000	1998	2270005035	Dsl - Sprayers	300	600	348.8	7000	DEFAULT	1
48000	1998	2270005040	Dsl - Tillers > 6 HP	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	175	300	245.0	4667	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	300	600	424.5	7000	DEFAULT	0
48000	1998	2270005045	Dsl - Swathers	50	100	85.22	4667	DEFAULT	11
48000	1998	2270005045	Dsl - Swathers	100	175	114.4	4667	DEFAULT	2
48000	1998	2270005050	Dsl - Hydro Power Units	3	6	4.47	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	6	11	9.21	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	11	16	15.37	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	16	25	20.05	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	25	40	33.90	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	40	50	42.57	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	50	100	71.80	4667	DEFAULT	1
48000	1998	2270005050	Dsl - Hydro Power Units	100	175	131.4	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	175	300	208.3	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	300	600	434.7	7000	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	600	750	743.3	7000	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	11	16	14.46	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	16	25	22.32	2500	DEFAULT	1
48000	1998	2270005055	Dsl - Other Agricultural Equipment	25	40	27.28	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	40	50	46.56	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	50	100	78.50	4667	DEFAULT	6
48000	1998	2270005055	Dsl - Other Agricultural Equipment	100	175	146.4	4667	DEFAULT	7
48000	1998	2270005055	Dsl - Other Agricultural Equipment	175	300	235.2	4667	DEFAULT	6
48000	1998	2270005055	Dsl - Other Agricultural Equipment	300	600	366.5	7000	DEFAULT	2
48000	1998	2270005055	Dsl - Other Agricultural Equipment	750	1000	965.0	7000	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	6	11	9.50	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	11	16	14.75	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	16	25	22.40	2500	DEFAULT	1
48000	1998	2270005060	Dsl - Irrigation Sets	25	40	33.90	2500	DEFAULT	1
48000	1998	2270005060	Dsl - Irrigation Sets	40	50	46.55	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	50	100	82.34	4667	DEFAULT	11
48000	1998	2270005060	Dsl - Irrigation Sets	100	175	126.4	4667	DEFAULT	5
48000	1998	2270005060	Dsl - Irrigation Sets	175	300	208.4	4667	DEFAULT	1
48000	1998	2270005060	Dsl - Irrigation Sets	300	600	362.4	7000	DEFAULT	5
48000	1998	2270005060	Dsl - Irrigation Sets	600	750	714.0	7000	DEFAULT	0

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Modification of the Chamber County Agricultural Equipment Population

/POPULATION/

48000	1998	2265005010	4-Str 2-Wheel Tractors	6	11	8.197	400	DEFAULT	3
48000	1998	2265005010	4-Str 2-Wheel Tractors	11	16	14.19	400	DEFAULT	2
48000	1998	2265005015	4-Str Agricultural Tractors	16	25	20.4	750	DEFAULT	0
48000	1998	2265005015	4-Str Agricultural Tractors	25	40	30.5	1500	DEFAULT	0
48000	1998	2265005015	4-Str Agricultural Tractors	50	100	82.13	3000	DEFAULT	1
48000	1998	2265005015	4-Str Agricultural Tractors	100	175	125	3000	DEFAULT	0
48000	1998	2265005020	4-Str Combines	50	100	87	2312	DEFAULT	0
48000	1998	2265005020	4-Str Combines	100	175	141.2	2312	DEFAULT	0
48000	1998	2265005025	4-Str Balers	25	40	34.57	1054	DEFAULT	2
48000	1998	2265005025	4-Str Balers	50	100	65.28	1054	DEFAULT	1
48000	1998	2265005025	4-Str Balers	100	175	113	1054	DEFAULT	0
48000	1998	2265005030	4-Str Agricultural Mowers	3	6	6	200	DEFAULT	0
48000	1998	2265005030	4-Str Agricultural Mowers	6	11	9.206	400	DEFAULT	1
48000	1998	2265005030	4-Str Agricultural Mowers	11	16	16	400	DEFAULT	0
48000	1998	2265005030	4-Str Agricultural Mowers	16	25	18	750	DEFAULT	0
48000	1998	2260005035	2-Str Sprayers	0	1	0.88	150	DEFAULT	0
48000	1998	2260005035	2-Str Sprayers	1	3	2.567	150	DEFAULT	3
48000	1998	2265005035	4-Str Sprayers	3	6	4.37	200	DEFAULT	11
48000	1998	2265005035	4-Str Sprayers	6	11	8.204	400	DEFAULT	4
48000	1998	2265005035	4-Str Sprayers	11	16	14.85	400	DEFAULT	1
48000	1998	2265005035	4-Str Sprayers	16	25	20.51	750	DEFAULT	2
48000	1998	2265005035	4-Str Sprayers	25	40	33.28	1300	DEFAULT	1
48000	1998	2265005035	4-Str Sprayers	50	100	76.25	1300	DEFAULT	0
48000	1998	2265005035	4-Str Sprayers	100	175	130.3	1300	DEFAULT	0
48000	1998	2265005040	4-Str Tillers > 6 HP	6	11	7.501	830.7	DEFAULT	94
48000	1998	2265005040	4-Str Tillers > 6 HP	11	16	14.76	830.7	DEFAULT	0
48000	1996	2265005045	4-Str Swathers	50	100	80	1235	DEFAULT	1
48000	1996	2265005045	4-Str Swathers	100	175	121.9	1235	DEFAULT	1
48000	1998	2260005050	2-Str Hydro Power Units	1	3	1.709	150	DEFAULT	0
48000	1998	2265005050	4-Str Hydro Power Units	3	6	4.834	200	DEFAULT	1
48000	1998	2265005050	4-Str Hydro Power Units	6	11	9.855	400	DEFAULT	1
48000	1998	2265005050	4-Str Hydro Power Units	11	16	13.1	400	DEFAULT	1
48000	1998	2265005050	4-Str Hydro Power Units	16	25	18.35	750	DEFAULT	1
48000	1998	2265005050	4-Str Hydro Power Units	25	40	33.91	1500	DEFAULT	0
48000	1998	2265005050	4-Str Hydro Power Units	40	50	46	1500	DEFAULT	0
48000	1998	2265005050	4-Str Hydro Power Units	50	100	66.79	3000	DEFAULT	0
48000	1998	2265005050	4-Str Hydro Power Units	100	175	113	3000	DEFAULT	0
48000	1998	2267005050	LPG - Hydro Power Units	25	40	33.91	1500	DEFAULT	0
48000	1998	2267005050	LPG - Hydro Power Units	40	50	46	1500	DEFAULT	0
48000	1998	2267005050	LPG - Hydro Power Units	50	100	66.79	3000	DEFAULT	0

48000	1998	2267005050	LPG - Hydro Power Units	100	175	154	3000	DEFAULT	0
48000	1998	2268005050	CNG - Hydro Power Units	100	175	148	3000	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	3	6	4.84	200	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	6	11	9.14	400	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	11	16	14.11	400	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	16	25	18.64	750	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	25	40	32.23	1500	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	50	100	65.9	1705	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	100	175	167.4	1705	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	175	300	230.1	1705	DEFAULT	0
48000	1998	2267005055	LPG - Other Agricultural Equipment	100	175	154	1705	DEFAULT	0
48000	1998	2268005055	CNG - Other Agricultural Equipment	100	175	148	1705	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	3	6	4.692	200	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	6	11	8.918	400	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	16	25	18	750	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	50	100	73.64	3000	DEFAULT	1
48000	1998	2265005060	4-Str Irrigation Sets	100	175	120.5	3000	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	175	300	210.2	3000	DEFAULT	0
48000	1998	2267005060	LPG - Irrigation Sets	100	175	113	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	25	40	32	1500	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	50	100	86.52	3000	DEFAULT	2
48000	1998	2268005060	CNG - Irrigation Sets	100	175	138.9	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	175	300	233.3	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	300	600	384.4	3000	DEFAULT	0
.....									
48000	1998	2270005010	Dsl - 2-Wheel Tractors	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005010	Dsl - 2-Wheel Tractors	6	11	8.58	2500	DEFAULT	1
48000	1998	2270005015	Dsl - Agricultural Tractors	11	16	16.00	2500	DEFAULT	0
48000	1998	2270005015	Dsl - Agricultural Tractors	16	25	22.19	2500	DEFAULT	66
48000	1998	2270005015	Dsl - Agricultural Tractors	25	40	31.85	2500	DEFAULT	197
48000	1998	2270005015	Dsl - Agricultural Tractors	40	50	46.83	2500	DEFAULT	64
48000	1998	2270005015	Dsl - Agricultural Tractors	50	100	71.51	4667	DEFAULT	224
48000	1998	2270005015	Dsl - Agricultural Tractors	100	175	130.6	4667	DEFAULT	61
48000	1998	2270005015	Dsl - Agricultural Tractors	175	300	220.0	4667	DEFAULT	55
48000	1998	2270005015	Dsl - Agricultural Tractors	300	600	343.6	7000	DEFAULT	23
48000	1998	2270005015	Dsl - Agricultural Tractors	600	750	615.0	7000	DEFAULT	0
48000	1998	2270005020	Dsl - Combines	50	100	89.72	4667	DEFAULT	3
48000	1998	2270005020	Dsl - Combines	100	175	148.3	4667	DEFAULT	31
48000	1998	2270005020	Dsl - Combines	175	300	213.0	4667	DEFAULT	40
48000	1998	2270005020	Dsl - Combines	300	600	325.4	7000	DEFAULT	1
48000	1998	2270005025	Dsl - Balers	40	50	50.00	2500	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	50	100	67.39	4667	DEFAULT	1
48000	1998	2270005025	Dsl - Balers	100	175	142.4	4667	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	175	300	177.0	4667	DEFAULT	0
48000	1998	2270005030	Dsl - Agricultural Mowers	50	100	76.00	4667	DEFAULT	0

48000	1998	2270005035	Dsl - Sprayers	16	25	23.64	2500	DEFAULT	1
48000	1998	2270005035	Dsl - Sprayers	25	40	36.43	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	40	50	48.75	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	50	100	84.88	4667	DEFAULT	1
48000	1998	2270005035	Dsl - Sprayers	100	175	121.8	4667	DEFAULT	2
48000	1998	2270005035	Dsl - Sprayers	175	300	241.8	4667	DEFAULT	2
48000	1998	2270005035	Dsl - Sprayers	300	600	348.8	7000	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	175	300	245.0	4667	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	300	600	424.5	7000	DEFAULT	0
48000	1998	2270005045	Dsl - Swathers	50	100	85.22	4667	DEFAULT	5
48000	1998	2270005045	Dsl - Swathers	100	175	114.4	4667	DEFAULT	1
48000	1998	2270005050	Dsl - Hydro Power Units	3	6	4.47	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	6	11	9.21	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	11	16	15.37	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	16	25	20.05	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	25	40	33.90	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	40	50	42.57	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	50	100	71.80	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	100	175	131.4	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	175	300	208.3	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	300	600	434.7	7000	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	600	750	743.3	7000	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	11	16	14.46	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	16	25	22.32	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	25	40	27.28	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	40	50	46.56	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	50	100	78.50	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	100	175	146.4	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	175	300	235.2	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	300	600	366.5	7000	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	750	1000	965.0	7000	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	6	11	9.50	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	11	16	14.75	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	16	25	22.40	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	25	40	33.90	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	40	50	46.55	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	50	100	82.34	4667	DEFAULT	7
48000	1998	2270005060	Dsl - Irrigation Sets	100	175	126.4	4667	DEFAULT	3
48000	1998	2270005060	Dsl - Irrigation Sets	175	300	208.4	4667	DEFAULT	1
48000	1998	2270005060	Dsl - Irrigation Sets	300	600	362.4	7000	DEFAULT	0

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Modification of the Fort Bend County Agricultural Equipment Population

/POPULATION/

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48000	1998	2265005010	4-Str 2-Wheel Tractors	6	11	8.197	400	DEFAULT		8
48000	1998	2265005010	4-Str 2-Wheel Tractors	11	16	14.19	400	DEFAULT		7
48000	1998	2265005015	4-Str Agricultural Tractors	16	25	20.4	750	DEFAULT		5
48000	1998	2265005015	4-Str Agricultural Tractors	25	40	30.5	1500	DEFAULT		0
48000	1998	2265005015	4-Str Agricultural Tractors	50	100	82.13	3000	DEFAULT		2
48000	1998	2265005015	4-Str Agricultural Tractors	100	175	125	3000	DEFAULT		0
48000	1998	2265005020	4-Str Combines	50	100	87	2312	DEFAULT		0
48000	1998	2265005020	4-Str Combines	100	175	141.2	2312	DEFAULT		0
48000	1998	2265005025	4-Str Balers	25	40	34.57	1054	DEFAULT		5
48000	1998	2265005025	4-Str Balers	50	100	65.28	1054	DEFAULT		2
48000	1998	2265005025	4-Str Balers	100	175	113	1054	DEFAULT		0
48000	1998	2265005030	4-Str Agricultural Mowers	3	6	6	200	DEFAULT		0
48000	1998	2265005030	4-Str Agricultural Mowers	6	11	9.206	400	DEFAULT		2
48000	1998	2265005030	4-Str Agricultural Mowers	11	16	16	400	DEFAULT		0
48000	1998	2265005030	4-Str Agricultural Mowers	16	25	18	750	DEFAULT		1
48000	1998	2260005035	2-Str Sprayers	0	1	0.88	150	DEFAULT		0
48000	1998	2260005035	2-Str Sprayers	1	3	2.567	150	DEFAULT		8
48000	1998	2265005035	4-Str Sprayers	3	6	4.37	200	DEFAULT		33
48000	1998	2265005035	4-Str Sprayers	6	11	8.204	400	DEFAULT		12
48000	1998	2265005035	4-Str Sprayers	11	16	14.85	400	DEFAULT		4
48000	1998	2265005035	4-Str Sprayers	16	25	20.51	750	DEFAULT		7
48000	1998	2265005035	4-Str Sprayers	25	40	33.28	1300	DEFAULT		2
48000	1998	2265005035	4-Str Sprayers	50	100	76.25	1300	DEFAULT		1
48000	1998	2265005035	4-Str Sprayers	100	175	130.3	1300	DEFAULT		1
48000	1998	2265005040	4-Str Tillers > 6 HP	6	11	7.501	830.7	DEFAULT		287
48000	1998	2265005040	4-Str Tillers > 6 HP	11	16	14.76	830.7	DEFAULT		0
48000	1996	2265005045	4-Str Swathers	50	100	80	1235	DEFAULT		3
48000	1996	2265005045	4-Str Swathers	100	175	121.9	1235	DEFAULT		2
48000	1998	2260005050	2-Str Hydro Power Units	1	3	1.709	150	DEFAULT		0
48000	1998	2265005050	4-Str Hydro Power Units	3	6	4.834	200	DEFAULT		2
48000	1998	2265005050	4-Str Hydro Power Units	6	11	9.855	400	DEFAULT		2
48000	1998	2265005050	4-Str Hydro Power Units	11	16	13.1	400	DEFAULT		2
48000	1998	2265005050	4-Str Hydro Power Units	16	25	18.35	750	DEFAULT		2
48000	1998	2265005050	4-Str Hydro Power Units	25	40	33.91	1500	DEFAULT		0
48000	1998	2265005050	4-Str Hydro Power Units	40	50	46	1500	DEFAULT		0
48000	1998	2265005050	4-Str Hydro Power Units	50	100	66.79	3000	DEFAULT		0
48000	1998	2265005050	4-Str Hydro Power Units	100	175	113	3000	DEFAULT		0
48000	1998	2267005050	LPG - Hydro Power Units	25	40	33.91	1500	DEFAULT		0
48000	1998	2267005050	LPG - Hydro Power Units	40	50	46	1500	DEFAULT		0
48000	1998	2267005050	LPG - Hydro Power Units	50	100	66.79	3000	DEFAULT		0

48000	1998	2267005050	LPG - Hydro Power Units	100	175	154	3000	DEFAULT	0
48000	1998	2268005050	CNG - Hydro Power Units	100	175	148	3000	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	3	6	4.84	200	DEFAULT	9
48000	1998	2265005055	4-Str Other Agricultural Equipment	6	11	9.14	400	DEFAULT	44
48000	1998	2265005055	4-Str Other Agricultural Equipment	11	16	14.11	400	DEFAULT	26
48000	1998	2265005055	4-Str Other Agricultural Equipment	16	25	18.64	750	DEFAULT	23
48000	1998	2265005055	4-Str Other Agricultural Equipment	25	40	32.23	1500	DEFAULT	2
48000	1998	2265005055	4-Str Other Agricultural Equipment	50	100	65.9	1705	DEFAULT	3
48000	1998	2265005055	4-Str Other Agricultural Equipment	100	175	167.4	1705	DEFAULT	18
48000	1998	2265005055	4-Str Other Agricultural Equipment	175	300	230.1	1705	DEFAULT	7
48000	1998	2267005055	LPG - Other Agricultural Equipment	100	175	154	1705	DEFAULT	0
48000	1998	2268005055	CNG - Other Agricultural Equipment	100	175	148	1705	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	3	6	4.692	200	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	6	11	8.918	400	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	16	25	18	750	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	50	100	73.64	3000	DEFAULT	1
48000	1998	2265005060	4-Str Irrigation Sets	100	175	120.5	3000	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	175	300	210.2	3000	DEFAULT	0
48000	1998	2267005060	LPG - Irrigation Sets	100	175	113	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	25	40	32	1500	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	50	100	86.52	3000	DEFAULT	1
48000	1998	2268005060	CNG - Irrigation Sets	100	175	138.9	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	175	300	233.3	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	300	600	384.4	3000	DEFAULT	0
....									
48000	1998	2270005010	Dsl - 2-Wheel Tractors	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005010	Dsl - 2-Wheel Tractors	6	11	8.58	2500	DEFAULT	2
48000	1998	2270005015	Dsl - Agricultural Tractors	11	16	16.00	2500	DEFAULT	0
48000	1998	2270005015	Dsl - Agricultural Tractors	16	25	22.19	2500	DEFAULT	194
48000	1998	2270005015	Dsl - Agricultural Tractors	25	40	31.85	2500	DEFAULT	576
48000	1998	2270005015	Dsl - Agricultural Tractors	40	50	46.83	2500	DEFAULT	221
48000	1998	2270005015	Dsl - Agricultural Tractors	50	100	71.51	4667	DEFAULT	772
48000	1998	2270005015	Dsl - Agricultural Tractors	100	175	130.6	4667	DEFAULT	212
48000	1998	2270005015	Dsl - Agricultural Tractors	175	300	220.0	4667	DEFAULT	193
48000	1998	2270005015	Dsl - Agricultural Tractors	300	600	343.6	7000	DEFAULT	80
48000	1998	2270005015	Dsl - Agricultural Tractors	600	750	615.0	7000	DEFAULT	0
48000	1998	2270005020	Dsl - Combines	50	100	89.72	4667	DEFAULT	5
48000	1998	2270005020	Dsl - Combines	100	175	148.3	4667	DEFAULT	50
48000	1998	2270005020	Dsl - Combines	175	300	213.0	4667	DEFAULT	65
48000	1998	2270005020	Dsl - Combines	300	600	325.4	7000	DEFAULT	2
48000	1998	2270005025	Dsl - Balers	40	50	50.00	2500	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	50	100	67.39	4667	DEFAULT	2
48000	1998	2270005025	Dsl - Balers	100	175	142.4	4667	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	175	300	177.0	4667	DEFAULT	0
48000	1998	2270005030	Dsl - Agricultural Mowers	50	100	76.00	4667	DEFAULT	0

48000	1998	2270005035	Dsl - Sprayers	16	25	23.64	2500	DEFAULT	1
48000	1998	2270005035	Dsl - Sprayers	25	40	36.43	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	40	50	48.75	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	50	100	84.88	4667	DEFAULT	4
48000	1998	2270005035	Dsl - Sprayers	100	175	121.8	4667	DEFAULT	5
48000	1998	2270005035	Dsl - Sprayers	175	300	241.8	4667	DEFAULT	5
48000	1998	2270005035	Dsl - Sprayers	300	600	348.8	7000	DEFAULT	1
48000	1998	2270005040	Dsl - Tillers > 6 HP	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	175	300	245.0	4667	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	300	600	424.5	7000	DEFAULT	0
48000	1998	2270005045	Dsl - Swathers	50	100	85.22	4667	DEFAULT	17
48000	1998	2270005045	Dsl - Swathers	100	175	114.4	4667	DEFAULT	3
48000	1998	2270005050	Dsl - Hydro Power Units	3	6	4.47	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	6	11	9.21	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	11	16	15.37	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	16	25	20.05	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	25	40	33.90	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	40	50	42.57	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	50	100	71.80	4667	DEFAULT	1
48000	1998	2270005050	Dsl - Hydro Power Units	100	175	131.4	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	175	300	208.3	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	300	600	434.7	7000	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	600	750	743.3	7000	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	11	16	14.46	2500	DEFAULT	2
48000	1998	2270005055	Dsl - Other Agricultural Equipment	16	25	22.32	2500	DEFAULT	7
48000	1998	2270005055	Dsl - Other Agricultural Equipment	25	40	27.28	2500	DEFAULT	3
48000	1998	2270005055	Dsl - Other Agricultural Equipment	40	50	46.56	2500	DEFAULT	2
48000	1998	2270005055	Dsl - Other Agricultural Equipment	50	100	78.50	4667	DEFAULT	43
48000	1998	2270005055	Dsl - Other Agricultural Equipment	100	175	146.4	4667	DEFAULT	45
48000	1998	2270005055	Dsl - Other Agricultural Equipment	175	300	235.2	4667	DEFAULT	42
48000	1998	2270005055	Dsl - Other Agricultural Equipment	300	600	366.5	7000	DEFAULT	14
48000	1998	2270005055	Dsl - Other Agricultural Equipment	750	1000	965.0	7000	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	6	11	9.50	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	11	16	14.75	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	16	25	22.40	2500	DEFAULT	1
48000	1998	2270005060	Dsl - Irrigation Sets	25	40	33.90	2500	DEFAULT	1
48000	1998	2270005060	Dsl - Irrigation Sets	40	50	46.55	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	50	100	82.34	4667	DEFAULT	5
48000	1998	2270005060	Dsl - Irrigation Sets	100	175	126.4	4667	DEFAULT	2
48000	1998	2270005060	Dsl - Irrigation Sets	175	300	208.4	4667	DEFAULT	1
48000	1998	2270005060	Dsl - Irrigation Sets	300	600	362.4	7000	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	600	750	714.0	7000	DEFAULT	0

/END/

Modification of the Galveston County Agricultural Equipment Population

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....
48000      1998 2265005010 4-Str 2-Wheel Tractors           6    11 8.197    400 DEFAULT           4
48000      1998 2265005010 4-Str 2-Wheel Tractors           11   16 14.19    400 DEFAULT           4
48000      1998 2265005015 4-Str Agricultural Tractors        16   25  20.4    750 DEFAULT           5
48000      1998 2265005015 4-Str Agricultural Tractors        25   40  30.5   1500 DEFAULT           0
48000      1998 2265005015 4-Str Agricultural Tractors        50  100 82.13   3000 DEFAULT           1
48000      1998 2265005015 4-Str Agricultural Tractors       100  175 125    3000 DEFAULT           0
48000      1998 2265005020 4-Str Combines                    50  100  87    2312 DEFAULT           0
48000      1998 2265005020 4-Str Combines                   100  175 141.2  2312 DEFAULT           0
48000      1998 2265005025 4-Str Balers                       25   40 34.57   1054 DEFAULT           0
48000      1998 2265005025 4-Str Balers                       50  100 65.28   1054 DEFAULT           0
48000      1998 2265005025 4-Str Balers                       100  175  113   1054 DEFAULT           0
48000      1998 2265005030 4-Str Agricultural Mowers          3    6    6    200 DEFAULT           0
48000      1998 2265005030 4-Str Agricultural Mowers          6   11  9.206   400 DEFAULT           0
48000      1998 2265005030 4-Str Agricultural Mowers         11   16   16    400 DEFAULT           0
48000      1998 2265005030 4-Str Agricultural Mowers         16   25   18    750 DEFAULT           0
48000      1998 2260005035 2-Str Sprayers                    0    1  0.88    150 DEFAULT           0
48000      1998 2260005035 2-Str Sprayers                    1    3  2.567   150 DEFAULT           1
48000      1998 2265005035 4-Str Sprayers                    3    6  4.37    200 DEFAULT           2
48000      1998 2265005035 4-Str Sprayers                    6   11  8.204   400 DEFAULT           1
48000      1998 2265005035 4-Str Sprayers                    11   16 14.85    400 DEFAULT           0
48000      1998 2265005035 4-Str Sprayers                    16   25 20.51    750 DEFAULT           0
48000      1998 2265005035 4-Str Sprayers                    25   40 33.28   1300 DEFAULT           0
48000      1998 2265005035 4-Str Sprayers                    50  100 76.25   1300 DEFAULT           0
48000      1998 2265005035 4-Str Sprayers                   100  175 130.3   1300 DEFAULT           0
48000      1998 2265005040 4-Str Tillers > 6 HP                6   11  7.501  830.7 DEFAULT           19
48000      1998 2265005040 4-Str Tillers > 6 HP                11   16 14.76  830.7 DEFAULT           0
48000      1996 2265005045 4-Str Swathers                    50  100  80   1235 DEFAULT           2
48000      1996 2265005045 4-Str Swathers                   100  175 121.9  1235 DEFAULT           1
48000      1998 2260005050 2-Str Hydro Power Units            1    3  1.709   150 DEFAULT           0
48000      1998 2265005050 4-Str Hydro Power Units            3    6  4.834   200 DEFAULT           2
48000      1998 2265005050 4-Str Hydro Power Units            6   11  9.855   400 DEFAULT           1
48000      1998 2265005050 4-Str Hydro Power Units           11   16 13.1    400 DEFAULT           1
48000      1998 2265005050 4-Str Hydro Power Units           16   25 18.35   750 DEFAULT           1
48000      1998 2265005050 4-Str Hydro Power Units           25   40 33.91   1500 DEFAULT           0
48000      1998 2265005050 4-Str Hydro Power Units           40   50  46   1500 DEFAULT           0
48000      1998 2265005050 4-Str Hydro Power Units           50  100 66.79   3000 DEFAULT           0
48000      1998 2265005050 4-Str Hydro Power Units          100  175  113   3000 DEFAULT           0
48000      1998 2267005050 LPG - Hydro Power Units    25   40 33.91   1500 DEFAULT           0
48000      1998 2267005050 LPG - Hydro Power Units    40   50  46   1500 DEFAULT           0
48000      1998 2267005050 LPG - Hydro Power Units    50  100 66.79   3000 DEFAULT           0

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48000	1998	2267005050	LPG - Hydro Power Units	100	175	154	3000	DEFAULT	0
48000	1998	2268005050	CNG - Hydro Power Units	100	175	148	3000	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	3	6	4.84	200	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	6	11	9.14	400	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	11	16	14.11	400	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	16	25	18.64	750	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	25	40	32.23	1500	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	50	100	65.9	1705	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	100	175	167.4	1705	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	175	300	230.1	1705	DEFAULT	0
48000	1998	2267005055	LPG - Other Agricultural Equipment	100	175	154	1705	DEFAULT	0
48000	1998	2268005055	CNG - Other Agricultural Equipment	100	175	148	1705	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	3	6	4.692	200	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	6	11	8.918	400	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	16	25	18	750	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	50	100	73.64	3000	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	100	175	120.5	3000	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	175	300	210.2	3000	DEFAULT	0
48000	1998	2267005060	LPG - Irrigation Sets	100	175	113	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	25	40	32	1500	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	50	100	86.52	3000	DEFAULT	1
48000	1998	2268005060	CNG - Irrigation Sets	100	175	138.9	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	175	300	233.3	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	300	600	384.4	3000	DEFAULT	0
....									
48000	1998	2270005010	Dsl - 2-Wheel Tractors	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005010	Dsl - 2-Wheel Tractors	6	11	8.58	2500	DEFAULT	1
48000	1998	2270005015	Dsl - Agricultural Tractors	11	16	16.00	2500	DEFAULT	0
48000	1998	2270005015	Dsl - Agricultural Tractors	16	25	22.19	2500	DEFAULT	103
48000	1998	2270005015	Dsl - Agricultural Tractors	25	40	31.85	2500	DEFAULT	305
48000	1998	2270005015	Dsl - Agricultural Tractors	40	50	46.83	2500	DEFAULT	79
48000	1998	2270005015	Dsl - Agricultural Tractors	50	100	71.51	4667	DEFAULT	276
48000	1998	2270005015	Dsl - Agricultural Tractors	100	175	130.6	4667	DEFAULT	49
48000	1998	2270005015	Dsl - Agricultural Tractors	175	300	220.0	4667	DEFAULT	44
48000	1998	2270005015	Dsl - Agricultural Tractors	300	600	343.6	7000	DEFAULT	18
48000	1998	2270005015	Dsl - Agricultural Tractors	600	750	615.0	7000	DEFAULT	0
48000	1998	2270005020	Dsl - Combines	50	100	89.72	4667	DEFAULT	0
48000	1998	2270005020	Dsl - Combines	100	175	148.3	4667	DEFAULT	2
48000	1998	2270005020	Dsl - Combines	175	300	213.0	4667	DEFAULT	3
48000	1998	2270005020	Dsl - Combines	300	600	325.4	7000	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	40	50	50.00	2500	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	50	100	67.39	4667	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	100	175	142.4	4667	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	175	300	177.0	4667	DEFAULT	0
48000	1998	2270005030	Dsl - Agricultural Mowers	50	100	76.00	4667	DEFAULT	0

48000	1998	2270005035	Dsl - Sprayers	16	25	23.64	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	25	40	36.43	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	40	50	48.75	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	50	100	84.88	4667	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	100	175	121.8	4667	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	175	300	241.8	4667	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	300	600	348.8	7000	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	175	300	245.0	4667	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	300	600	424.5	7000	DEFAULT	0
48000	1998	2270005045	Dsl - Swathers	50	100	85.22	4667	DEFAULT	1
48000	1998	2270005045	Dsl - Swathers	100	175	114.4	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	3	6	4.47	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	6	11	9.21	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	11	16	15.37	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	16	25	20.05	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	25	40	33.90	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	40	50	42.57	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	50	100	71.80	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	100	175	131.4	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	175	300	208.3	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	300	600	434.7	7000	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	600	750	743.3	7000	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	11	16	14.46	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	16	25	22.32	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	25	40	27.28	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	40	50	46.56	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	50	100	78.50	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	100	175	146.4	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	175	300	235.2	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	300	600	366.5	7000	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	750	1000	965.0	7000	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	6	11	9.50	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	11	16	14.75	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	16	25	22.40	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	25	40	33.90	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	40	50	46.55	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	50	100	82.34	4667	DEFAULT	1
48000	1998	2270005060	Dsl - Irrigation Sets	100	175	126.4	4667	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	175	300	208.4	4667	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	300	600	362.4	7000	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	600	750	714.0	7000	DEFAULT	0

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Modification of the Galveston County Agricultural Equipment Population

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48000      1998 2265005010 4-Str 2-Wheel Tractors           6    11 8.197    400 DEFAULT           14
48000      1998 2265005010 4-Str 2-Wheel Tractors           11   16 14.19    400 DEFAULT           12
48000      1998 2265005015 4-Str Agricultural Tractors        16   25  20.4    750 DEFAULT            0
48000      1998 2265005015 4-Str Agricultural Tractors        25   40  30.5   1500 DEFAULT            0
48000      1998 2265005015 4-Str Agricultural Tractors        50  100 82.13   3000 DEFAULT            3
48000      1998 2265005015 4-Str Agricultural Tractors       100  175 125    3000 DEFAULT            0
48000      1998 2265005020 4-Str Combines                    50  100  87    2312 DEFAULT            0
48000      1998 2265005020 4-Str Combines                   100  175 141.2  2312 DEFAULT            0
48000      1998 2265005025 4-Str Balers                       25   40 34.57   1054 DEFAULT            2
48000      1998 2265005025 4-Str Balers                       50  100 65.28   1054 DEFAULT            1
48000      1998 2265005025 4-Str Balers                       100  175 113    1054 DEFAULT            0
48000      1998 2265005030 4-Str Agricultural Mowers          3    6    6    200 DEFAULT            0
48000      1998 2265005030 4-Str Agricultural Mowers          6   11  9.206   400 DEFAULT            1
48000      1998 2265005030 4-Str Agricultural Mowers         11   16  16    400 DEFAULT            0
48000      1998 2265005030 4-Str Agricultural Mowers         16   25  18    750 DEFAULT            0
48000      1998 2260005035 2-Str Sprayers                    0    1  0.88    150 DEFAULT            0
48000      1998 2260005035 2-Str Sprayers                    1    3  2.567   150 DEFAULT            4
48000      1998 2265005035 4-Str Sprayers                    3    6  4.37    200 DEFAULT           15
48000      1998 2265005035 4-Str Sprayers                    6   11  8.204   400 DEFAULT            6
48000      1998 2265005035 4-Str Sprayers                   11   16 14.85   400 DEFAULT            2
48000      1998 2265005035 4-Str Sprayers                   16   25 20.51   750 DEFAULT            3
48000      1998 2265005035 4-Str Sprayers                   25   40 33.28   1300 DEFAULT            1
48000      1998 2265005035 4-Str Sprayers                   50  100 76.25   1300 DEFAULT            1
48000      1998 2265005035 4-Str Sprayers                   100  175 130.3   1300 DEFAULT            0
48000      1998 2265005040 4-Str Tillers > 6 HP                6   11  7.501  830.7 DEFAULT           133
48000      1998 2265005040 4-Str Tillers > 6 HP                11   16 14.76  830.7 DEFAULT            0
48000      1996 2265005045 4-Str Swathers                    50  100  80   1235 DEFAULT            1
48000      1996 2265005045 4-Str Swathers                   100  175 121.9  1235 DEFAULT            1
48000      1998 2260005050 2-Str Hydro Power Units            1    3  1.709   150 DEFAULT            0
48000      1998 2265005050 4-Str Hydro Power Units            3    6  4.834   200 DEFAULT            0
48000      1998 2265005050 4-Str Hydro Power Units            6   11  9.855   400 DEFAULT            1
48000      1998 2265005050 4-Str Hydro Power Units           11   16 13.1    400 DEFAULT            1
48000      1998 2265005050 4-Str Hydro Power Units           16   25 18.35   750 DEFAULT            1
48000      1998 2265005050 4-Str Hydro Power Units           25   40 33.91   1500 DEFAULT            1
48000      1998 2265005050 4-Str Hydro Power Units           40   50  46   1500 DEFAULT            0
48000      1998 2265005050 4-Str Hydro Power Units           50  100 66.79   3000 DEFAULT            0
48000      1998 2265005050 4-Str Hydro Power Units          100  175 113    3000 DEFAULT            0
48000      1998 2267005050 LPG - Hydro Power Units    25   40 33.91   1500 DEFAULT            0
48000      1998 2267005050 LPG - Hydro Power Units    40   50  46   1500 DEFAULT            0
48000      1998 2267005050 LPG - Hydro Power Units    50  100 66.79   3000 DEFAULT            0

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48000	1998	2267005050	LPG - Hydro Power Units	100	175	154	3000	DEFAULT	0
48000	1998	2268005050	CNG - Hydro Power Units	100	175	148	3000	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	3	6	4.84	200	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	6	11	9.14	400	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	11	16	14.11	400	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	16	25	18.64	750	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	25	40	32.23	1500	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	50	100	65.9	1705	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	100	175	167.4	1705	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	175	300	230.1	1705	DEFAULT	0
48000	1998	2267005055	LPG - Other Agricultural Equipment	100	175	154	1705	DEFAULT	0
48000	1998	2268005055	CNG - Other Agricultural Equipment	100	175	148	1705	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	3	6	4.692	200	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	6	11	8.918	400	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	16	25	18	750	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	50	100	73.64	3000	DEFAULT	1
48000	1998	2265005060	4-Str Irrigation Sets	100	175	120.5	3000	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	175	300	210.2	3000	DEFAULT	0
48000	1998	2267005060	LPG - Irrigation Sets	100	175	113	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	25	40	32	1500	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	50	100	86.52	3000	DEFAULT	1
48000	1998	2268005060	CNG - Irrigation Sets	100	175	138.9	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	175	300	233.3	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	300	600	384.4	3000	DEFAULT	0
.....									
48000	1998	2270005010	Dsl - 2-Wheel Tractors	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005010	Dsl - 2-Wheel Tractors	6	11	8.58	2500	DEFAULT	3
48000	1998	2270005015	Dsl - Agricultural Tractors	11	16	16.00	2500	DEFAULT	0
48000	1998	2270005015	Dsl - Agricultural Tractors	16	25	22.19	2500	DEFAULT	339
48000	1998	2270005015	Dsl - Agricultural Tractors	25	40	31.85	2500	DEFAULT	1007
48000	1998	2270005015	Dsl - Agricultural Tractors	40	50	46.83	2500	DEFAULT	234
48000	1998	2270005015	Dsl - Agricultural Tractors	50	100	71.51	4667	DEFAULT	818
48000	1998	2270005015	Dsl - Agricultural Tractors	100	175	130.6	4667	DEFAULT	107
48000	1998	2270005015	Dsl - Agricultural Tractors	175	300	220.0	4667	DEFAULT	97
48000	1998	2270005015	Dsl - Agricultural Tractors	300	600	343.6	7000	DEFAULT	40
48000	1998	2270005015	Dsl - Agricultural Tractors	600	750	615.0	7000	DEFAULT	0
48000	1998	2270005020	Dsl - Combines	50	100	89.72	4667	DEFAULT	3
48000	1998	2270005020	Dsl - Combines	100	175	148.3	4667	DEFAULT	27
48000	1998	2270005020	Dsl - Combines	175	300	213.0	4667	DEFAULT	36
48000	1998	2270005020	Dsl - Combines	300	600	325.4	7000	DEFAULT	1
48000	1998	2270005025	Dsl - Balers	40	50	50.00	2500	DEFAULT	1
48000	1998	2270005025	Dsl - Balers	50	100	67.39	4667	DEFAULT	1
48000	1998	2270005025	Dsl - Balers	100	175	142.4	4667	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	175	300	177.0	4667	DEFAULT	0
48000	1998	2270005030	Dsl - Agricultural Mowers	50	100	76.00	4667	DEFAULT	0

48000	1998	2270005035	Dsl - Sprayers	16	25	23.64	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	25	40	36.43	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	40	50	48.75	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	50	100	84.88	4667	DEFAULT	2
48000	1998	2270005035	Dsl - Sprayers	100	175	121.8	4667	DEFAULT	2
48000	1998	2270005035	Dsl - Sprayers	175	300	241.8	4667	DEFAULT	2
48000	1998	2270005035	Dsl - Sprayers	300	600	348.8	7000	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	175	300	245.0	4667	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	300	600	424.5	7000	DEFAULT	0
48000	1998	2270005045	Dsl - Swathers	50	100	85.22	4667	DEFAULT	8
48000	1998	2270005045	Dsl - Swathers	100	175	114.4	4667	DEFAULT	1
48000	1998	2270005050	Dsl - Hydro Power Units	3	6	4.47	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	6	11	9.21	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	11	16	15.37	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	16	25	20.05	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	25	40	33.90	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	40	50	42.57	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	50	100	71.80	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	100	175	131.4	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	175	300	208.3	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	300	600	434.7	7000	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	600	750	743.3	7000	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	11	16	14.46	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	16	25	22.32	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	25	40	27.28	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	40	50	46.56	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	50	100	78.50	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	100	175	146.4	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	175	300	235.2	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	300	600	366.5	7000	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	750	1000	965.0	7000	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	6	11	9.50	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	11	16	14.75	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	16	25	22.40	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	25	40	33.90	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	40	50	46.55	2500	DEFAULT	1
48000	1998	2270005060	Dsl - Irrigation Sets	50	100	82.34	4667	DEFAULT	3
48000	1998	2270005060	Dsl - Irrigation Sets	100	175	126.4	4667	DEFAULT	1
48000	1998	2270005060	Dsl - Irrigation Sets	175	300	208.4	4667	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	300	600	362.4	7000	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	600	750	714.0	7000	DEFAULT	0

/END/

Modification of the Harris County Agricultural Equipment Population

/POPULATION/

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48000      1998 2265005010 4-Str 2-Wheel Tractors          6    11 8.197    400  DEFAULT          14
48000      1998 2265005010 4-Str 2-Wheel Tractors          11   16 14.19    400  DEFAULT          12
48000      1998 2265005015 4-Str Agricultural Tractors       16   25  20.4    750  DEFAULT           0
48000      1998 2265005015 4-Str Agricultural Tractors       25   40  30.5   1500  DEFAULT           0
48000      1998 2265005015 4-Str Agricultural Tractors       50  100 82.13   3000  DEFAULT           3
48000      1998 2265005015 4-Str Agricultural Tractors      100  175  125   3000  DEFAULT           0
48000      1998 2265005020 4-Str Combines                    50  100   87   2312  DEFAULT           0
48000      1998 2265005020 4-Str Combines                    100  175 141.2   2312  DEFAULT           0
48000      1998 2265005025 4-Str Balers                       25   40 34.57   1054  DEFAULT           2
48000      1998 2265005025 4-Str Balers                       50  100 65.28   1054  DEFAULT           1
48000      1998 2265005025 4-Str Balers                       100  175  113   1054  DEFAULT           0
48000      1998 2265005030 4-Str Agricultural Mowers          3     6     6     200  DEFAULT           0
48000      1998 2265005030 4-Str Agricultural Mowers          6    11  9.206   400  DEFAULT           1
48000      1998 2265005030 4-Str Agricultural Mowers         11   16   16     400  DEFAULT           0
48000      1998 2265005030 4-Str Agricultural Mowers         16   25   18     750  DEFAULT           0
48000      1998 2260005035 2-Str Sprayers                     0     1  0.88    150  DEFAULT           0
48000      1998 2260005035 2-Str Sprayers                     1     3  2.567   150  DEFAULT           4
48000      1998 2265005035 4-Str Sprayers                      3     6  4.37    200  DEFAULT          15
48000      1998 2265005035 4-Str Sprayers                      6    11  8.204   400  DEFAULT           6
48000      1998 2265005035 4-Str Sprayers                      11   16 14.85   400  DEFAULT           2
48000      1998 2265005035 4-Str Sprayers                      16   25 20.51   750  DEFAULT           3
48000      1998 2265005035 4-Str Sprayers                      25   40 33.28   1300  DEFAULT           1
48000      1998 2265005035 4-Str Sprayers                      50  100 76.25   1300  DEFAULT           1
48000      1998 2265005035 4-Str Sprayers                     100  175 130.3   1300  DEFAULT           0
48000      1998 2265005040 4-Str Tillers > 6 HP                6    11  7.501  830.7  DEFAULT          133
48000      1998 2265005040 4-Str Tillers > 6 HP                11   16 14.76  830.7  DEFAULT           0
48000      1996 2265005045 4-Str Swathers                    50  100   80   1235  DEFAULT           1
48000      1996 2265005045 4-Str Swathers                    100  175 121.9   1235  DEFAULT           1
48000      1998 2260005050 2-Str Hydro Power Units             1     3  1.709   150  DEFAULT           0
48000      1998 2265005050 4-Str Hydro Power Units             3     6  4.834   200  DEFAULT           0
48000      1998 2265005050 4-Str Hydro Power Units             6    11  9.855   400  DEFAULT           1
48000      1998 2265005050 4-Str Hydro Power Units            11   16  13.1   400  DEFAULT           1
48000      1998 2265005050 4-Str Hydro Power Units            16   25 18.35   750  DEFAULT           1
48000      1998 2265005050 4-Str Hydro Power Units            25   40 33.91   1500  DEFAULT           1
48000      1998 2265005050 4-Str Hydro Power Units            40   50   46   1500  DEFAULT           0
48000      1998 2265005050 4-Str Hydro Power Units            50  100 66.79   3000  DEFAULT           0
48000      1998 2265005050 4-Str Hydro Power Units           100  175  113   3000  DEFAULT           0
48000      1998 2267005050 LPG - Hydro Power Units       25   40 33.91   1500  DEFAULT           0
48000      1998 2267005050 LPG - Hydro Power Units       40   50   46   1500  DEFAULT           0
48000      1998 2267005050 LPG - Hydro Power Units       50  100 66.79   3000  DEFAULT           0

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48000	1998	2267005050	LPG - Hydro Power Units	100	175	154	3000	DEFAULT	0
48000	1998	2268005050	CNG - Hydro Power Units	100	175	148	3000	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	3	6	4.84	200	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	6	11	9.14	400	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	11	16	14.11	400	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	16	25	18.64	750	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	25	40	32.23	1500	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	50	100	65.9	1705	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	100	175	167.4	1705	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	175	300	230.1	1705	DEFAULT	0
48000	1998	2267005055	LPG - Other Agricultural Equipment	100	175	154	1705	DEFAULT	0
48000	1998	2268005055	CNG - Other Agricultural Equipment	100	175	148	1705	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	3	6	4.692	200	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	6	11	8.918	400	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	16	25	18	750	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	50	100	73.64	3000	DEFAULT	1
48000	1998	2265005060	4-Str Irrigation Sets	100	175	120.5	3000	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	175	300	210.2	3000	DEFAULT	0
48000	1998	2267005060	LPG - Irrigation Sets	100	175	113	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	25	40	32	1500	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	50	100	86.52	3000	DEFAULT	1
48000	1998	2268005060	CNG - Irrigation Sets	100	175	138.9	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	175	300	233.3	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	300	600	384.4	3000	DEFAULT	0
....									
48000	1998	2270005010	Dsl - 2-Wheel Tractors	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005010	Dsl - 2-Wheel Tractors	6	11	8.58	2500	DEFAULT	3
48000	1998	2270005015	Dsl - Agricultural Tractors	11	16	16.00	2500	DEFAULT	0
48000	1998	2270005015	Dsl - Agricultural Tractors	16	25	22.19	2500	DEFAULT	339
48000	1998	2270005015	Dsl - Agricultural Tractors	25	40	31.85	2500	DEFAULT	1007
48000	1998	2270005015	Dsl - Agricultural Tractors	40	50	46.83	2500	DEFAULT	234
48000	1998	2270005015	Dsl - Agricultural Tractors	50	100	71.51	4667	DEFAULT	818
48000	1998	2270005015	Dsl - Agricultural Tractors	100	175	130.6	4667	DEFAULT	107
48000	1998	2270005015	Dsl - Agricultural Tractors	175	300	220.0	4667	DEFAULT	97
48000	1998	2270005015	Dsl - Agricultural Tractors	300	600	343.6	7000	DEFAULT	40
48000	1998	2270005015	Dsl - Agricultural Tractors	600	750	615.0	7000	DEFAULT	0
48000	1998	2270005020	Dsl - Combines	50	100	89.72	4667	DEFAULT	3
48000	1998	2270005020	Dsl - Combines	100	175	148.3	4667	DEFAULT	27
48000	1998	2270005020	Dsl - Combines	175	300	213.0	4667	DEFAULT	36
48000	1998	2270005020	Dsl - Combines	300	600	325.4	7000	DEFAULT	1
48000	1998	2270005025	Dsl - Balers	40	50	50.00	2500	DEFAULT	1
48000	1998	2270005025	Dsl - Balers	50	100	67.39	4667	DEFAULT	1
48000	1998	2270005025	Dsl - Balers	100	175	142.4	4667	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	175	300	177.0	4667	DEFAULT	0
48000	1998	2270005030	Dsl - Agricultural Mowers	50	100	76.00	4667	DEFAULT	0

48000	1998	2270005035	Dsl - Sprayers	16	25	23.64	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	25	40	36.43	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	40	50	48.75	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	50	100	84.88	4667	DEFAULT	2
48000	1998	2270005035	Dsl - Sprayers	100	175	121.8	4667	DEFAULT	2
48000	1998	2270005035	Dsl - Sprayers	175	300	241.8	4667	DEFAULT	2
48000	1998	2270005035	Dsl - Sprayers	300	600	348.8	7000	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	175	300	245.0	4667	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	300	600	424.5	7000	DEFAULT	0
48000	1998	2270005045	Dsl - Swathers	50	100	85.22	4667	DEFAULT	8
48000	1998	2270005045	Dsl - Swathers	100	175	114.4	4667	DEFAULT	1
48000	1998	2270005050	Dsl - Hydro Power Units	3	6	4.47	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	6	11	9.21	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	11	16	15.37	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	16	25	20.05	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	25	40	33.90	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	40	50	42.57	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	50	100	71.80	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	100	175	131.4	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	175	300	208.3	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	300	600	434.7	7000	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	600	750	743.3	7000	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	11	16	14.46	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	16	25	22.32	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	25	40	27.28	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	40	50	46.56	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	50	100	78.50	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	100	175	146.4	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	175	300	235.2	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	300	600	366.5	7000	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	750	1000	965.0	7000	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	6	11	9.50	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	11	16	14.75	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	16	25	22.40	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	25	40	33.90	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	40	50	46.55	2500	DEFAULT	1
48000	1998	2270005060	Dsl - Irrigation Sets	50	100	82.34	4667	DEFAULT	3
48000	1998	2270005060	Dsl - Irrigation Sets	100	175	126.4	4667	DEFAULT	1
48000	1998	2270005060	Dsl - Irrigation Sets	175	300	208.4	4667	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	300	600	362.4	7000	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	600	750	714.0	7000	DEFAULT	0

/END/

Modification of the Liberty County Agricultural Equipment Population

/POPULATION/

Year	Year	Code	Category	Count	Count	Count	Count	Count	Count	Count
48000	1998	2265005010	4-Str 2-Wheel Tractors	6	11	8.197	400	DEFAULT		7
48000	1998	2265005010	4-Str 2-Wheel Tractors	11	16	14.19	400	DEFAULT		6
48000	1998	2265005015	4-Str Agricultural Tractors	16	25	20.4	750	DEFAULT		0
48000	1998	2265005015	4-Str Agricultural Tractors	25	40	30.5	1500	DEFAULT		0
48000	1998	2265005015	4-Str Agricultural Tractors	50	100	82.13	3000	DEFAULT		2
48000	1998	2265005015	4-Str Agricultural Tractors	100	175	125	3000	DEFAULT		0
48000	1998	2265005020	4-Str Combines	50	100	87	2312	DEFAULT		0
48000	1998	2265005020	4-Str Combines	100	175	141.2	2312	DEFAULT		0
48000	1998	2265005025	4-Str Balers	25	40	34.57	1054	DEFAULT		3
48000	1998	2265005025	4-Str Balers	50	100	65.28	1054	DEFAULT		1
48000	1998	2265005025	4-Str Balers	100	175	113	1054	DEFAULT		0
48000	1998	2265005030	4-Str Agricultural Mowers	3	6	6	200	DEFAULT		0
48000	1998	2265005030	4-Str Agricultural Mowers	6	11	9.206	400	DEFAULT		2
48000	1998	2265005030	4-Str Agricultural Mowers	11	16	16	400	DEFAULT		0
48000	1998	2265005030	4-Str Agricultural Mowers	16	25	18	750	DEFAULT		0
48000	1998	2260005035	2-Str Sprayers	0	1	0.88	150	DEFAULT		0
48000	1998	2260005035	2-Str Sprayers	1	3	2.567	150	DEFAULT		5
48000	1998	2265005035	4-Str Sprayers	3	6	4.37	200	DEFAULT		21
48000	1998	2265005035	4-Str Sprayers	6	11	8.204	400	DEFAULT		8
48000	1998	2265005035	4-Str Sprayers	11	16	14.85	400	DEFAULT		3
48000	1998	2265005035	4-Str Sprayers	16	25	20.51	750	DEFAULT		4
48000	1998	2265005035	4-Str Sprayers	25	40	33.28	1300	DEFAULT		1
48000	1998	2265005035	4-Str Sprayers	50	100	76.25	1300	DEFAULT		1
48000	1998	2265005035	4-Str Sprayers	100	175	130.3	1300	DEFAULT		0
48000	1998	2265005040	4-Str Tillers > 6 HP	6	11	7.501	830.7	DEFAULT		183
48000	1998	2265005040	4-Str Tillers > 6 HP	11	16	14.76	830.7	DEFAULT		0
48000	1996	2265005045	4-Str Swathers	50	100	80	1235	DEFAULT		2
48000	1996	2265005045	4-Str Swathers	100	175	121.9	1235	DEFAULT		1
48000	1998	2260005050	2-Str Hydro Power Units	1	3	1.709	150	DEFAULT		0
48000	1998	2265005050	4-Str Hydro Power Units	3	6	4.834	200	DEFAULT		2
48000	1998	2265005050	4-Str Hydro Power Units	6	11	9.855	400	DEFAULT		1
48000	1998	2265005050	4-Str Hydro Power Units	11	16	13.1	400	DEFAULT		1
48000	1998	2265005050	4-Str Hydro Power Units	16	25	18.35	750	DEFAULT		1
48000	1998	2265005050	4-Str Hydro Power Units	25	40	33.91	1500	DEFAULT		0
48000	1998	2265005050	4-Str Hydro Power Units	40	50	46	1500	DEFAULT		0
48000	1998	2265005050	4-Str Hydro Power Units	50	100	66.79	3000	DEFAULT		0
48000	1998	2265005050	4-Str Hydro Power Units	100	175	113	3000	DEFAULT		0
48000	1998	2267005050	LPG - Hydro Power Units	25	40	33.91	1500	DEFAULT		0
48000	1998	2267005050	LPG - Hydro Power Units	40	50	46	1500	DEFAULT		0
48000	1998	2267005050	LPG - Hydro Power Units	50	100	66.79	3000	DEFAULT		0

48000	1998	2267005050	LPG - Hydro Power Units	100	175	154	3000	DEFAULT	0
48000	1998	2268005050	CNG - Hydro Power Units	100	175	148	3000	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	3	6	4.84	200	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	6	11	9.14	400	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	11	16	14.11	400	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	16	25	18.64	750	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	25	40	32.23	1500	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	50	100	65.9	1705	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	100	175	167.4	1705	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	175	300	230.1	1705	DEFAULT	0
48000	1998	2267005055	LPG - Other Agricultural Equipment	100	175	154	1705	DEFAULT	0
48000	1998	2268005055	CNG - Other Agricultural Equipment	100	175	148	1705	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	3	6	4.692	200	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	6	11	8.918	400	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	16	25	18	750	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	50	100	73.64	3000	DEFAULT	1
48000	1998	2265005060	4-Str Irrigation Sets	100	175	120.5	3000	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	175	300	210.2	3000	DEFAULT	0
48000	1998	2267005060	LPG - Irrigation Sets	100	175	113	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	25	40	32	1500	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	50	100	86.52	3000	DEFAULT	1
48000	1998	2268005060	CNG - Irrigation Sets	100	175	138.9	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	175	300	233.3	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	300	600	384.4	3000	DEFAULT	0
....									
48000	1998	2270005010	Dsl - 2-Wheel Tractors	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005010	Dsl - 2-Wheel Tractors	6	11	8.58	2500	DEFAULT	1
48000	1998	2270005015	Dsl - Agricultural Tractors	11	16	16.00	2500	DEFAULT	0
48000	1998	2270005015	Dsl - Agricultural Tractors	16	25	22.19	2500	DEFAULT	161
48000	1998	2270005015	Dsl - Agricultural Tractors	25	40	31.85	2500	DEFAULT	477
48000	1998	2270005015	Dsl - Agricultural Tractors	40	50	46.83	2500	DEFAULT	188
48000	1998	2270005015	Dsl - Agricultural Tractors	50	100	71.51	4667	DEFAULT	660
48000	1998	2270005015	Dsl - Agricultural Tractors	100	175	130.6	4667	DEFAULT	81
48000	1998	2270005015	Dsl - Agricultural Tractors	175	300	220.0	4667	DEFAULT	73
48000	1998	2270005015	Dsl - Agricultural Tractors	300	600	343.6	7000	DEFAULT	31
48000	1998	2270005015	Dsl - Agricultural Tractors	600	750	615.0	7000	DEFAULT	0
48000	1998	2270005020	Dsl - Combines	50	100	89.72	4667	DEFAULT	3
48000	1998	2270005020	Dsl - Combines	100	175	148.3	4667	DEFAULT	25
48000	1998	2270005020	Dsl - Combines	175	300	213.0	4667	DEFAULT	32
48000	1998	2270005020	Dsl - Combines	300	600	325.4	7000	DEFAULT	1
48000	1998	2270005025	Dsl - Balers	40	50	50.00	2500	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	50	100	67.39	4667	DEFAULT	1
48000	1998	2270005025	Dsl - Balers	100	175	142.4	4667	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	175	300	177.0	4667	DEFAULT	0
48000	1998	2270005030	Dsl - Agricultural Mowers	50	100	76.00	4667	DEFAULT	0

48000	1998	2270005035	Dsl - Sprayers	16	25	23.64	2500	DEFAULT	1
48000	1998	2270005035	Dsl - Sprayers	25	40	36.43	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	40	50	48.75	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	50	100	84.88	4667	DEFAULT	2
48000	1998	2270005035	Dsl - Sprayers	100	175	121.8	4667	DEFAULT	3
48000	1998	2270005035	Dsl - Sprayers	175	300	241.8	4667	DEFAULT	3
48000	1998	2270005035	Dsl - Sprayers	300	600	348.8	7000	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	175	300	245.0	4667	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	300	600	424.5	7000	DEFAULT	0
48000	1998	2270005045	Dsl - Swathers	50	100	85.22	4667	DEFAULT	11
48000	1998	2270005045	Dsl - Swathers	100	175	114.4	4667	DEFAULT	2
48000	1998	2270005050	Dsl - Hydro Power Units	3	6	4.47	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	6	11	9.21	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	11	16	15.37	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	16	25	20.05	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	25	40	33.90	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	40	50	42.57	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	50	100	71.80	4667	DEFAULT	1
48000	1998	2270005050	Dsl - Hydro Power Units	100	175	131.4	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	175	300	208.3	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	300	600	434.7	7000	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	600	750	743.3	7000	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	11	16	14.46	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	16	25	22.32	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	25	40	27.28	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	40	50	46.56	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	50	100	78.50	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	100	175	146.4	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	175	300	235.2	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	300	600	366.5	7000	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	750	1000	965.0	7000	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	6	11	9.50	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	11	16	14.75	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	16	25	22.40	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	25	40	33.90	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	40	50	46.55	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	50	100	82.34	4667	DEFAULT	4
48000	1998	2270005060	Dsl - Irrigation Sets	100	175	126.4	4667	DEFAULT	2
48000	1998	2270005060	Dsl - Irrigation Sets	175	300	208.4	4667	DEFAULT	1
48000	1998	2270005060	Dsl - Irrigation Sets	300	600	362.4	7000	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	600	750	714.0	7000	DEFAULT	0

/END/

Modification of the Montgomery County Agricultural Equipment Population

/POPULATION/

48000	1998	2265005010	4-Str 2-Wheel Tractors	6	11	8.197	400	DEFAULT	7
48000	1998	2265005010	4-Str 2-Wheel Tractors	11	16	14.19	400	DEFAULT	6
48000	1998	2265005015	4-Str Agricultural Tractors	16	25	20.4	750	DEFAULT	0
48000	1998	2265005015	4-Str Agricultural Tractors	25	40	30.5	1500	DEFAULT	0
48000	1998	2265005015	4-Str Agricultural Tractors	50	100	82.13	3000	DEFAULT	2
48000	1998	2265005015	4-Str Agricultural Tractors	100	175	125	3000	DEFAULT	0
48000	1998	2265005020	4-Str Combines	50	100	87	2312	DEFAULT	0
48000	1998	2265005020	4-Str Combines	100	175	141.2	2312	DEFAULT	0
48000	1998	2265005025	4-Str Balers	25	40	34.57	1054	DEFAULT	0
48000	1998	2265005025	4-Str Balers	50	100	65.28	1054	DEFAULT	0
48000	1998	2265005025	4-Str Balers	100	175	113	1054	DEFAULT	0
48000	1998	2265005030	4-Str Agricultural Mowers	3	6	6	200	DEFAULT	0
48000	1998	2265005030	4-Str Agricultural Mowers	6	11	9.206	400	DEFAULT	0
48000	1998	2265005030	4-Str Agricultural Mowers	11	16	16	400	DEFAULT	0
48000	1998	2265005030	4-Str Agricultural Mowers	16	25	18	750	DEFAULT	0
48000	1998	2260005035	2-Str Sprayers	0	1	0.88	150	DEFAULT	0
48000	1998	2260005035	2-Str Sprayers	1	3	2.567	150	DEFAULT	1
48000	1998	2265005035	4-Str Sprayers	3	6	4.37	200	DEFAULT	3
48000	1998	2265005035	4-Str Sprayers	6	11	8.204	400	DEFAULT	1
48000	1998	2265005035	4-Str Sprayers	11	16	14.85	400	DEFAULT	0
48000	1998	2265005035	4-Str Sprayers	16	25	20.51	750	DEFAULT	1
48000	1998	2265005035	4-Str Sprayers	25	40	33.28	1300	DEFAULT	0
48000	1998	2265005035	4-Str Sprayers	50	100	76.25	1300	DEFAULT	0
48000	1998	2265005035	4-Str Sprayers	100	175	130.3	1300	DEFAULT	0
48000	1998	2265005040	4-Str Tillers > 6 HP	6	11	7.501	830.7	DEFAULT	24
48000	1998	2265005040	4-Str Tillers > 6 HP	11	16	14.76	830.7	DEFAULT	0
48000	1996	2265005045	4-Str Swathers	50	100	80	1235	DEFAULT	0
48000	1996	2265005045	4-Str Swathers	100	175	121.9	1235	DEFAULT	0
48000	1998	2260005050	2-Str Hydro Power Units	1	3	1.709	150	DEFAULT	0
48000	1998	2265005050	4-Str Hydro Power Units	3	6	4.834	200	DEFAULT	0
48000	1998	2265005050	4-Str Hydro Power Units	6	11	9.855	400	DEFAULT	0
48000	1998	2265005050	4-Str Hydro Power Units	11	16	13.1	400	DEFAULT	0
48000	1998	2265005050	4-Str Hydro Power Units	16	25	18.35	750	DEFAULT	0
48000	1998	2265005050	4-Str Hydro Power Units	25	40	33.91	1500	DEFAULT	0
48000	1998	2265005050	4-Str Hydro Power Units	40	50	46	1500	DEFAULT	0
48000	1998	2265005050	4-Str Hydro Power Units	50	100	66.79	3000	DEFAULT	0
48000	1998	2265005050	4-Str Hydro Power Units	100	175	113	3000	DEFAULT	0
48000	1998	2267005050	LPG - Hydro Power Units	25	40	33.91	1500	DEFAULT	0
48000	1998	2267005050	LPG - Hydro Power Units	40	50	46	1500	DEFAULT	0
48000	1998	2267005050	LPG - Hydro Power Units	50	100	66.79	3000	DEFAULT	0

48000	1998	2267005050	LPG - Hydro Power Units	100	175	154	3000	DEFAULT	0
48000	1998	2268005050	CNG - Hydro Power Units	100	175	148	3000	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	3	6	4.84	200	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	6	11	9.14	400	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	11	16	14.11	400	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	16	25	18.64	750	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	25	40	32.23	1500	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	50	100	65.9	1705	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	100	175	167.4	1705	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	175	300	230.1	1705	DEFAULT	0
48000	1998	2267005055	LPG - Other Agricultural Equipment	100	175	154	1705	DEFAULT	0
48000	1998	2268005055	CNG - Other Agricultural Equipment	100	175	148	1705	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	3	6	4.692	200	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	6	11	8.918	400	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	16	25	18	750	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	50	100	73.64	3000	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	100	175	120.5	3000	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	175	300	210.2	3000	DEFAULT	0
48000	1998	2267005060	LPG - Irrigation Sets	100	175	113	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	25	40	32	1500	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	50	100	86.52	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	100	175	138.9	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	175	300	233.3	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	300	600	384.4	3000	DEFAULT	0
....									
48000	1998	2270005010	Dsl - 2-Wheel Tractors	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005010	Dsl - 2-Wheel Tractors	6	11	8.58	2500	DEFAULT	1
48000	1998	2270005015	Dsl - Agricultural Tractors	11	16	16.00	2500	DEFAULT	0
48000	1998	2270005015	Dsl - Agricultural Tractors	16	25	22.19	2500	DEFAULT	169
48000	1998	2270005015	Dsl - Agricultural Tractors	25	40	31.85	2500	DEFAULT	503
48000	1998	2270005015	Dsl - Agricultural Tractors	40	50	46.83	2500	DEFAULT	158
48000	1998	2270005015	Dsl - Agricultural Tractors	50	100	71.51	4667	DEFAULT	553
48000	1998	2270005015	Dsl - Agricultural Tractors	100	175	130.6	4667	DEFAULT	46
48000	1998	2270005015	Dsl - Agricultural Tractors	175	300	220.0	4667	DEFAULT	42
48000	1998	2270005015	Dsl - Agricultural Tractors	300	600	343.6	7000	DEFAULT	17
48000	1998	2270005015	Dsl - Agricultural Tractors	600	750	615.0	7000	DEFAULT	0
48000	1998	2270005020	Dsl - Combines	50	100	89.72	4667	DEFAULT	1
48000	1998	2270005020	Dsl - Combines	100	175	148.3	4667	DEFAULT	5
48000	1998	2270005020	Dsl - Combines	175	300	213.0	4667	DEFAULT	6
48000	1998	2270005020	Dsl - Combines	300	600	325.4	7000	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	40	50	50.00	2500	DEFAULT	1
48000	1998	2270005025	Dsl - Balers	50	100	67.39	4667	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	100	175	142.4	4667	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	175	300	177.0	4667	DEFAULT	0
48000	1998	2270005030	Dsl - Agricultural Mowers	50	100	76.00	4667	DEFAULT	0

48000	1998	2270005035	Dsl - Sprayers	16	25	23.64	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	25	40	36.43	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	40	50	48.75	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	50	100	84.88	4667	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	100	175	121.8	4667	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	175	300	241.8	4667	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	300	600	348.8	7000	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	175	300	245.0	4667	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	300	600	424.5	7000	DEFAULT	0
48000	1998	2270005045	Dsl - Swathers	50	100	85.22	4667	DEFAULT	1
48000	1998	2270005045	Dsl - Swathers	100	175	114.4	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	3	6	4.47	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	6	11	9.21	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	11	16	15.37	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	16	25	20.05	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	25	40	33.90	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	40	50	42.57	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	50	100	71.80	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	100	175	131.4	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	175	300	208.3	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	300	600	434.7	7000	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	600	750	743.3	7000	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	11	16	14.46	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	16	25	22.32	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	25	40	27.28	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	40	50	46.56	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	50	100	78.50	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	100	175	146.4	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	175	300	235.2	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	300	600	366.5	7000	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	750	1000	965.0	7000	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	6	11	9.50	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	11	16	14.75	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	16	25	22.40	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	25	40	33.90	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	40	50	46.55	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	50	100	82.34	4667	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	100	175	126.4	4667	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	175	300	208.4	4667	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	300	600	362.4	7000	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	600	750	714.0	7000	DEFAULT	0

/END/

Modification of the Waller County Agricultural Equipment Population

/POPULATION/

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48000      1998 2265005010 4-Str 2-Wheel Tractors          6    11 8.197    400 DEFAULT          6
48000      1998 2265005010 4-Str 2-Wheel Tractors          11   16 14.19    400 DEFAULT          6
48000      1998 2265005015 4-Str Agricultural Tractors       16   25  20.4    750 DEFAULT          0
48000      1998 2265005015 4-Str Agricultural Tractors       25   40  30.5   1500 DEFAULT          0
48000      1998 2265005015 4-Str Agricultural Tractors       50  100 82.13   3000 DEFAULT          2
48000      1998 2265005015 4-Str Agricultural Tractors      100  175 125    3000 DEFAULT          0
48000      1998 2265005020 4-Str Combines                    50  100  87    2312 DEFAULT          0
48000      1998 2265005020 4-Str Combines                    100  175 141.2  2312 DEFAULT          0
48000      1998 2265005025 4-Str Balers                       25   40 34.57   1054 DEFAULT          2
48000      1998 2265005025 4-Str Balers                       50  100 65.28   1054 DEFAULT          1
48000      1998 2265005025 4-Str Balers                       100  175  113   1054 DEFAULT          0
48000      1998 2265005030 4-Str Agricultural Mowers          3     6     6    200 DEFAULT          0
48000      1998 2265005030 4-Str Agricultural Mowers          6    11  9.206    400 DEFAULT          1
48000      1998 2265005030 4-Str Agricultural Mowers         11   16   16    400 DEFAULT          0
48000      1998 2265005030 4-Str Agricultural Mowers         16   25   18    750 DEFAULT          0
48000      1998 2260005035 2-Str Sprayers                     0     1  0.88    150 DEFAULT          0
48000      1998 2260005035 2-Str Sprayers                     1     3  2.567    150 DEFAULT          4
48000      1998 2265005035 4-Str Sprayers                      3     6  4.37    200 DEFAULT          14
48000      1998 2265005035 4-Str Sprayers                      6    11  8.204    400 DEFAULT          5
48000      1998 2265005035 4-Str Sprayers                      11   16 14.85    400 DEFAULT          2
48000      1998 2265005035 4-Str Sprayers                      16   25 20.51    750 DEFAULT          3
48000      1998 2265005035 4-Str Sprayers                      25   40 33.28   1300 DEFAULT          1
48000      1998 2265005035 4-Str Sprayers                      50  100 76.25   1300 DEFAULT          1
48000      1998 2265005035 4-Str Sprayers                    100  175 130.3   1300 DEFAULT          0
48000      1998 2265005040 4-Str Tillers > 6 HP                6    11 7.501 830.7 DEFAULT          121
48000      1998 2265005040 4-Str Tillers > 6 HP                11   16 14.76 830.7 DEFAULT          0
48000      1996 2265005045 4-Str Swathers                    50  100  80   1235 DEFAULT          1
48000      1996 2265005045 4-Str Swathers                    100  175 121.9  1235 DEFAULT          1
48000      1998 2260005050 2-Str Hydro Power Units             1     3  1.709    150 DEFAULT          0
48000      1998 2265005050 4-Str Hydro Power Units             3     6  4.834    200 DEFAULT          1
48000      1998 2265005050 4-Str Hydro Power Units             6    11  9.855    400 DEFAULT          1
48000      1998 2265005050 4-Str Hydro Power Units            11   16 13.1    400 DEFAULT          1
48000      1998 2265005050 4-Str Hydro Power Units            16   25 18.35    750 DEFAULT          1
48000      1998 2265005050 4-Str Hydro Power Units            25   40 33.91   1500 DEFAULT          0
48000      1998 2265005050 4-Str Hydro Power Units            40   50  46   1500 DEFAULT          0
48000      1998 2265005050 4-Str Hydro Power Units            50  100 66.79   3000 DEFAULT          0
48000      1998 2265005050 4-Str Hydro Power Units           100  175  113   3000 DEFAULT          0
48000      1998 2267005050 LPG - Hydro Power Units       25   40 33.91   1500 DEFAULT          0
48000      1998 2267005050 LPG - Hydro Power Units       40   50  46   1500 DEFAULT          0
48000      1998 2267005050 LPG - Hydro Power Units       50  100 66.79   3000 DEFAULT          0

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48000	1998	2267005050	LPG - Hydro Power Units	100	175	154	3000	DEFAULT	0
48000	1998	2268005050	CNG - Hydro Power Units	100	175	148	3000	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	3	6	4.84	200	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	6	11	9.14	400	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	11	16	14.11	400	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	16	25	18.64	750	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	25	40	32.23	1500	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	50	100	65.9	1705	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	100	175	167.4	1705	DEFAULT	0
48000	1998	2265005055	4-Str Other Agricultural Equipment	175	300	230.1	1705	DEFAULT	0
48000	1998	2267005055	LPG - Other Agricultural Equipment	100	175	154	1705	DEFAULT	0
48000	1998	2268005055	CNG - Other Agricultural Equipment	100	175	148	1705	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	3	6	4.692	200	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	6	11	8.918	400	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	16	25	18	750	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	50	100	73.64	3000	DEFAULT	1
48000	1998	2265005060	4-Str Irrigation Sets	100	175	120.5	3000	DEFAULT	0
48000	1998	2265005060	4-Str Irrigation Sets	175	300	210.2	3000	DEFAULT	0
48000	1998	2267005060	LPG - Irrigation Sets	100	175	113	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	25	40	32	1500	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	50	100	86.52	3000	DEFAULT	1
48000	1998	2268005060	CNG - Irrigation Sets	100	175	138.9	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	175	300	233.3	3000	DEFAULT	0
48000	1998	2268005060	CNG - Irrigation Sets	300	600	384.4	3000	DEFAULT	0
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48000	1998	2270005010	Dsl - 2-Wheel Tractors	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005010	Dsl - 2-Wheel Tractors	6	11	8.58	2500	DEFAULT	1
48000	1998	2270005015	Dsl - Agricultural Tractors	11	16	16.00	2500	DEFAULT	0
48000	1998	2270005015	Dsl - Agricultural Tractors	16	25	22.19	2500	DEFAULT	159
48000	1998	2270005015	Dsl - Agricultural Tractors	25	40	31.85	2500	DEFAULT	473
48000	1998	2270005015	Dsl - Agricultural Tractors	40	50	46.83	2500	DEFAULT	169
48000	1998	2270005015	Dsl - Agricultural Tractors	50	100	71.51	4667	DEFAULT	591
48000	1998	2270005015	Dsl - Agricultural Tractors	100	175	130.6	4667	DEFAULT	77
48000	1998	2270005015	Dsl - Agricultural Tractors	175	300	220.0	4667	DEFAULT	70
48000	1998	2270005015	Dsl - Agricultural Tractors	300	600	343.6	7000	DEFAULT	29
48000	1998	2270005015	Dsl - Agricultural Tractors	600	750	615.0	7000	DEFAULT	0
48000	1998	2270005020	Dsl - Combines	50	100	89.72	4667	DEFAULT	2
48000	1998	2270005020	Dsl - Combines	100	175	148.3	4667	DEFAULT	18
48000	1998	2270005020	Dsl - Combines	175	300	213.0	4667	DEFAULT	23
48000	1998	2270005020	Dsl - Combines	300	600	325.4	7000	DEFAULT	1
48000	1998	2270005025	Dsl - Balers	40	50	50.00	2500	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	50	100	67.39	4667	DEFAULT	1
48000	1998	2270005025	Dsl - Balers	100	175	142.4	4667	DEFAULT	0
48000	1998	2270005025	Dsl - Balers	175	300	177.0	4667	DEFAULT	0
48000	1998	2270005030	Dsl - Agricultural Mowers	50	100	76.00	4667	DEFAULT	0

48000	1998	2270005035	Dsl - Sprayers	16	25	23.64	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	25	40	36.43	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	40	50	48.75	2500	DEFAULT	0
48000	1998	2270005035	Dsl - Sprayers	50	100	84.88	4667	DEFAULT	1
48000	1998	2270005035	Dsl - Sprayers	100	175	121.8	4667	DEFAULT	2
48000	1998	2270005035	Dsl - Sprayers	175	300	241.8	4667	DEFAULT	2
48000	1998	2270005035	Dsl - Sprayers	300	600	348.8	7000	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	3	6	6.00	2500	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	175	300	245.0	4667	DEFAULT	0
48000	1998	2270005040	Dsl - Tillers > 6 HP	300	600	424.5	7000	DEFAULT	0
48000	1998	2270005045	Dsl - Swathers	50	100	85.22	4667	DEFAULT	7
48000	1998	2270005045	Dsl - Swathers	100	175	114.4	4667	DEFAULT	1
48000	1998	2270005050	Dsl - Hydro Power Units	3	6	4.47	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	6	11	9.21	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	11	16	15.37	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	16	25	20.05	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	25	40	33.90	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	40	50	42.57	2500	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	50	100	71.80	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	100	175	131.4	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	175	300	208.3	4667	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	300	600	434.7	7000	DEFAULT	0
48000	1998	2270005050	Dsl - Hydro Power Units	600	750	743.3	7000	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	11	16	14.46	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	16	25	22.32	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	25	40	27.28	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	40	50	46.56	2500	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	50	100	78.50	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	100	175	146.4	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	175	300	235.2	4667	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	300	600	366.5	7000	DEFAULT	0
48000	1998	2270005055	Dsl - Other Agricultural Equipment	750	1000	965.0	7000	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	6	11	9.50	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	11	16	14.75	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	16	25	22.40	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	25	40	33.90	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	40	50	46.55	2500	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	50	100	82.34	4667	DEFAULT	3
48000	1998	2270005060	Dsl - Irrigation Sets	100	175	126.4	4667	DEFAULT	1
48000	1998	2270005060	Dsl - Irrigation Sets	175	300	208.4	4667	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	300	600	362.4	7000	DEFAULT	0
48000	1998	2270005060	Dsl - Irrigation Sets	600	750	714.0	7000	DEFAULT	0

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