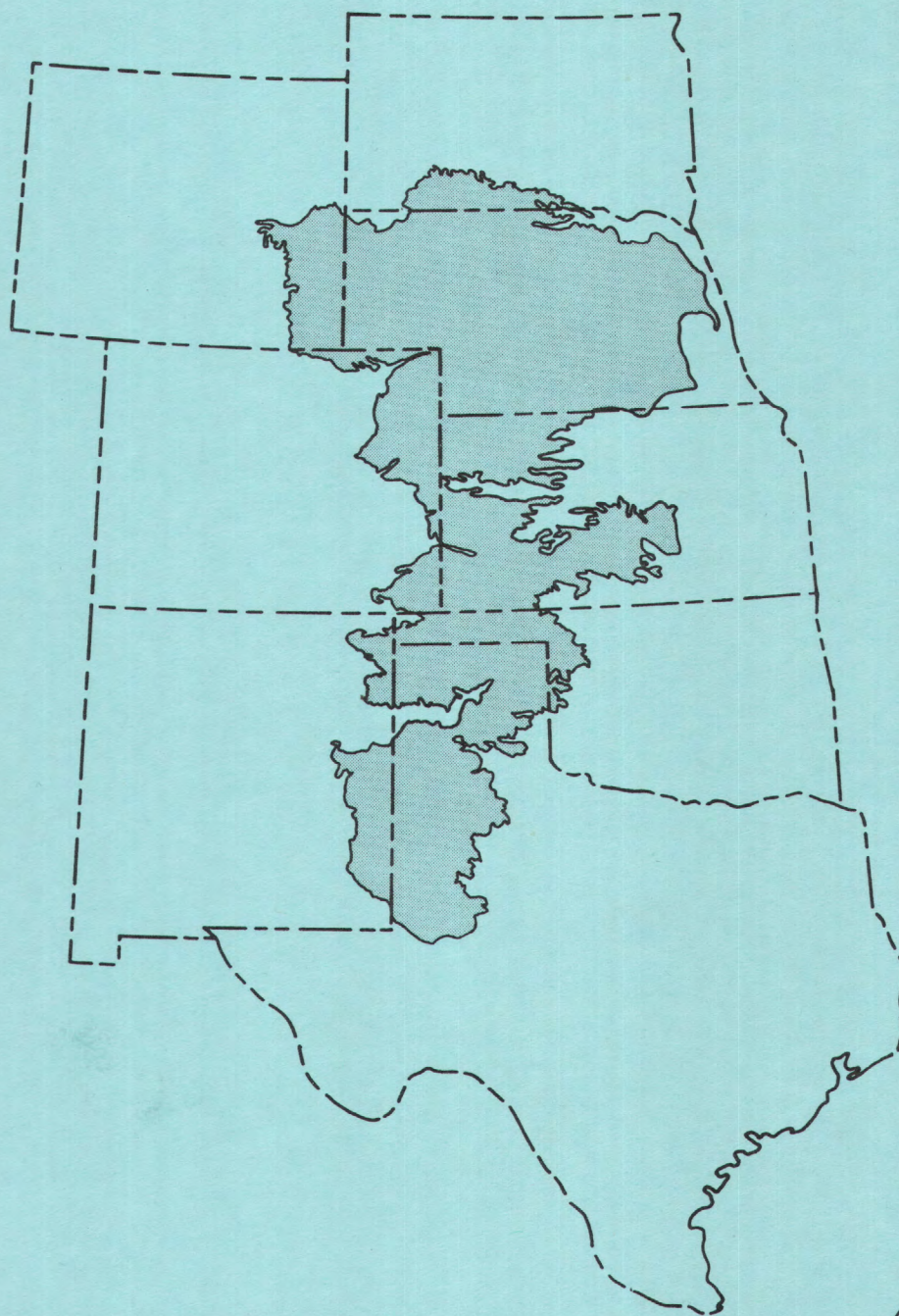
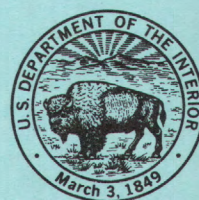


METHOD FOR ESTIMATING HISTORICAL IRRIGATION REQUIREMENTS FROM GROUND WATER IN THE HIGH PLAINS IN PARTS OF COLORADO, KANSAS NEBRASKA, NEW MEXICO, OKLAHOMA, SOUTH DAKOTA, TEXAS, AND WYOMING



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Denver, Colorado

1982

UNITED STATES DEPARTMENT OF THE INTERIOR

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GEOLOGICAL SURVEY

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<u>Multiply inch-pound units</u>	<u>By</u>	<u>To obtain metric unit</u>
acre	.4047	square hectometer
acre-foot	1,233.	cubic meter
inch	25.40	millimeter
mile	1.609	kilometer
square mile	2.590	square kilometer

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ABSTRACT

Historical information on ground-water pumpage for irrigation is required for use with a computer model of the High Plains aquifer. Available historical data on ground-water pumpage in the High Plains were inadequate for use with the computer model. Consequently, a method was developed to estimate historical pumpage data.

Two principal components were used to develop estimates of ground-water pumpage: (1) Acreage irrigated; and (2) irrigation demand. The Blaney-Criddle formula was used to calculate consumptive-use requirements for irrigated crops grown on the High Plains. The irrigation demand for each crop was estimated by subtracting precipitation available to the crop from the consumptive-use requirement of the crop. Irrigation demands were combined with irrigated acreages to estimate the volume of irrigation water required for areas in the High Plains. Estimates of irrigation water requirements were compiled for 1949, 1954, 1959, 1964, 1969, 1974, and 1978. Irrigation pumpage for use with the computer model can be estimated from the irrigation water requirements by applying a factor to account for irrigation system efficiency.

INTRODUCTION

The U.S. Geological Survey began a 5-year study of the High Plains regional aquifer during 1978. The primary objective of the High Plains Regional Aquifer System Analysis (HPRASA) is to develop models to evaluate the aquifer's response to proposed irrigation-management strategies (Weeks, 1978). Historical information on the amount of ground-water pumped for irrigation is required for development of the computer model of the High Plains aquifer. This report describes the procedures used to estimate historical irrigation requirements, which then can be used to estimate ground-water pumpage in the High Plains region.

Physiography and Climate

The High Plains aquifer underlies an area of approximately 174,000 square miles, including parts of Colorado, Kansas, Nebraska, New Mexico, Oklahoma, South Dakota, Texas, and Wyoming (fig. 1). This aquifer, which is composed mostly of saturated gravel, sand, silt, and clay, is the only source of water for much of the area. The region is extensively cultivated and depends almost entirely on water from the aquifer to support large areas of irrigated cropland. Flat to gently rolling terrain characterizes the High Plains region, which is a remnant of a vast plain that was formed by sediments deposited by streams flowing eastward from the Rocky Mountains. Subsequently, erosion isolated the plains from the mountains and formed escarpments that typically mark the boundary of the High Plains. Wind-blown sand and silt, derived from the beds of rivers that eroded the plains, were deposited over large areas of the High Plains. The largest expanse of wind-blown sand deposits and dune topography in the Western Hemisphere (about 20,000 square miles) is in central Nebraska north of the Platte River (Madson, 1978). This dune area contains numerous small lakes and marshes. Smaller areas of sand dunes occur in other parts of the High Plains. Many lakes also occur in the southern part of the High Plains. These intermittent lakes are shallow depressions or playas that collect and store water during periods of runoff; some of the deeper playas hold water throughout the year.

The High Plains has, for the most part, a typical middle-latitude dry continental climate that is characteristic of regions lying in the interiors of continents. The climate is one of abundant sunshine, moderate precipitation, low humidity, and a high rate of evaporation. Mean annual precipitation over the High Plains ranges from 14 inches in southeastern Wyoming and eastern New Mexico to about 28 inches in eastern Nebraska and central Kansas (fig. 2). Mean annual precipitation increases eastward across the High Plains by about 1 inch every 25 miles. Typically, about 75 percent of the precipitation falls during the growing season from April through September, a condition favorable to agriculture. However, much of the rain results from local thunderstorms, and large variations in precipitation can occur from place to place and year to year.

The climate of the High Plains exhibits large daily and seasonal extremes of temperature. The daily range of temperature in the High Plains may vary from 30° to 60°F, with seasonal extremes that vary more than 130°F between winter lows and summer highs. Wind is variable year round, as a consequence of cyclonic storms. Persistent winds and high summer temperatures cause high evaporation rates in the High Plains. Mean annual Class A pan evaporation ranges from less than 60 inches in northern Nebraska to more than 105 inches in western Texas (fig. 2). Because of large evaporative demand, little precipitation is available to recharge the ground-water system, except in sand-dune areas and adjacent to ephemeral stream channels where water readily can percolate down to the water table. Recharge to the ground-water system may be 2 to 5 inches per year in sand-dune areas; but, over the remainder of the High Plains, which consists of finer grained soils, recharge averages a small fraction of an inch per year (Theis, 1937).

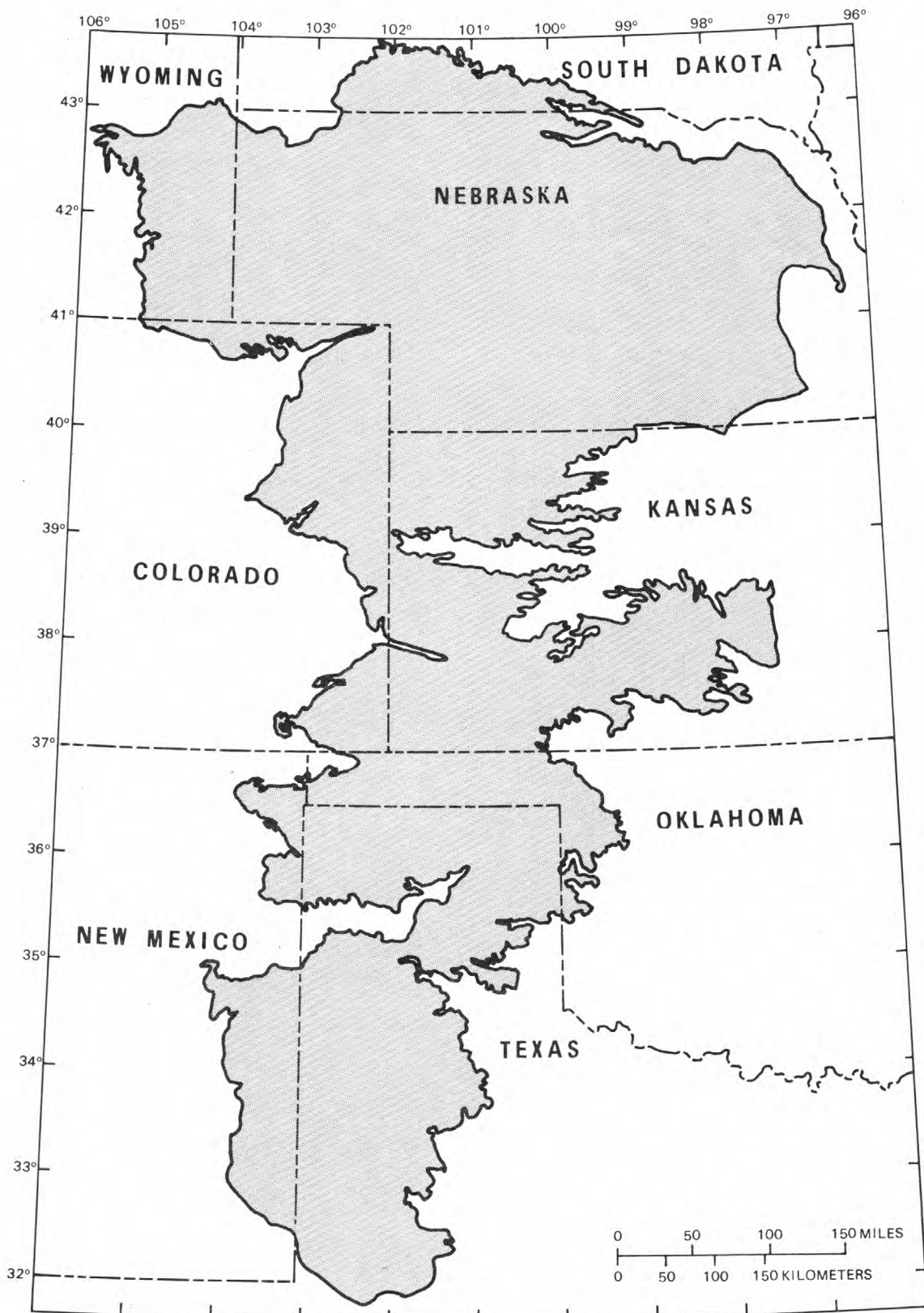


Figure 1.--Location of High Plains aquifer.

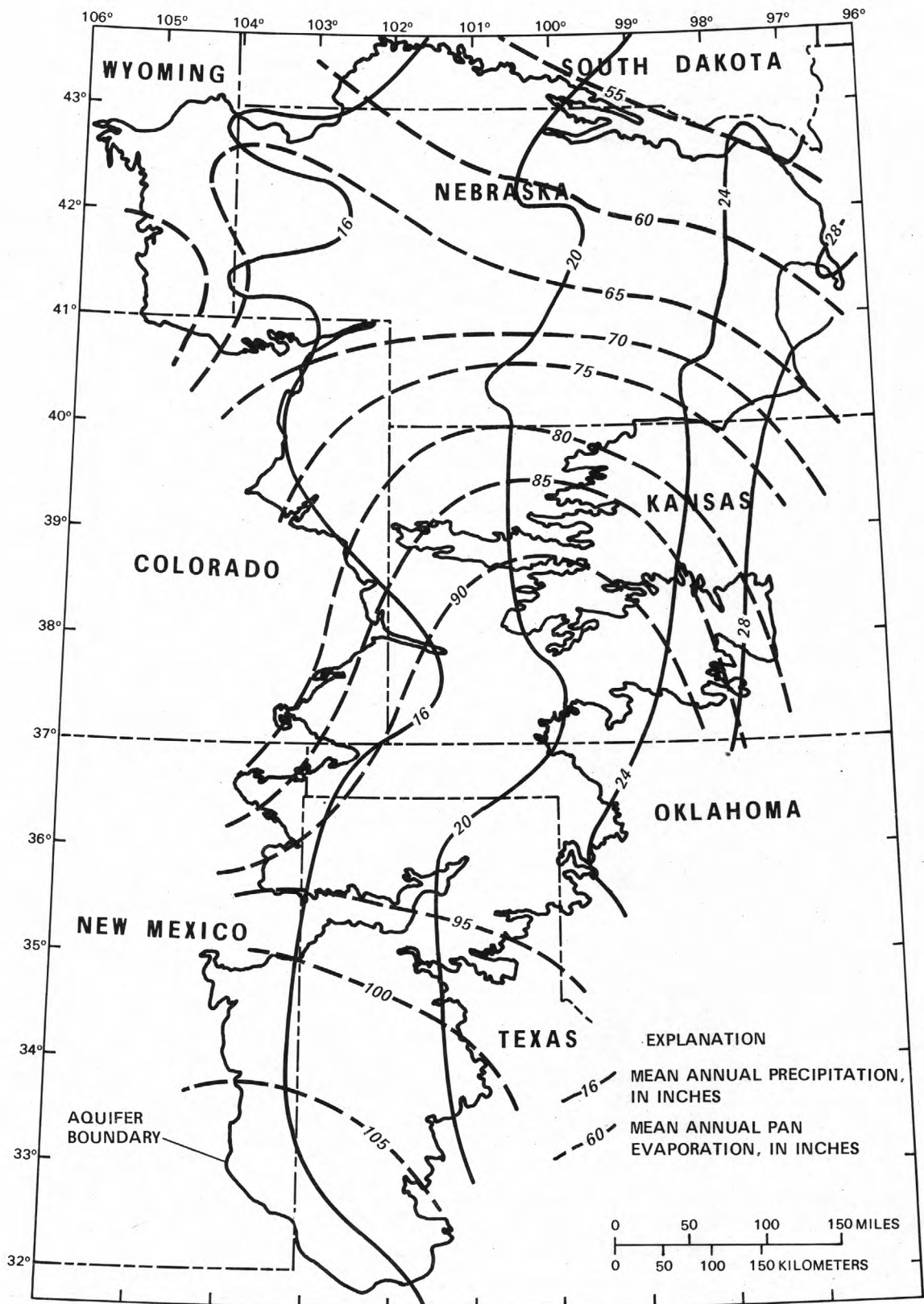


Figure 2.--Normal annual precipitation and Class A pan evaporation in the High Plains (modified from U.S. Department of Commerce, 1977).

The soils of the High Plains region are ideally suited to agriculture. However, low precipitation and high evaporation in the region are limiting factors on dryland agricultural production.

Agricultural Development

Dryland farming and cattle grazing began on the High Plains during the late 1800's and flourished until the drought of the 1930's. The "dust bowl" years of the 1930's, coupled with technological advancements in well drilling and pumping plants and the availability of cheap energy, spurred development and growth of irrigated agriculture in the region. Development of irrigation resulted in large increases in crop yields and removed many of the risks associated with dryland farming.

Development of irrigation during the 1940's and 1950's was greatest in the southern High Plains, principally in Texas. Initial development was greatest in this area because of the availability of large quantities of inexpensive natural gas, shallow depths to water, and financial backing. During the years since the 1950's, irrigation development has spread over most of the High Plains. The advent of the center-pivot irrigation system opened up vast areas of land that were not suitable for irrigation by other methods. The rapid growth of irrigation in the High Plains is illustrated in figure 3.

Irrigation development has transformed the High Plains into one of the major agricultural areas in the United States. During 1977, about 35 percent of the area overlying the High Plains aquifer was cropland, and about half of that area was irrigated. Irrigated cropland on the High Plains currently represents more than 20 percent of the total irrigated land in the United States. Receipts for crops and related livestock production in the High Plains during 1977 were about 15 billion dollars.

About 40 percent of the ground water used in the United States is pumped from the High Plains aquifer. Irrigation pumpage has caused areally extensive water-level declines in the aquifer (fig. 4). These declines result in decreased well yields and increased pumping costs. These factors, combined with large increases in all costs associated with irrigation, especially energy, have caused a great deal of concern about the viability of future irrigation on the High Plains. Reliable information on the amount and areal distribution of water used for irrigation is essential in the development of effective management strategies for the area.

PURPOSE AND SCOPE

A computer model of the High Plains aquifer is being developed as a tool to evaluate irrigation-management strategies suggested for the region. The computer model requires a consistent set of data on ground-water pumpage for the entire High Plains area from predevelopment to 1980. Most of the

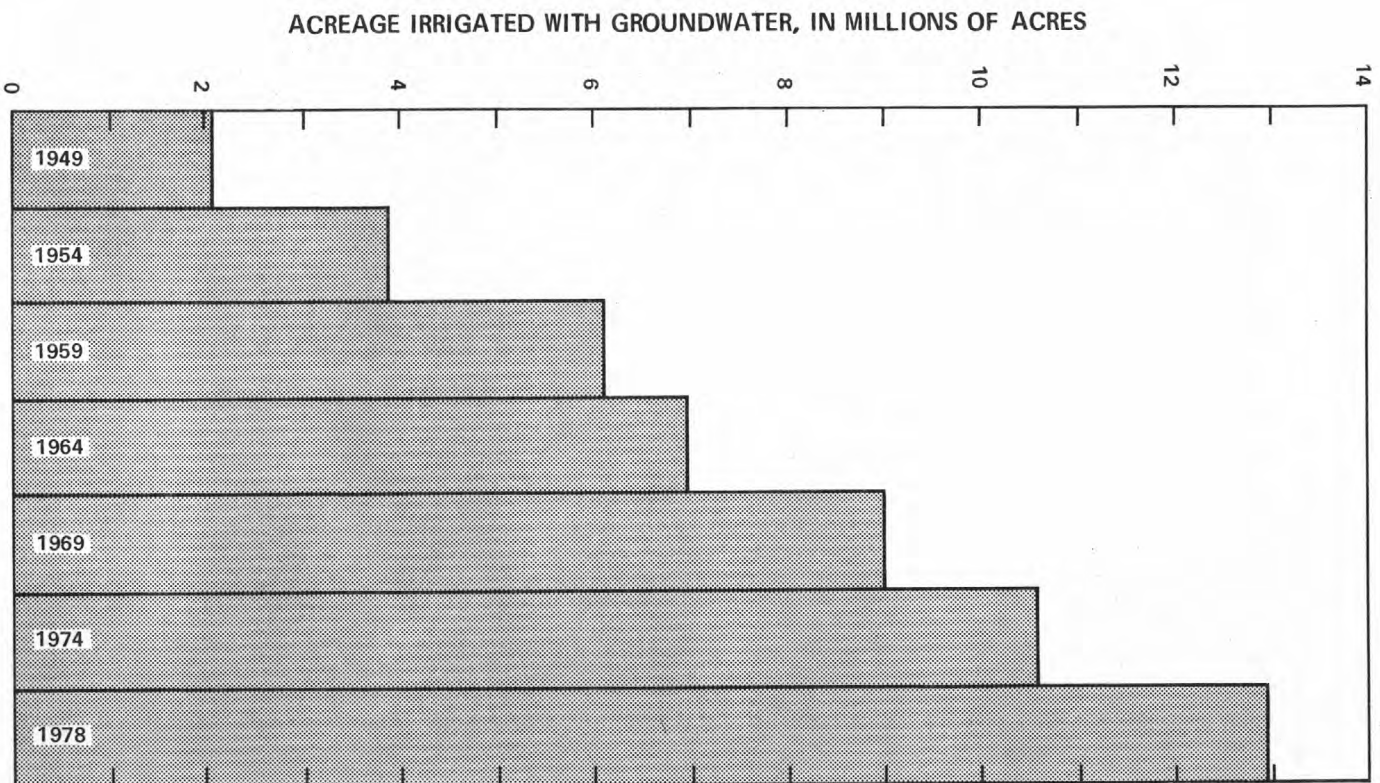


Figure 3.--Growth of irrigation on the High Plains from 1949 to 1978.

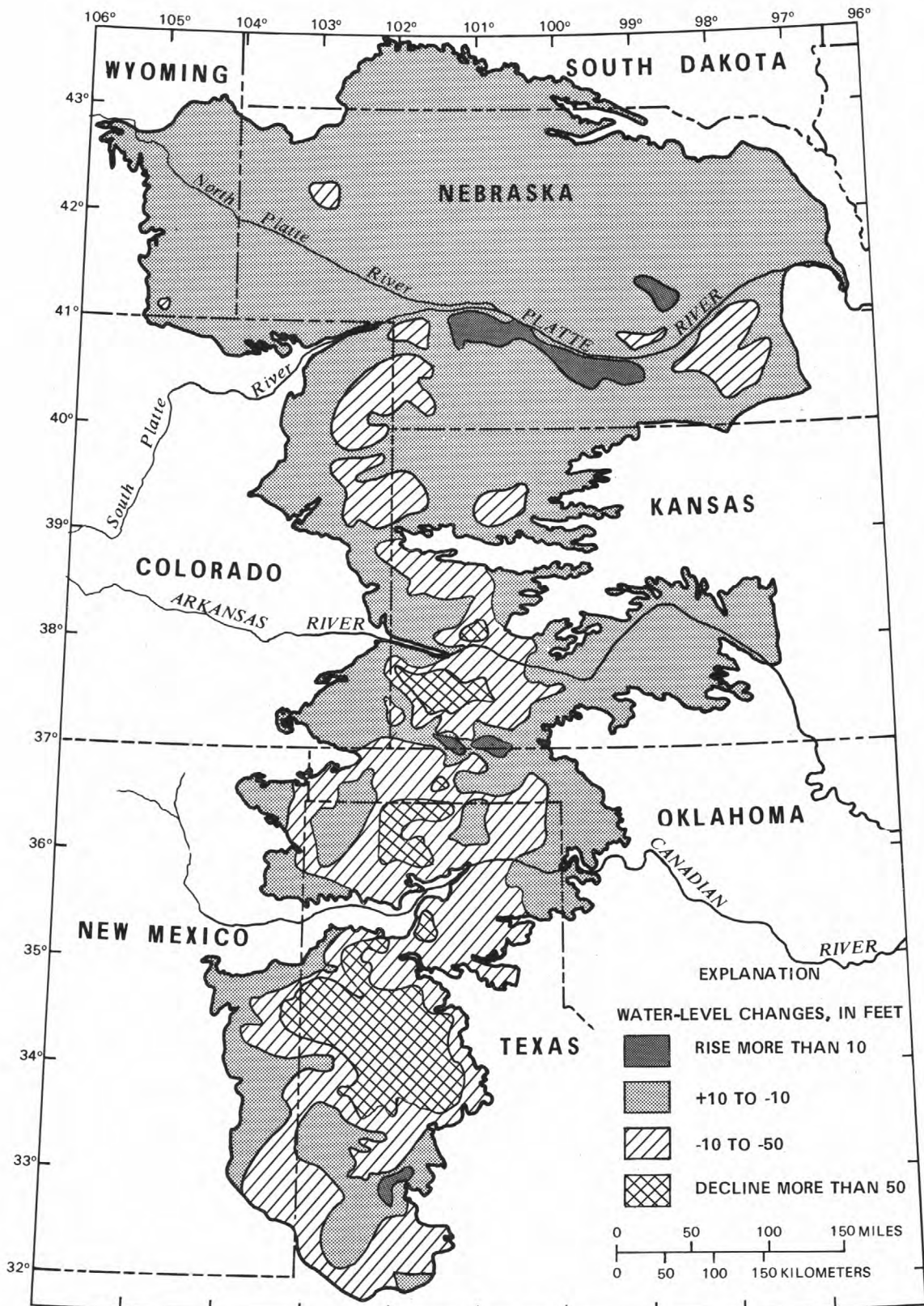


Figure 4.--Predevelopment to 1980 water-level changes in the High Plains aquifer (modified from Luckey, Gutentag, and Weeks, 1981).

available historical data on ground-water pumpage in the High Plains were derived from short-term local studies. These existing historical pumpage data were inadequate for use with the model. An alternative method for estimating this information was developed. This report describes the method of computing estimates of irrigation requirements for the High Plains area from predevelopment to 1980. Ground-water irrigation requirement, as defined in this report, represents the volume of irrigation water required for all of the irrigated crops grown in a given area, based on average climatic conditions. Estimates of ground-water pumpage can be calculated from ground-water irrigation requirements by applying a factor for efficiency of the irrigation system.

Two primary components were used to develop estimates of irrigation requirements: (1) Acreage irrigated; and (2) irrigation demand. Irrigation demand is the depth of irrigation water required by an individual crop growing in a given area under average climatic conditions.

CALCULATION OF IRRIGATION REQUIREMENTS

This section discusses the procedures used to calculate ground-water irrigated acreage, irrigation demand, total irrigation requirements, and pumpage for 10-minute cells located in the High Plains area. Ground-water irrigated acreage, irrigation demand and total irrigation requirements are summarized in this section.

Historical irrigated-acreage information was compiled by crop from the Census of Agriculture (U.S. Department of Commerce, 1949-78) for the following years: 1949, 1954, 1959, 1964, 1969, 1974, and 1978. These data are published by county and were compiled for all of the counties in the High Plains area.

Irrigation demand for each of the principal irrigated crops on the High Plains was estimated using the Blaney-Criddle method, with some modifications, as outlined in Technical Release no. 21 (U.S. Department of Agriculture, 1967). Irrigation demand was calculated for the center points of cells, with dimensions of 1-degree latitude by 1-degree longitude (1-degree cells). Irrigation demands, for each of the principal irrigated crops, were calculated for all 1-degree cells located in the High Plains. Irrigation demands for principal irrigated crops in each county were estimated by interpolation from demand data in the 1-degree cells. The irrigation demand for each of the principal irrigated crops grown in a given county was combined with the proportions of those crops growing in the county to provide a composite irrigation demand for the county. The composite irrigation demand is essentially a weighted average of individual irrigation demands for each of the irrigated crops grown in the county. A detailed discussion and an example of the calculations used to compute composite irrigation demands is presented in the section entitled "Irrigation Demand."

The composite irrigation demand and the irrigated acreage for each county subsequently were subdivided into cells with dimensions of 10-minutes latitude by 10-minutes longitude (10-minute cells) for storage in the computer. A

total irrigation-water requirement for each 10-minute cell is computed by multiplying irrigation demand by acreage in that cell. Pumpage for input to the computer model of the High Plains aquifer is estimated by dividing the total irrigation-water requirement by the efficiency of the irrigation system.

Irrigated Acreage

Total irrigated acreage was compiled from the Census of Agriculture for each county in the High Plains, for 1949, 1954, 1959, 1964, 1969, 1974, and 1978. Total irrigated acreage then was adjusted to reflect only ground-water irrigated acreage by subtracting acreage irrigated by surface water. Surface-water irrigated acreage was compiled from the Census of Agriculture and from data provided by State water-resources agencies. Nebraska and Wyoming contain the largest areas of surface-water irrigation; the other States in the High Plains have only small areas of surface-water irrigation. A summary of ground-water irrigated acreage by State for 1949, 1954, 1959, 1964, 1969, 1974, and 1978 is presented in table 1. Ground-water irrigated acreage by county was subdivided into 10-minute cells for each of the seven years for which acreage data were compiled. A variety of data sources were used: historical well-location maps, irrigated-acreage maps, water-level change maps, and recent satellite images. A summary of ground-water irrigated acreage compilations for each of the seven years by 10-minute cell is presented in the supplemental section of this report (table 4).

Irrigation Demand

Crop consumptive use was computed by using a modification of the Blaney-Criddle formula discussed in Technical Release no. 21. The Blaney-Criddle formula was chosen because it was adaptable to agricultural crops grown in semi-arid areas, and the data required for use with the formula were readily available. The formula is:

$$U = \sum_{1}^n (KF), \text{ where}$$

$$K = (.0173t - .314) (kc)$$

$$F = \frac{tp}{100}$$

- U = seasonal consumptive use of the crop in inches;
K = empirical consumptive-use crop coefficient for a given crop and month;
F = monthly consumptive-use factor;
t = mean monthly air temperature in degrees Fahrenheit;
p = monthly percentage of daylight hours;
kc = a coefficient reflecting the growth stage of the crop; and
n = number of months in growing season of a particular crop.

Table 1.--*Summary of historical acreage irrigated with ground water, by State, for the High Plains*

State	Irrigated acreage by year						
	1949	1954	1959	1964	1969	1974	1978
Colorado	16,100	25,000	54,900	128,400	295,800	458,500	709,600
Kansas	80,300	245,300	603,400	808,700	1,273,800	1,708,700	2,272,200
Nebraska	313,300	575,300	1,419,400	1,528,800	2,176,000	3,158,800	4,614,100
New Mexico	94,500	173,100	250,100	299,400	367,800	401,100	382,300
Oklahoma	4,300	14,300	52,900	104,700	277,200	271,800	325,900
South Dakota	200	1,600	700	100	2,500	4,400	11,100
Texas	1,547,900	2,909,400	3,886,600	4,094,300	4,507,200	4,484,500	4,541,500
Wyoming	13,900	5,300	19,200	22,700	39,200	51,100	76,500
Total (rounded)	2,071,000	3,949,000	6,287,000	6,987,000	8,940,000	10,539,000	12,933,000

Irrigation demand is calculated by using the following formula:

$$I = U - ep,$$

where

I = seasonal irrigation demand in inches for a particular crop;
U = seasonal consumptive use of the crop in inches; and
ep = seasonal effective precipitation in inches (amount of total seasonal precipitation that is available for use by the crop).

Long-term averages of mean-monthly precipitation and temperature were used in computing consumptive use and irrigation demand for the period from 1949 through 1978. An evaluation of the effects on consumptive use and irrigation demand of using long-term climatic averages versus using actual yearly values indicates that irrigation demands calculated for this study using long-term average climatic data may slightly underestimate the average of actual irrigation demands calculated using yearly data. Precipitation and temperature data were compiled from the Climatic Atlas of the United States (U.S. Department of Commerce, 1977). The monthly percentages of daylight hours were obtained from table 1 published in Technical Release no. 21, page 9. This percentage varies with the month of the year and the degrees of latitude north of the equator.

Coefficients for various growth stages of each of the principal irrigated crops grown on the High Plains were determined from graphs presented in Technical Release no. 21, pages 66-88. Each graph represents the seasonal water-use characteristics for a particular crop. Information on planting dates and length of growing season is required to adapt the graphs of crop coefficients to various areas in the High Plains. This information was obtained from Federal, State, and local agencies and individual irrigators.

The seasonal consumptive use for each of the principal irrigated crops was calculated for the center point of all 1-degree cells located in the High Plains, using the crop and climate data discussed previously. Seasonal consumptive use was converted to irrigation demand by subtracting the amount of moisture supplied by natural precipitation during the growing season (effective precipitation).

Seasonal effective precipitation was calculated using the formula presented in Technical Release no. 21, page 27. Effective precipitation is a function of total precipitation and the consumptive-use requirement of the crop. The percentage of total precipitation that becomes effective precipitation increases with higher consumptive-use requirements. Growing-season effective-precipitation values ranged from a low of about 4 inches to a high of about 19 inches. High effective-precipitation values occur for crops with a high consumptive-use requirement having a long growing season in areas of high total precipitation. Lower effective-precipitation values occur for crops with a low consumption-use requirement with a short growing season in areas of low total precipitation.

Effective precipitation also includes that part of the non-growing-season precipitation that is stored as soil moisture, which subsequently is available

for use by a crop during the growing season. The proportion of non-growing-season effective precipitation that is available to the plant as soil moisture is a function of the soil type and the rooting depth of the particular crop. The potential amount of soil moisture available to crops during the growing season ranged from a low of 2 inches for shallow-rooted plants grown in coarse soils, to a high of 4.5 inches for deep-rooted plants grown in fine soils.

Irrigation demands by 1-degree cell for the principal irrigated crops grown on the High Plains are presented in the supplemental section of this report (table 3). Irrigation demands by 1-degree cell were contoured and used to interpolate crop-demand values for each of the counties in the High Plains.

Irrigation demands for each of the principal irrigated crops in each of the counties in the High Plains then were aggregated to provide a composite county-wide irrigation demand. Each crop-irrigation demand was multiplied by the percentage of that crop present in the county, and the products were summed to obtain an average irrigation demand for the county based on the distribution of crop types. For example, if a given county's irrigated acreage was distributed as 70 percent corn, 20 percent sorghum, and 10 percent hay; and if the irrigation demands for each of the crops were: corn = 15.0 inches, sorghum = 11.0 inches, and hay = 19.0 inches, then the composite county irrigation demand would be $(0.70 \times 15.0) + (0.20 \times 11.0) + (0.10 \times 19.0) = 14.6$ inches.

The distribution of irrigated crop types by counties was compiled from the Census of Agriculture for 1949, 1954, 1959, 1964, 1969, and 1974; composite irrigation demands for each of the counties in the High Plains were calculated. Irrigation demands were not calculated for 1978 because the preliminary data available did not contain information on proportions of crop types.

County irrigation-demand figures were subdivided into 10-minute cells. All cells located within the county boundary were assigned the irrigation-demand figure for the county. Cells that overlapped county boundaries were assigned an interpolated irrigation-demand figure, based on demand values for the counties involved. A summary of average irrigation demands for each of the six years by 10-minute cell is presented in the supplemental section of this report (table 4). Irrigation demands for each crop were calculated using long-term average climatic data and then adjusted to provide an average demand based on the distribution of crops present in each of the six years.

Total Irrigation Requirements

Irrigated acreage and average irrigation demand for 1949, 1954, 1959, 1964, 1969, 1974, and 1978 were stored in the computer. Because of the lack of available data for 1978, irrigation demands based on 1974 crop distributions were used for both 1974 and 1978. The total irrigation requirement for any 10-minute cell for any year can be calculated by multiplying the irrigated acreage in that cell by the irrigation demand for the cell. Irrigation

requirements for 10-minute cells can be aggregated to provide total irrigation requirements for larger areas such as States, or for the entire High Plains for any of the years used in data compilation. Aggregations of total irrigation requirements by State for 1949, 1954, 1959, 1964, 1969, 1974, and 1978 are presented in table 2.

Irrigation requirements for 10-minute cells can be used to estimate ground-water pumpage data for input to the computer model of the High Plains. The irrigation requirement divided by an irrigation efficiency factor provides an estimate of the volume of ground-water pumpage for a given area. As used in this study, irrigation efficiency is defined as the percentage of the total pumped water that is stored in the soil and subsequently is available for consumptive use by the crop. For example, an efficiency of 65 percent means that 65 percent of the total volume of water pumped actually is stored in the soil and available for consumptive use by the crop. The remainder of the volume of water pumped, 35 percent in this example, generally is lost through irrigation-system leaks, wind drift, runoff, evaporation, or deep percolation below the root zone of the crop. Water lost to deep percolation eventually may return to the aquifer. Irrigation efficiencies in the High Plains exhibit a wide range of values from about 30 percent to more than 90 percent. These efficiencies are dependent on many factors such as climate, soils, topography, irrigation-system type and condition, and irrigation scheduling by the operator. This report has concentrated on the calculation of irrigation requirements for all areas of the High Plains for 1949-1978. Calculations of ground-water pumpage from irrigation requirements developed in this study, and discussions of efficiencies applied to various areas of the High Plains, will be presented in a future report.

CONCLUSIONS

Various agencies collect and disseminate agricultural information about the High Plains. However, only the Census of Agriculture consistently provided a breakdown of irrigated acreage by crop type for the historical period from predevelopment through 1978. Additionally, the Census of Agriculture collects the same categories of data and uses the same collection procedures for all States in a given year. Most other agricultural information lacks this consistency, making it very difficult to adapt the data from these sources to calculate irrigation requirements on the High Plains.

The Blaney-Criddle approach was selected to estimate irrigation demand on the High Plains because: (1) This formula was developed to fit agricultural crops grown in semi-arid areas; (2) climatic data for the formula are commonly available for all areas of the High Plains; and (3) considerable data are available on crop growth-stage coefficients used in the formula. Every attempt was made to provide accurate and representative data for use in the Blaney-Criddle calculations; however, because many variables are used in the determination of irrigation demand, error can occur in estimating or calculating any of these variables. However, given the lack of suitable reported or measured data and the constraints of time and money available for this study, the methods outlined in this report were considered to be the most suitable and reliable for determining historical ground-water irrigation requirements for the High Plains.

Table 2.--*Total irrigation requirement, by State, for the High Plains*

State	Irrigation requirement, in acre-feet						
	1949	1954	1959	1964	1969	1974	1978
Colorado	21,800	35,500	69,100	159,300	367,800	557,600	864,400
Kansas	120,200	360,000	739,300	969,100	1,529,500	2,144,600	2,836,900
Nebraska	372,100	706,100	1,629,000	1,709,700	2,449,400	3,625,600	5,238,500
New Mexico	114,200	224,900	286,900	347,100	451,400	506,500	480,900
Oklahoma	8,800	26,200	67,300	113,200	318,200	325,500	390,800
South Dakota	300	2,000	1,000	200	3,100	5,800	14,700
Texas	1,696,300	3,219,900	4,130,300	4,348,900	4,944,700	4,927,700	5,048,200
Wyoming	16,500	6,700	23,400	28,400	48,400	61,500	92,000
Total (rounded)	2,350,000	4,581,000	6,946,000	7,676,000	10,113,000	12,155,000	14,986,000

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SUPPLEMENTAL INFORMATION

Table 3.--*Irrigation demand by crop and location in the High Plains*

[Latitude and longitude coordinates represent the
center point of each 1-degree cell]

Latitude- Longitude	Irrigation demand (inches)							
	Corn	Cotton	Dry beans	Grain	Hay	Sor- ghum	Soy- beans	Sugar beets
31°30'-101°30'	23.5	16.1	19.2	15.3	43.7	18.1	15.2	30.8
31°30'-102°30'	24.0	16.8	19.5	16.8	45.3	18.4	15.4	32.0
32°30'-101°30'	21.7	14.3	18.2	12.2	39.0	16.6	13.7	28.3
32°30'-102°30'	21.0	14.0	17.5	12.6	38.5	16.0	13.3	28.1
32°30'-103°30'	21.5	14.7	17.8	13.0	38.1	16.1	13.5	28.9
33°30'-100°30'	20.6	13.1	17.9	9.6	35.8	15.9	12.9	26.7
33°30'-101°30'	19.3	12.3	16.6	9.5	34.3	14.8	12.1	25.4
33°30'-102°30'	18.6	11.8	16.0	10.0	33.5	14.1	11.6	25.1
33°30'-103°30'	18.2	11.8	15.4	10.9	32.7	13.5	11.1	24.9
34°30'-100°30'	19.8	12.4	17.3	8.7	33.5	15.3	12.3	25.5
34°30'-101°30'	18.8	11.9	16.4	8.8	32.1	14.5	11.8	24.6
34°30'-102°30'	17.9	11.0	15.6	9.1	31.4	13.5	10.9	24.0
34°30'-103°30'	17.6	11.2	15.1	10.1	31.3	13.0	10.7	24.2
34°30'-104°30'	16.7	10.5	13.7	9.8	29.1	12.0	9.9	22.9
35°30'- 99°30'	20.1	12.8	17.8	7.6	31.9	16.0	12.8	25.6
35°30'-100°30'	19.2	12.3	17.0	7.8	31.4	15.2	12.2	24.9
35°30'-101°30'	18.4	11.6	16.0	8.7	30.6	14.3	11.6	24.3

Table 3.--*Irrigation demand by crop and location in the High Plains--Continued*

Latitude- Longitude	Irrigation demand (inches)							
	Corn	Cotton	Dry beans	Grain	Hay	Sor- ghum	Soy- beans	Sugar beets
35°30'-102°30'	17.0	10.6	14.7	9.1	29.1	13.0	10.6	23.1
35°30'-103°30'	16.7	10.6	14.3	9.9	29.1	12.7	10.4	23.2
36°30'- 99°30'	18.7	11.7	18.5	7.8	29.7	14.6	11.3	24.1
36°30'-100°30'	18.7	11.6	18.3	8.0	29.8	14.5	11.3	24.0
36°30'-101°30'	17.9	11.1	15.5	8.5	28.8	13.9	10.8	23.5
36°30'-102°30'	16.8	10.6	14.5	8.7	27.3	13.0	10.4	22.7
36°30'-103°30'	14.1	8.5	12.5	7.5	22.8	10.7	8.7	19.7
37°30'- 97°30'	16.0	-	14.4	6.1	24.8	12.0	8.7	20.8
37°30'- 98°30'	16.9	-	15.1	6.8	26.4	13.0	9.3	21.9
37°30'- 99°30'	17.6	-	15.7	7.9	27.8	13.6	9.9	22.8
37°30'-100°30'	17.6	-	15.5	8.2	28.3	13.7	10.1	23.0
37°30'-101°30'	17.5	-	15.3	8.8	27.9	13.7	10.3	23.3
37°30'-102°30'	17.7	-	15.1	8.9	26.6	13.9	11.0	23.5
37°30'-103°30'	15.9	-	13.9	8.4	24.0	12.4	9.8	21.6
38°30'- 97°30'	14.5	-	13.4	6.0	22.6	10.8	7.6	19.2
38°30'- 98°30'	15.5	-	14.1	6.5	24.2	11.9	8.4	20.3
38°30'- 99°30'	16.5	-	15.0	7.5	25.7	12.8	8.9	21.6
38°30'-100°30'	16.7	-	14.8	8.2	25.7	13.0	9.2	21.9
38°30'-101°30'	16.4	-	14.5	8.8	25.5	12.9	9.0	22.1
38°31'-102°30'	15.8	-	14.0	8.7	24.2	12.5	9.1	21.6

Table 3.--Irrigation demand by crop and location in the High Plains--Continued

Latitude- Longitude	Irrigation demand (inches)							
	Corn	Cotton	Dry beans	Grain	Hay	Sor- ghum	Soy- beans	Sugar beets
39°30'- 99°30'	15.0	-	13.8	6.7	23.7	11.8	8.4	20.0
39°30'-100°30'	14.9	-	13.6	7.8	23.7	11.7	8.3	20.0
39°30'-101°30'	14.6	-	13.2	7.8	22.7	11.5	8.4	19.8
39°30'-102°30'	14.4	-	12.9	7.8	21.8	11.3	8.4	19.6
39°30'-103°30'	13.1	-	11.7	7.4	19.6	10.2	7.9	18.0
40°30'- 96°30'	11.2	-	11.1	6.3	18.1	8.4	6.0	15.7
40°30'- 97°30'	12.8	-	12.1	6.8	19.9	9.5	7.1	17.3
40°30'- 98°30'	13.6	-	12.8	6.9	20.8	10.4	7.9	18.1
40°30'- 99°30'	14.2	-	13.3	7.4	21.6	11.0	8.3	18.9
40°30'-100°30'	14.0	-	13.0	7.9	21.8	11.1	8.4	18.9
40°30'-101°30'	14.0	-	13.0	8.0	21.6	11.0	8.4	18.8
40°30'-102°30'	14.1	-	12.8	8.4	21.2	11.1	8.6	18.9
40°30'-103°30'	13.8	-	12.4	8.3	20.8	10.9	8.7	18.8
40°30'-104°30'	13.4	-	12.2	7.7	19.9	10.9	8.9	18.1
40°30'-105°30'	8.9	-	8.7	3.7	10.1	7.3	6.3	12.4
41°30'- 96°30'	11.5	-	11.1	5.8	17.8	8.6	6.5	15.8
41°30'- 97°30'	12.7	-	12.1	6.5	19.6	9.6	7.5	17.1
41°30'- 98°30'	13.2	-	12.5	6.6	19.9	10.2	7.9	17.6
41°30'- 99°30'	13.5	-	12.6	7.0	20.1	10.5	8.2	18.1
41°30'-100°30'	13.4	-	12.6	7.0	20.0	10.6	8.3	18.0

Table 3.--*Irrigation demand by crop and location in the High Plains--Continued*

Latitude- Longitude	Irrigation demand (inches)							
	Corn	Cotton	Dry beans	Grain	Hay	Sor- ghum	Soy- beans	Sugar beets
41°30'-101°30'	13.5	-	12.7	7.3	20.0	10.8	8.7	18.1
41°30'-102°30'	13.3	-	12.3	7.3	19.8	10.6	8.5	17.9
41°30'-103°30'	12.9	-	11.7	7.2	18.6	10.1	8.2	17.7
41°30'-104°30'	12.1	-	11.0	7.4	16.5	9.6	7.9	16.6
41°30'-105°30'	8.6	-	8.4	4.1	9.2	6.9	5.9	11.9
42°30'- 96°30'	11.4	-	11.2	6.2	17.4	8.7	7.2	15.6
42°30'- 97°30'	12.3	-	11.5	6.8	18.5	9.2	7.6	16.5
42°30'- 98°30'	12.7	-	11.8	6.9	18.7	9.6	8.0	16.8
42°30'- 99°30'	12.9	-	12.2	7.1	19.3	10.0	8.2	17.2
42°30'-100°30'	13.1	-	12.3	7.0	19.4	10.3	8.5	17.4
42°30'-101°30'	13.2	-	12.4	7.0	19.3	10.5	8.8	17.7
42°30'-102°30'	13.2	-	12.2	7.4	19.1	10.6	8.7	18.0
42°30'-103°30'	13.0	-	11.7	7.3	17.8	10.3	8.5	17.3
42°30'-104°30'	12.8	-	11.9	8.1	17.6	10.3	8.6	17.5
42°30'-105°30'	11.3	-	11.1	5.9	13.4	9.4	8.0	15.4
42°30'- 99°30'	12.9	-	12.1	7.2	18.8	10.1	8.6	17.1
43°30'-100°30'	13.7	-	12.7	8.0	20.0	10.8	9.1	18.2
43°30'-101°30'	13.9	-	12.9	8.3	20.2	11.1	9.2	18.9
43°30'-102°30'	13.5	-	12.5	8.4	19.5	10.9	8.9	18.6
43°30'-104°30'	12.3	-	11.9	7.8	18.5	10.2	8.6	17.3

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS
 [Latitude and longitude coordinates represent center point of each 10-minute cell; irrigation demand in inches; preliminary data available for 1978 were insufficient for calculation of irrigation demand]

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
31-55-00	101-35-00	0.	26.0	0.	21.3	0.	16.0	0.	19.5	0.	19.0	0.	21.0	0.
31-55-00	101-45-00	0.	26.1	0.	21.1	0.	16.0	0.	19.5	405.	19.0	364.	20.2	1102.
31-55-00	101-55-00	0.	26.3	0.	21.1	0.	16.6	0.	19.1	1552.	18.6	1396.	20.2	4224.
31-55-00	102-05-00	0.	26.3	0.	21.1	0.	16.6	0.	19.1	0.	18.8	0.	20.2	0.
31-55-00	102-15-00	0.	26.3	0.	21.1	0.	16.6	0.	19.1	405.	18.8	364.	20.2	1102.
31-55-00	102-25-00	198.	25.0	427.	21.3	218.	37.9	476.	19.1	365.	25.5	297.	25.3	0.
31-55-00	102-35-00	0.	25.0	0.	21.3	0.	37.9	0.	19.1	0.	25.5	0.	25.3	0.
32-05-00	101-35-00	0.	17.0	0.	15.3	0.	16.0	0.	17.2	0.	17.3	0.	15.6	0.
32-05-00	101-45-00	611.	16.6	1645.	15.0	2487.	16.0	2720.	16.2	3136.	15.1	3095.	15.1	4432.
32-05-00	101-55-00	306.	16.6	823.	15.0	1244.	16.6	1360.	16.2	4987.	15.1	4626.	15.1	11486.
32-05-00	102-05-00	0.	16.6	0.	15.0	0.	15.4	0.	16.2	405.	15.1	364.	15.1	1102.
32-05-00	102-15-00	198.	16.3	427.	15.5	218.	15.5	476.	15.2	1094.	15.5	892.	15.7	872.
32-05-00	102-25-00	0.	15.0	0.	15.5	0.	15.5	0.	15.2	0.	15.5	0.	15.7	0.
32-05-00	102-35-00	0.	15.0	0.	15.5	0.	15.5	0.	15.2	0.	15.5	0.	15.7	0.
32-05-00	102-45-00	0.	15.0	0.	15.5	0.	15.5	0.	15.2	0.	15.5	0.	15.7	0.
32-15-00	101-25-00	0.	17.0	0.	15.3	0.	15.9	0.	17.2	0.	17.3	0.	15.6	0.
32-15-00	101-35-00	0.	17.0	0.	15.3	0.	15.9	0.	17.2	0.	17.3	0.	15.6	0.
32-15-00	101-45-00	0.	16.6	0.	15.0	0.	15.4	0.	16.2	1410.	15.1	1408.	15.1	2629.
32-15-00	101-55-00	1529.	16.6	4114.	15.0	6218.	15.4	6800.	16.2	3965.	15.1	3961.	15.1	2629.
32-15-00	102-05-00	1172.	16.6	3195.	15.0	4767.	15.4	5213.	16.2	5022.	15.1	5018.	15.1	5960.
32-15-00	102-15-00	0.	15.8	0.	15.5	0.	15.5	0.	15.2	0.	15.5	0.	15.7	0.
32-15-00	102-25-00	0.	15.0	41.	15.5	136.	15.5	196.	15.2	159.	15.5	145.	15.7	0.
32-15-00	102-35-00	0.	15.0	0.	15.5	0.	15.5	0.	15.2	0.	15.5	0.	15.7	0.
32-15-00	102-45-00	0.	15.0	0.	15.5	0.	15.5	0.	15.2	0.	15.5	0.	15.7	0.
32-15-00	102-55-00	0.	15.0	0.	15.5	0.	15.5	0.	15.2	0.	15.5	0.	15.7	0.
32-25-00	101-25-00	0.	17.0	0.	15.3	0.	15.9	0.	17.2	0.	17.3	0.	15.6	0.
32-25-00	101-35-00	0.	17.0	0.	15.3	0.	15.9	0.	17.2	0.	17.3	0.	15.6	0.
32-25-00	101-45-00	0.	16.6	0.	15.0	0.	15.4	0.	16.2	0.	15.1	0.	15.1	0.
32-25-00	101-55-00	255.	16.6	686.	15.0	1036.	15.4	1133.	16.2	793.	15.1	792.	15.1	701.
32-25-00	102-05-00	764.	16.6	2057.	15.0	3109.	15.4	3400.	16.2	1410.	15.1	1408.	15.1	0.
32-25-00	102-15-00	255.	15.8	686.	15.5	1036.	15.5	1133.	15.2	529.	15.5	528.	15.7	0.
32-25-00	102-25-00	0.	15.0	0.	15.5	0.	15.5	0.	15.2	0.	15.5	0.	15.7	0.
32-25-00	102-35-00	0.	15.0	0.	15.5	0.	15.5	0.	15.2	438.	15.5	400.	15.7	2391.
32-25-00	102-45-00	0.	15.0	0.	15.5	0.	15.5	0.	15.2	0.	15.5	0.	15.7	0.
32-25-00	102-55-00	0.	15.0	0.	15.5	0.	15.5	0.	15.2	0.	15.5	0.	15.7	0.
32-35-00	101-45-00	21.	14.3	1059.	13.8	2408.	13.6	4265.	14.1	1641.	14.0	1182.	13.7	0.
32-35-00	101-55-00	59.	14.3	2964.	13.8	6741.	13.6	11942.	14.1	5932.	14.0	4372.	13.7	1841.
32-35-00	102-05-00	0.	14.3	0.	13.8	0.	13.6	0.	14.1	0.	14.0	0.	13.7	0.
32-35-00	102-15-00	0.	14.0	0.	14.8	0.	14.3	0.	15.3	0.	16.0	0.	16.5	0.
32-35-00	102-25-00	0.	14.0	88.	14.8	288.	14.3	417.	15.3	1632.	16.0	1876.	16.5	4745.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
32-35-00	102-35-00	433.	14.0	2025.	14.8	4160.	14.3	7596.	15.3	6845.	16.0	9341.	16.5	4705.
32-35-00	102-45-00	653.	14.0	3327.	14.8	7189.	14.3	12768.	15.3	15840.	16.0	20644.	16.5	20200.
32-35-00	102-55-00	650.	14.0	2975.	14.8	6037.	14.3	11100.	15.3	14207.	16.0	19541.	16.5	18818.
32-35-00	103-05-00	1445.	14.3	2253.	16.7	3442.	15.9	5205.	16.3	6106.	17.5	8129.	19.6	7200.
32-35-00	103-15-00	614.	14.5	630.	16.7	715.	15.9	752.	16.3	546.	17.5	616.	19.6	546.
32-35-00	103-25-00	614.	14.5	630.	16.7	715.	15.9	752.	16.3	546.	17.5	616.	19.6	546.
32-45-00	101-45-00	30.	14.3	1482.	13.8	3371.	13.6	5971.	14.1	7221.	14.0	5201.	13.7	5699.
32-45-00	101-55-00	140.	14.3	6986.	13.8	15890.	13.6	28148.	14.1	18381.	14.0	15240.	13.7	8739.
32-45-00	102-05-00	30.	14.3	1482.	13.8	3371.	13.6	5971.	14.1	3611.	14.0	2837.	13.7	1520.
32-45-00	102-15-00	0.	14.0	0.	14.8	0.	14.3	0.	15.3	0.	16.0	0.	16.5	0.
32-45-00	102-25-00	216.	14.0	992.	14.8	2012.	14.3	3700.	15.3	5014.	16.0	6897.	16.5	7077.
32-45-00	102-35-00	289.	14.0	1322.	14.8	2683.	14.3	4933.	15.3	6686.	16.0	9196.	16.5	9409.
32-45-00	102-45-00	794.	14.0	3636.	14.8	7378.	14.3	13567.	15.3	16714.	16.0	22990.	16.5	21171.
32-45-00	102-55-00	794.	14.0	3636.	14.8	7378.	14.3	13567.	15.3	24235.	16.0	34465.	16.5	42341.
32-45-00	103-05-00	5204.	14.3	6364.	16.7	8402.	15.9	10953.	16.3	12725.	17.5	16425.	19.6	14548.
32-45-00	103-15-00	3687.	14.5	3782.	16.7	4289.	15.9	5415.	16.3	5267.	17.5	3697.	19.6	3268.
32-45-00	103-25-00	614.	14.5	630.	16.7	715.	15.9	752.	16.3	546.	17.5	616.	19.6	546.
32-45-00	103-35-00	0.	14.5	0.	16.7	0.	15.9	0.	16.3	0.	17.5	0.	19.6	0.
32-55-00	101-35-00	0.	13.3	0.	13.8	0.	13.6	0.	14.1	0.	14.0	0.	13.7	0.
32-55-00	101-45-00	364.	13.3	1124.	13.8	1432.	13.6	1725.	14.1	1136.	14.0	965.	13.7	380.
32-55-00	101-55-00	30.	13.3	1482.	13.8	3371.	13.6	5971.	14.1	3939.	14.0	2837.	13.7	1900.
32-55-00	102-05-00	576.	14.3	8456.	13.8	17882.	13.6	29344.	14.1	29560.	14.0	22894.	13.7	23501.
32-55-00	102-15-00	576.	14.0	4190.	14.8	8303.	14.3	12433.	15.3	14204.	16.0	15334.	16.5	14240.
32-55-00	102-25-00	932.	14.0	5631.	14.8	11175.	14.3	17747.	15.3	23099.	16.0	30006.	16.5	33511.
32-55-00	102-35-00	874.	14.0	4783.	14.8	9506.	14.3	15700.	15.3	24343.	16.0	29258.	16.5	37389.
32-55-00	102-45-00	817.	14.0	3669.	14.8	7345.	14.3	11815.	15.3	19802.	16.0	26418.	16.5	27338.
32-55-00	102-55-00	817.	14.0	3669.	14.8	7345.	14.3	11815.	15.3	15405.	16.0	20207.	16.5	17103.
32-55-00	103-05-00	5830.	14.3	7012.	16.7	9101.	15.9	11578.	16.3	11781.	17.5	14500.	19.6	12843.
32-55-00	103-15-00	6144.	14.5	6303.	16.7	7149.	15.9	7525.	16.3	5460.	17.5	6162.	19.6	5458.
32-55-00	103-25-00	4915.	14.5	5042.	16.7	5719.	15.9	6020.	16.3	4366.	17.5	4930.	19.6	4367.
32-55-00	103-35-00	0.	14.5	0.	16.7	0.	15.9	0.	16.3	0.	17.5	0.	19.6	0.
32-55-00	103-45-00	0.	14.5	0.	16.7	0.	15.9	0.	16.3	0.	17.5	0.	19.6	0.
33-05-00	101-35-00	364.	12.8	2249.	13.1	2863.	13.5	5175.	13.0	2423.	13.4	2186.	13.3	0.
33-05-00	101-45-00	0.	12.8	1746.	13.1	1590.	13.5	7763.	13.0	6038.	13.4	3643.	13.3	674.
33-05-00	101-55-00	0.	12.8	0.	13.1	0.	13.5	0.	13.0	808.	13.4	729.	13.3	674.
33-05-00	102-05-00	0.	13.1	597.	13.0	1162.	13.5	3152.	13.2	4332.	13.4	4211.	13.0	6109.
33-05-00	102-15-00	0.	13.5	6272.	13.0	12779.	12.5	33095.	13.3	30327.	13.0	29477.	12.8	32071.
33-05-00	102-25-00	0.	13.5	2389.	13.0	4647.	12.5	11032.	13.3	12997.	13.0	12633.	12.8	16799.
33-05-00	102-35-00	0.	13.3	1243.	13.0	2978.	12.5	6939.	13.3	11135.	13.0	11165.	12.8	15270.
33-05-00	102-45-00	0.	13.1	694.	13.2	1309.	13.0	4422.	13.7	5558.	13.9	6171.	14.9	7631.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
33-05-00	102-55-00	0.	13.1	694.	13.2	1309.	13.0	4422.	13.7	9881.	13.9	10970.	14.9	17551.
33-05-00	103-05-00	5530.	14.5	6020.	16.2	7088.	15.9	8430.	16.3	10472.	19.6	11717.	19.6	10378.
33-05-00	103-15-00	9216.	14.5	9454.	16.2	10723.	15.9	11287.	16.3	8190.	19.6	9243.	19.6	8169.
33-05-00	103-25-00	4915.	14.5	5042.	16.2	5714.	15.9	6020.	16.3	4368.	19.6	4930.	19.6	4367.
33-05-00	103-35-00	0.	14.5	0.	16.2	0.	15.9	0.	16.3	0.	19.6	0.	19.6	0.
33-05-00	103-45-00	0.	14.5	0.	16.2	0.	15.9	0.	16.3	0.	19.6	0.	19.6	0.
33-15-00	101-45-00	1822.	12.8	6000.	13.1	7000.	13.5	12075.	13.0	8884.	13.4	8014.	13.3	4719.
33-15-00	101-55-00	364.	12.8	3373.	13.1	4295.	13.5	7763.	13.0	10923.	13.4	11657.	13.3	15506.
33-15-00	102-05-00	0.	13.1	2319.	13.0	3755.	13.5	7316.	13.2	6119.	13.9	5722.	13.0	5343.
33-15-00	102-15-00	0.	13.5	4181.	13.0	8132.	12.5	22063.	13.3	18774.	13.0	18248.	12.8	16799.
33-15-00	102-25-00	0.	13.5	4181.	13.0	8132.	12.5	22063.	13.3	18774.	13.0	18248.	12.8	18326.
33-15-00	102-35-00	0.	13.3	174.	13.0	327.	12.5	1106.	13.3	2062.	13.0	2089.	12.8	2290.
33-15-00	102-45-00	0.	13.1	521.	13.2	981.	13.0	2764.	13.7	3088.	13.9	3428.	14.9	3815.
33-15-00	102-55-00	0.	13.1	694.	13.2	1309.	13.0	4422.	13.7	6484.	13.9	7542.	14.9	9920.
33-15-00	103-05-00	3072.	14.5	3498.	16.2	4228.	15.9	5420.	16.3	5818.	19.6	6509.	19.6	5765.
33-15-00	103-15-00	3072.	14.5	3151.	16.2	3574.	15.9	3762.	16.3	2730.	19.6	3081.	19.6	2729.
33-15-00	103-25-00	3072.	14.5	3151.	16.2	3574.	15.9	3762.	16.3	2730.	19.6	3081.	19.6	2729.
33-15-00	103-35-00	1229.	14.5	1261.	16.2	1430.	15.9	1505.	16.3	1092.	19.6	1232.	19.6	1091.
33-15-00	103-45-00	0.	14.5	0.	16.2	0.	15.9	0.	16.3	0.	19.6	0.	19.6	0.
33-25-00	101-45-00	30389.	12.5	43189.	12.9	47457.	12.5	36187.	12.7	32612.	12.7	27653.	12.4	26759.
33-25-00	101-55-00	13828.	12.5	29969.	12.9	32298.	12.5	39508.	12.7	44540.	12.7	38160.	12.4	42265.
33-25-00	102-05-00	12058.	12.6	37568.	12.4	54531.	12.5	41831.	12.4	40162.	12.3	34572.	12.2	32594.
33-25-00	102-15-00	9166.	12.6	35273.	12.4	40815.	12.0	33855.	12.4	35103.	12.3	30364.	12.2	28662.
33-25-00	102-25-00	701.	12.6	4590.	12.4	5664.	12.0	9881.	12.4	9482.	12.3	7851.	12.2	6483.
33-25-00	102-35-00	4191.	12.5	1892.	12.1	2250.	12.0	3758.	12.4	3952.	12.3	3787.	12.2	3509.
33-25-00	102-45-00	0.	11.8	362.	12.1	674.	12.3	1782.	11.5	5826.	12.8	5334.	12.5	9283.
33-25-00	102-55-00	0.	11.8	174.	12.1	327.	12.3	553.	11.5	3531.	12.8	3553.	12.5	5570.
33-25-00	103-05-00	614.	14.5	1166.	16.2	1716.	15.9	3086.	16.3	3723.	19.6	3765.	19.6	3335.
33-25-00	103-15-00	0.	14.5	0.	16.2	0.	15.9	0.	16.3	0.	19.6	0.	19.6	0.
33-25-00	103-25-00	614.	14.5	630.	16.2	714.	15.9	752.	16.3	546.	19.6	616.	19.6	546.
33-25-00	103-35-00	1843.	14.5	1891.	16.2	2145.	15.9	2257.	16.3	1638.	19.6	1849.	19.6	1638.
33-25-00	103-45-00	0.	14.5	0.	16.2	0.	15.9	0.	16.3	0.	19.6	0.	19.6	0.
33-35-00	101-15-00	0.	12.3	6564.	13.3	8943.	12.8	10358.	12.9	9977.	13.0	9186.	13.0	9000.
33-35-00	101-25-00	5704.	12.3	12599.	13.3	25337.	12.8	25716.	12.9	19954.	13.0	18372.	13.0	15000.
33-35-00	101-35-00	17654.	12.5	28845.	12.9	36851.	12.5	41838.	12.7	32662.	12.7	27602.	12.4	21336.
33-35-00	101-45-00	29012.	12.5	32373.	12.9	37845.	12.5	33212.	12.7	36522.	12.7	29920.	12.4	37339.
33-35-00	101-55-00	59042.	12.5	56219.	12.9	44260.	12.5	34570.	12.7	18261.	12.7	14960.	12.4	10668.
33-35-00	102-05-00	20414.	12.5	36252.	12.4	40475.	12.5	41035.	12.5	39111.	12.5	31960.	12.3	33537.
33-35-00	102-15-00	14013.	12.6	26007.	12.4	32096.	12.0	27667.	12.4	28134.	12.3	22566.	12.2	23127.
33-35-00	102-25-00	5605.	12.6	17593.	12.4	31656.	12.0	29644.	12.4	30144.	12.3	24178.	12.2	23127.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
33-35-00	102-35-00	2060.	12.5	7489.	12.1	11054.	12.0	13250.	12.4	17616.	12.3	15171.	12.2	19194.
33-35-00	102-45-00	0.	11.8	1812.	12.1	3369.	12.3	8908.	11.5	11652.	12.8	10668.	12.5	12996.
33-35-00	102-55-00	0.	11.8	362.	12.1	674.	12.3	1782.	11.5	1942.	12.8	1778.	12.5	1657.
33-35-00	103-05-00	0.	14.6	0.	16.6	0.	13.9	0.	14.0	0.	15.0	0.	14.8	0.
33-35-00	103-15-00	0.	14.6	0.	16.6	0.	13.9	0.	14.0	0.	15.0	0.	14.8	0.
33-35-00	103-25-00	0.	14.6	0.	16.6	0.	13.9	0.	14.0	0.	15.0	0.	14.8	0.
33-35-00	103-35-00	0.	14.6	0.	16.6	0.	13.9	0.	14.0	0.	15.0	0.	14.8	0.
33-45-00	100-55-00	30.	12.0	609.	14.0	1977.	12.9	2626.	13.0	3007.	13.0	2442.	13.0	2867.
33-45-00	101-05-00	0.	12.3	8818.	13.3	17981.	12.8	31786.	12.9	36560.	13.0	35869.	13.0	33695.
33-45-00	101-15-00	1711.	12.3	8753.	13.3	11924.	12.8	22055.	12.9	34077.	13.0	35979.	13.0	53416.
33-45-00	101-25-00	31371.	12.3	46498.	13.3	48344.	12.8	50895.	12.9	34943.	13.0	29965.	13.0	23000.
33-45-00	101-35-00	28216.	12.5	46215.	12.9	44878.	12.5	40784.	12.7	37086.	12.7	31057.	12.4	26671.
33-45-00	101-45-00	36018.	12.5	48558.	12.9	46268.	12.5	44497.	12.7	42609.	12.7	34906.	12.4	37339.
33-45-00	101-55-00	22006.	12.5	37372.	12.9	42845.	12.5	46497.	12.7	42609.	12.7	34906.	12.4	37339.
33-45-00	102-05-00	15612.	12.5	37959.	12.4	50872.	12.5	47046.	12.5	43526.	12.5	35486.	12.3	34293.
33-45-00	102-15-00	14013.	12.6	27537.	12.4	33984.	12.0	31620.	12.4	32153.	12.3	25790.	12.2	26431.
33-45-00	102-25-00	5605.	12.6	12239.	12.4	15104.	12.0	15810.	12.4	16077.	12.3	12895.	12.2	13216.
33-45-00	102-35-00	7457.	12.5	14972.	12.4	19346.	12.0	18141.	12.4	18855.	12.3	15694.	12.2	19713.
33-45-00	102-45-00	1977.	11.8	12873.	12.1	25211.	12.3	25725.	12.7	25246.	12.8	23114.	12.5	20422.
33-45-00	102-55-00	0.	11.8	8799.	12.1	18779.	12.3	25507.	12.7	27674.	12.8	25781.	12.5	23207.
33-45-00	103-05-00	2407.	14.8	4789.	17.1	6938.	13.9	9489.	14.0	7209.	15.0	7740.	14.8	7221.
33-45-00	103-15-00	0.	14.8	1669.	17.1	2122.	13.9	2603.	14.0	2660.	15.0	4184.	14.8	3147.
33-45-00	103-25-00	0.	14.8	0.	17.1	0.	13.9	0.	14.0	0.	15.0	0.	14.8	0.
33-45-00	103-35-00	0.	14.8	0.	17.1	0.	13.9	0.	14.0	0.	15.0	0.	14.8	0.
33-45-00	103-45-00	0.	14.8	0.	17.1	0.	13.9	0.	14.0	0.	15.0	0.	14.8	0.
33-55-00	100-55-00	18.	12.3	276.	14.0	668.	12.9	943.	13.0	989.	13.0	662.	13.0	815.
33-55-00	101-05-00	0.	13.1	8417.	13.5	9912.	13.0	17857.	12.8	23148.	13.0	23082.	13.0	28063.
33-55-00	101-15-00	0.	13.1	10521.	13.5	12390.	13.0	22959.	12.8	30093.	13.0	30007.	13.0	39756.
33-55-00	101-25-00	10924.	13.1	24324.	13.5	29252.	13.0	35714.	12.8	34722.	13.0	34623.	13.0	35079.
33-55-00	101-35-00	13588.	13.0	30293.	13.3	35764.	12.8	41877.	12.7	45161.	13.0	45115.	12.9	48710.
33-55-00	101-45-00	22289.	13.0	23723.	13.3	28049.	12.8	25714.	12.7	16547.	13.0	16056.	12.9	16170.
33-55-00	101-55-00	15921.	13.0	40663.	13.3	47073.	12.8	48141.	12.7	49641.	13.0	48168.	12.9	48509.
33-55-00	102-05-00	27457.	12.6	42187.	12.8	49691.	12.8	47054.	12.6	46490.	13.0	45954.	13.3	47644.
33-55-00	102-15-00	28648.	12.1	36927.	12.8	40284.	12.7	31974.	12.5	32150.	12.9	33221.	13.6	36750.
33-55-00	102-25-00	5372.	12.1	10551.	12.8	12367.	12.7	11627.	12.5	10717.	12.9	11074.	13.6	9183.
33-55-00	102-35-00	0.	13.1	3381.	12.8	4245.	12.7	7107.	12.5	3973.	12.9	3961.	13.6	3061.
33-55-00	102-45-00	0.	15.0	1486.	15.0	2307.	13.3	5173.	13.3	6664.	14.3	5965.	15.5	6181.
33-55-00	102-55-00	0.	15.0	3715.	15.0	5767.	13.3	12933.	13.3	11994.	14.3	10737.	15.5	9889.
33-55-00	103-05-00	344.	14.8	834.	17.1	1061.	13.9	651.	14.0	1998.	15.0	2867.	14.8	4045.
33-55-00	103-15-00	0.	14.8	417.	17.1	417.	13.9	0.	14.0	0.	15.0	0.	14.8	0.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
33-55-00	103-25-00	0.	14.8	0.	17.1	0.	13.9	0.	14.0	0.	15.0	0.	14.8	0.
33-55-00	103-35-00	0.	14.8	0.	17.1	0.	13.9	0.	14.0	0.	15.0	0.	14.8	0.
33-55-00	103-45-00	0.	14.8	0.	17.1	0.	13.9	0.	14.0	0.	15.0	0.	14.8	0.
34-05-00	101-05-00	0.	13.1	0.	13.5	0.	13.0	0.	12.8	0.	13.0	0.	13.0	0.
34-05-00	101-15-00	1345.	13.1	4208.	13.5	4956.	13.0	5102.	12.8	4630.	13.0	4616.	13.0	4677.
34-05-00	101-25-00	53834.	13.1	52603.	13.5	61951.	13.0	25510.	12.8	23148.	13.0	23082.	13.0	23386.
34-05-00	101-35-00	47985.	13.0	64175.	13.5	66529.	13.0	57713.	12.8	53434.	13.0	52284.	13.0	48710.
34-05-00	101-45-00	47762.	13.0	50603.	13.3	53760.	12.8	41427.	12.7	33094.	13.0	32112.	12.4	32340.
34-05-00	101-55-00	31841.	13.0	51447.	13.3	56423.	12.8	50141.	12.7	49641.	13.0	48168.	12.4	48509.
34-05-00	102-05-00	15321.	12.6	34755.	12.9	38633.	12.8	47054.	12.6	46490.	13.0	45954.	13.3	47644.
34-05-00	102-15-00	17905.	12.1	23739.	12.8	27826.	12.7	23254.	12.5	26792.	12.9	27684.	13.6	33669.
34-05-00	102-25-00	17905.	12.1	26376.	12.8	30917.	12.7	26161.	12.5	28132.	12.9	30452.	13.6	36730.
34-05-00	102-35-00	5372.	12.5	12096.	12.8	17674.	12.7	18414.	12.5	22753.	12.9	22958.	13.6	31256.
34-05-00	102-45-00	0.	15.0	2972.	15.0	4613.	13.3	10347.	13.3	10662.	14.3	9544.	15.5	8653.
34-05-00	102-55-00	0.	15.0	743.	15.0	1153.	13.3	1293.	13.3	1333.	14.3	1193.	15.5	1236.
34-05-00	103-05-00	2407.	14.8	4999.	17.1	5927.	13.9	3904.	14.0	6655.	15.0	7938.	14.8	10339.
34-05-00	103-15-00	6877.	14.8	6260.	17.1	7956.	13.9	9760.	14.0	9476.	15.0	9552.	14.8	11800.
34-05-00	103-25-00	1710.	14.8	3756.	17.1	4774.	13.9	2603.	14.0	2660.	15.0	3000.	14.8	4720.
34-05-00	103-35-00	0.	14.8	417.	17.1	530.	13.9	651.	14.0	665.	15.0	0.	14.8	0.
34-05-00	103-45-00	0.	14.8	0.	17.1	0.	13.9	0.	14.0	0.	15.0	0.	14.8	0.
34-05-00	103-55-00	0.	14.8	0.	17.1	0.	13.9	0.	14.0	0.	15.0	0.	14.8	0.
34-15-00	101-15-00	4036.	13.1	17885.	13.5	22302.	13.0	35714.	12.8	20833.	13.0	20774.	13.0	9354.
34-15-00	101-25-00	40361.	13.1	50499.	13.5	59473.	13.0	45918.	12.8	38195.	13.0	39240.	13.0	35079.
34-15-00	101-35-00	22647.	13.1	42818.	13.4	52592.	12.8	47877.	12.7	44325.	13.0	44246.	12.4	41895.
34-15-00	101-45-00	64602.	13.0	64483.	13.3	64147.	12.8	44284.	12.7	41367.	13.0	40140.	12.4	36382.
34-15-00	101-55-00	46841.	13.0	47447.	13.3	61423.	12.8	48713.	12.7	45504.	13.0	44154.	12.4	44467.
34-15-00	102-05-00	37407.	12.6	53932.	13.0	60549.	12.8	52868.	12.6	49169.	13.0	48722.	13.3	47644.
34-15-00	102-15-00	28648.	12.3	47478.	12.8	55651.	12.7	55228.	12.5	44207.	12.9	47062.	13.6	42852.
34-15-00	102-25-00	17905.	12.3	31652.	12.8	37101.	12.7	40695.	12.5	34830.	12.9	35989.	13.6	33669.
34-15-00	102-35-00	23990.	12.3	37520.	12.8	48218.	12.7	40695.	12.5	34830.	12.9	35989.	13.6	36730.
34-15-00	102-45-00	25063.	15.0	31203.	15.0	48441.	13.3	43973.	13.3	45312.	14.3	40561.	15.5	42030.
34-15-00	102-55-00	10025.	15.0	18944.	15.0	31140.	13.3	40093.	13.3	39981.	14.3	35789.	15.5	35849.
34-15-00	103-05-00	0.	14.8	6247.	17.1	9246.	13.9	17869.	14.0	29478.	15.0	24912.	14.8	22782.
34-15-00	103-15-00	3439.	14.8	5402.	17.1	7761.	13.9	9990.	14.0	10439.	15.0	13368.	14.8	20640.
34-15-00	103-25-00	3754.	14.8	11686.	17.1	14851.	13.9	15616.	14.0	15961.	15.0	15735.	14.8	15733.
34-15-00	103-35-00	3439.	14.8	5426.	17.1	6895.	13.9	9760.	14.0	9976.	15.0	8552.	14.8	7867.
34-15-00	103-45-00	0.	14.8	0.	17.1	0.	13.9	0.	14.0	0.	15.0	0.	14.8	0.
34-15-00	103-55-00	0.	14.8	0.	17.1	0.	13.9	0.	14.0	0.	15.0	0.	14.8	0.
34-25-00	101-15-00	4295.	13.5	11783.	13.4	13150.	13.0	13611.	13.0	14073.	13.0	13217.	13.0	13922.
34-25-00	101-25-00	8589.	13.5	26512.	13.4	29589.	13.0	34550.	13.0	33007.	13.0	30683.	13.0	30244.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
34-25-00	101-35-00	37639.	13.1	50291.	13.3	54833.	12.8	41295.	12.7	40790.	13.1	42863.	12.9	42843.
34-25-00	101-45-00	37639.	13.1	47776.	13.3	52091.	12.8	34631.	12.7	35846.	13.1	37820.	12.9	36079.
34-25-00	101-55-00	21078.	13.1	35203.	13.3	38383.	12.8	38631.	12.7	39554.	13.1	40341.	12.9	42843.
34-25-00	102-05-00	11539.	12.6	27680.	13.0	34428.	12.5	35872.	12.3	36609.	13.3	35426.	13.9	33395.
34-25-00	102-15-00	11539.	12.6	27680.	13.0	34428.	12.5	38861.	12.3	42710.	13.3	41331.	13.9	45538.
34-25-00	102-25-00	11539.	12.6	27680.	13.0	34428.	12.5	35872.	12.3	42710.	13.3	41331.	13.9	45538.
34-25-00	102-35-00	6889.	12.6	32619.	12.8	47516.	12.1	39762.	12.2	46860.	12.9	48621.	14.7	48406.
34-25-00	102-45-00	6889.	12.6	34483.	12.8	51571.	12.1	43253.	12.2	44249.	12.9	47403.	14.7	46518.
34-25-00	102-55-00	4592.	12.6	27586.	12.8	41257.	12.1	41253.	12.2	44249.	12.9	47403.	14.7	46518.
34-25-00	103-05-00	3006.	12.8	19743.	12.7	37167.	11.8	29304.	12.0	41061.	12.8	38660.	13.0	35558.
34-25-00	103-15-00	0.	12.8	8186.	12.7	16378.	11.8	17419.	12.0	18943.	12.8	28973.	13.0	25258.
34-25-00	103-25-00	0.	12.8	2047.	12.7	4095.	11.8	1161.	12.0	12629.	12.8	14486.	13.0	12629.
34-25-00	103-35-00	0.	12.8	0.	12.7	0.	11.8	0.	12.0	0.	12.8	0.	13.0	0.
34-25-00	103-45-00	0.	13.8	0.	17.1	0.	13.9	0.	14.0	0.	15.0	6856.	14.8	5362.
34-25-00	103-55-00	0.	13.8	0.	17.1	0.	13.9	0.	14.0	0.	15.0	0.	14.8	0.
34-35-00	101-25-00	716.	13.5	1683.	13.4	1879.	13.0	1571.	13.0	1023.	13.0	944.	13.0	480.
34-35-00	101-35-00	15055.	13.1	28917.	13.3	32900.	12.8	28631.	12.7	24721.	13.1	25213.	12.6	15784.
34-35-00	101-45-00	15055.	13.1	28917.	13.3	32900.	12.8	34631.	12.7	39554.	13.1	40341.	12.6	42843.
34-35-00	101-55-00	7528.	13.1	22631.	13.3	24675.	12.8	32631.	12.7	37082.	13.1	37820.	12.6	38333.
34-35-00	102-05-00	11539.	12.6	27680.	13.0	34428.	12.5	32872.	12.3	30507.	13.3	29522.	13.9	24287.
34-35-00	102-15-00	19231.	12.6	35229.	13.0	43817.	12.5	38872.	12.3	39659.	13.3	38379.	13.9	39466.
34-35-00	102-25-00	11539.	12.6	27680.	13.0	34428.	12.5	38861.	12.3	42710.	13.3	41331.	13.9	45538.
34-35-00	102-35-00	6889.	12.6	32619.	12.8	47516.	12.1	39763.	12.2	46860.	12.9	48621.	14.7	48406.
34-35-00	102-45-00	6889.	12.6	32184.	12.8	48133.	12.1	40164.	12.2	44249.	12.9	47403.	14.7	46518.
34-35-00	102-55-00	4592.	12.6	27586.	12.8	41257.	12.1	40164.	12.2	37928.	12.9	40632.	14.7	36550.
34-35-00	103-05-00	0.	12.8	12784.	12.7	23254.	11.8	23598.	12.0	31586.	12.8	28030.	13.0	25290.
34-35-00	103-15-00	0.	12.8	2047.	12.7	4095.	11.8	17419.	12.0	18943.	12.8	14486.	13.0	12629.
34-35-00	103-25-00	0.	12.8	0.	12.7	0.	11.8	5806.	12.0	6314.	12.8	7243.	13.0	6314.
34-35-00	103-35-00	0.	12.8	0.	12.7	0.	11.8	5806.	12.0	6314.	12.8	7243.	13.0	6314.
34-35-00	103-45-00	0.	13.8	0.	12.7	0.	11.8	180.	12.0	306.	12.8	3047.	13.0	2651.
34-35-00	103-55-00	640.	13.8	770.	12.7	945.	11.8	420.	12.0	458.	12.8	265.	13.0	218.
34-45-00	101-25-00	109.	14.5	1578.	13.6	1932.	12.8	2618.	13.7	3070.	13.0	2832.	13.0	3360.
34-45-00	101-35-00	7085.	14.3	21562.	13.5	26912.	12.8	14447.	12.7	18593.	13.1	18849.	12.6	1444.
34-45-00	101-45-00	8370.	13.8	23633.	13.5	27339.	12.8	16049.	12.7	22952.	13.1	22645.	12.6	11433.
34-45-00	101-55-00	2247.	13.8	19804.	13.5	22922.	12.8	16823.	12.7	21295.	13.1	20896.	12.6	9178.
34-45-00	102-05-00	2564.	13.5	10723.	13.5	13357.	12.5	13495.	12.4	13832.	13.0	13747.	13.2	7456.
34-45-00	102-15-00	29595.	12.6	33800.	13.0	44396.	12.5	11957.	12.3	11152.	13.0	8857.	13.2	3036.
34-45-00	102-25-00	34953.	12.6	45938.	13.0	61261.	12.5	30489.	12.3	31145.	13.0	32546.	13.2	35594.
34-45-00	102-35-00	8789.	12.6	24728.	12.9	37164.	12.0	30713.	12.2	36747.	12.8	37667.	13.9	42454.
34-45-00	102-45-00	3215.	12.6	19152.	12.9	29050.	12.0	29378.	12.2	31556.	12.8	33206.	13.9	32621.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
34-45-00	102-55-00	1837.	12.6	15323.	12.9	23120.	12.0	18815.	12.2	18161.	12.8	19306.	13.9	13291.
34-45-00	103-05-00	0.	12.8	3936.	12.7	7533.	11.8	11985.	12.0	12636.	12.8	21258.	13.0	19274.
34-45-00	103-15-00	0.	12.8	0.	12.7	0.	11.8	0.	12.0	0.	12.8	0.	13.0	0.
34-45-00	103-25-00	0.	12.8	0.	12.7	0.	11.8	0.	12.0	0.	12.8	0.	13.0	0.
34-45-00	103-35-00	0.	12.8	0.	12.7	0.	11.8	0.	12.0	0.	12.8	0.	13.0	0.
34-45-00	103-45-00	0.	12.8	0.	12.7	0.	11.8	0.	12.0	0.	12.8	0.	13.0	0.
34-45-00	103-55-00	960.	12.8	1430.	12.7	1755.	11.8	2400.	12.0	1986.	12.8	2993.	13.0	2446.
34-45-00	104-05-00	0.	12.0	0.	12.5	0.	12.5	0.	13.0	0.	13.5	0.	14.0	0.
34-55-00	100-35-00	25.	17.0	331.	14.9	1360.	11.5	2644.	15.5	3263.	15.5	2629.	13.0	3700.
34-55-00	100-45-00	43.	17.0	575.	14.9	2364.	11.5	4598.	15.5	5674.	15.5	4573.	13.0	6434.
34-55-00	100-55-00	31.	17.0	417.	14.9	1714.	11.5	3334.	15.5	4114.	15.5	3315.	13.0	4665.
34-55-00	101-35-00	0.	15.5	253.	13.8	418.	13.9	812.	14.3	670.	13.8	674.	13.1	0.
34-55-00	101-45-00	235.	14.1	657.	13.6	838.	12.4	0.	12.6	0.	12.9	0.	12.5	0.
34-55-00	101-55-00	470.	14.1	1315.	13.6	1675.	12.4	774.	12.6	1629.	12.9	1544.	12.5	1385.
34-55-00	102-05-00	2105.	14.1	7877.	13.6	11664.	12.4	3096.	12.6	3259.	12.9	3069.	12.5	2077.
34-55-00	102-15-00	18622.	12.8	21419.	13.0	34688.	11.9	21374.	12.2	22938.	12.8	22870.	13.1	19502.
34-55-00	102-25-00	27933.	12.8	35188.	13.0	57316.	11.9	35007.	12.2	35370.	12.8	35842.	13.1	33466.
34-55-00	102-35-00	9311.	12.8	18359.	13.0	29904.	11.9	30631.	12.2	33012.	12.8	33267.	13.1	31075.
34-55-00	102-45-00	0.	12.8	1530.	13.0	2492.	11.9	2188.	12.2	7074.	12.8	7128.	13.1	9562.
34-55-00	102-55-00	0.	12.8	0.	13.0	0.	11.9	0.	12.2	0.	12.8	0.	13.1	0.
34-55-00	103-05-00	0.	12.8	0.	12.7	0.	11.8	0.	12.0	0.	12.8	0.	13.0	0.
34-55-00	103-15-00	0.	12.8	0.	12.7	0.	11.8	0.	12.0	0.	12.8	0.	13.0	0.
34-55-00	103-25-00	0.	12.8	0.	12.7	0.	11.8	0.	12.0	306.	12.8	76.	13.0	62.
34-55-00	104-05-00	0.	12.0	0.	12.5	0.	12.5	0.	13.0	0.	13.5	0.	14.0	0.
35-05-00	100-45-00	1.	17.0	14.	14.9	59.	11.5	115.	15.5	142.	15.5	114.	16.1	161.
35-05-00	100-55-00	7.	17.0	101.	14.9	414.	11.5	805.	15.5	993.	15.5	800.	16.1	1126.
35-05-00	101-05-00	0.	16.0	0.	14.9	0.	11.5	0.	14.9	0.	15.5	0.	15.0	0.
35-05-00	101-15-00	0.	15.5	0.	13.8	0.	13.9	0.	14.3	0.	13.8	0.	13.1	0.
35-05-00	101-25-00	0.	15.5	0.	13.8	0.	13.9	0.	14.3	0.	13.8	0.	13.1	0.
35-05-00	101-35-00	0.	15.5	0.	13.8	0.	13.9	0.	14.3	0.	13.8	0.	13.1	0.
35-05-00	101-45-00	0.	14.1	0.	13.6	0.	12.4	0.	12.6	0.	12.9	0.	12.5	0.
35-05-00	101-55-00	5871.	14.1	8546.	13.6	10889.	12.4	9289.	12.6	9777.	12.9	9267.	12.5	4846.
35-05-00	102-05-00	10081.	14.1	28787.	13.6	40898.	12.4	15481.	12.6	17924.	12.9	16989.	12.5	15923.
35-05-00	102-15-00	7449.	12.8	15299.	13.0	24920.	11.9	32582.	12.2	32542.	12.8	32256.	13.1	28437.
35-05-00	102-25-00	4656.	12.8	16629.	13.0	27412.	11.9	37195.	12.2	37728.	12.8	38016.	13.1	33466.
35-05-00	102-35-00	0.	12.8	10710.	13.0	17444.	11.9	28443.	12.2	28296.	12.8	28514.	13.1	26295.
35-05-00	102-45-00	0.	12.8	4590.	13.0	7476.	11.9	13128.	12.2	11790.	12.8	11881.	13.1	9562.
35-05-00	102-55-00	0.	12.8	0.	13.0	0.	11.9	0.	12.2	0.	12.8	0.	13.1	0.
35-15-00	100-25-00	14.	31.5	85.	25.8	227.	17.2	450.	17.7	612.	20.6	342.	19.2	336.
35-15-00	100-35-00	0.	26.1	0.	30.5	76.	13.1	147.	14.8	358.	13.5	391.	13.4	412.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
35-15-00	100-45-00	0.	26.1	0.	30.5	63.	13.1	115.	14.8	236.	13.5	244.	13.4	268.
35-15-00	100-55-00	0.	26.1	0.	30.5	63.	13.1	115.	14.8	471.	13.5	733.	13.4	803.
35-15-00	101-05-00	0.	26.0	16.	30.5	4860.	13.1	7128.	14.8	15931.	13.5	16465.	12.6	15115.
35-15-00	101-15-00	0.	25.0	49.	14.1	14581.	12.9	21383.	11.7	24588.	12.3	25406.	11.8	22960.
35-15-00	101-25-00	0.	23.0	16.	14.1	4860.	12.9	7128.	11.7	14753.	12.3	15243.	11.8	13776.
35-15-00	101-35-00	0.	23.0	0.	14.1	0.	12.9	0.	11.7	0.	12.3	0.	11.8	0.
35-15-00	101-45-00	0.	20.0	0.	13.5	0.	12.0	0.	14.8	0.	12.8	0.	12.5	0.
35-15-00	102-05-00	2810.	14.1	5259.	13.0	6701.	12.4	6192.	12.0	8147.	12.9	7722.	12.5	8308.
35-15-00	102-15-00	931.	12.8	2845.	11.8	4167.	11.9	6698.	11.9	7975.	12.8	7841.	13.1	7550.
35-15-00	102-25-00	0.	12.8	1530.	11.8	2492.	11.9	4376.	11.9	7074.	12.8	7128.	13.1	7171.
35-15-00	102-35-00	0.	12.8	0.	11.8	0.	11.9	0.	11.9	2358.	12.8	2376.	13.1	2390.
35-15-00	102-45-00	0.	12.8	0.	11.8	0.	11.9	0.	11.9	2358.	12.8	2376.	13.1	2390.
35-25-00	99-55-00	0.	25.0	216.	26.0	565.	18.0	847.	23.0	1836.	24.0	1621.	20.0	1389.
35-25-00	100-15-00	0.	31.5	0.	25.8	80.	17.2	365.	17.7	1101.	20.6	1174.	19.2	1151.
35-25-00	100-25-00	14.	31.5	85.	25.8	267.	17.2	642.	17.7	1162.	20.6	929.	19.2	911.
35-25-00	100-35-00	0.	26.1	0.	30.5	13.	13.1	32.	14.8	61.	13.5	49.	13.4	48.
35-25-00	100-45-00	0.	26.1	0.	30.5	0.	13.1	0.	14.8	0.	13.5	0.	13.4	0.
35-25-00	100-55-00	8.	26.1	69.	30.5	629.	13.1	1153.	14.8	2355.	13.5	2444.	13.4	2678.
35-25-00	101-05-00	0.	26.0	155.	30.5	6119.	13.1	9434.	11.7	18757.	13.5	19397.	12.6	18329.
35-25-00	101-15-00	0.	25.0	33.	14.1	9720.	12.9	14255.	11.7	14753.	12.3	15243.	11.8	13776.
35-25-00	101-25-00	0.	23.0	33.	14.1	9720.	12.9	14255.	11.7	9835.	12.3	10162.	11.8	9184.
35-25-00	101-35-00	0.	23.0	0.	14.1	0.	12.9	0.	11.7	4918.	12.3	5081.	11.8	4592.
35-35-00	99-55-00	0.	25.0	157.	26.0	412.	18.0	618.	23.0	1340.	24.0	1183.	20.0	1014.
35-35-00	100-05-00	0.	31.5	0.	25.8	27.	17.2	161.	17.7	489.	20.6	489.	19.2	479.
35-35-00	100-15-00	14.	31.5	85.	25.8	263.	17.2	597.	17.7	1051.	20.6	921.	19.2	942.
35-35-00	100-25-00	21.	31.5	128.	25.8	397.	17.2	854.	17.7	1418.	20.6	1165.	19.2	1182.
35-35-00	100-35-00	24.	26.1	208.	30.5	1840.	13.1	3066.	14.8	5629.	13.5	5488.	13.4	5973.
35-35-00	100-45-00	24.	26.1	208.	30.5	1970.	13.1	3770.	14.8	8099.	13.5	8571.	13.4	9215.
35-35-00	100-55-00	8.	26.1	69.	30.5	711.	13.1	1464.	14.8	3388.	13.5	3683.	13.4	3858.
35-35-00	101-05-00	0.	26.1	0.	30.5	0.	13.1	0.	14.8	236.	13.5	244.	12.6	268.
35-35-00	101-15-00	0.	26.0	0.	14.1	0.	12.9	0.	11.7	0.	12.3	0.	11.8	0.
35-35-00	101-25-00	0.	25.0	0.	14.1	0.	12.9	0.	11.7	0.	12.3	0.	11.8	0.
35-35-00	101-35-00	0.	23.0	0.	14.1	0.	12.9	0.	11.7	0.	12.3	0.	11.8	0.
35-35-00	101-55-00	0.	23.0	0.	11.7	0.	12.0	0.	11.5	0.	12.8	0.	12.4	0.
35-35-00	102-05-00	0.	15.0	0.	13.0	0.	11.5	0.	11.5	0.	12.8	0.	12.4	0.
35-35-00	102-15-00	0.	15.0	0.	13.0	0.	12.2	0.	11.9	0.	11.7	0.	12.8	0.
35-35-00	102-35-00	0.	15.0	0.	13.0	0.	12.2	0.	11.9	0.	11.7	0.	12.8	0.
35-35-00	102-45-00	0.	15.0	0.	13.0	0.	12.2	0.	11.9	0.	11.7	0.	12.8	0.
35-35-00	102-55-00	0.	15.0	0.	13.0	0.	12.2	0.	11.9	0.	11.7	0.	12.8	0.
35-35-00	103-05-00	0.	14.0	0.	10.0	0.	15.0	0.	12.0	0.	13.0	0.	12.5	0.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1976
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
35-35-00	103-15-00	0.	14.0	0.	10.0	0.	15.0	0.	12.0	0.	13.0	0.	12.5	0.
35-45-00	99-45-00	0.	25.0	76.	26.0	198.	18.0	298.	23.0	645.	24.0	570.	20.0	488.
35-45-00	99-55-00	0.	25.0	134.	26.0	351.	18.0	527.	23.0	1141.	24.0	1008.	20.0	664.
35-45-00	100-05-00	0.	30.0	0.	29.8	23.	19.8	51.	22.9	72.	22.8	187.	17.7	223.
35-45-00	100-15-00	0.	30.0	0.	29.8	58.	19.8	169.	22.9	270.	22.8	749.	17.7	893.
35-45-00	100-25-00	0.	30.0	0.	29.8	58.	19.8	169.	22.9	270.	22.8	749.	17.7	893.
35-45-00	100-35-00	0.	28.0	0.	21.8	45.	13.3	223.	15.2	751.	13.5	827.	11.1	787.
35-45-00	100-45-00	0.	28.0	0.	21.8	159.	13.3	578.	15.2	1784.	13.5	2066.	11.1	1966.
35-45-00	100-55-00	0.	28.0	0.	21.8	0.	13.3	0.	15.2	0.	13.5	0.	11.1	0.
35-45-00	101-05-00	0.	28.0	0.	16.0	0.	13.3	0.	15.2	0.	13.5	0.	12.5	0.
35-45-00	101-15-00	0.	27.0	0.	14.4	0.	11.8	0.	10.8	0.	12.1	0.	12.5	0.
35-45-00	101-55-00	36.	20.0	489.	12.7	1146.	11.5	2121.	11.1	4376.	12.7	3638.	12.4	4190.
35-45-00	102-05-00	71.	17.6	1230.	12.7	3939.	11.5	10848.	11.1	19724.	12.7	19867.	12.4	22797.
35-45-00	102-15-00	0.	16.0	201.	10.7	501.	12.2	1301.	11.5	3698.	11.7	4191.	12.2	4614.
35-45-00	102-25-00	0.	16.0	50.	10.7	250.	12.2	976.	11.5	2958.	11.7	4191.	12.2	4614.
35-45-00	102-35-00	0.	16.0	0.	10.7	0.	12.2	0.	11.5	0.	11.7	0.	12.2	0.
35-45-00	102-45-00	0.	16.0	0.	10.7	0.	12.2	0.	11.5	0.	11.7	0.	12.2	0.
35-45-00	102-55-00	0.	16.0	301.	10.7	751.	12.2	1952.	11.5	3698.	11.7	4191.	12.2	4614.
35-45-00	103-05-00	0.	14.0	0.	10.0	0.	15.0	342.	12.0	1664.	13.0	919.	12.5	1179.
35-45-00	103-15-00	0.	14.0	0.	10.0	0.	15.0	0.	12.0	0.	13.0	303.	12.5	250.
35-45-00	103-25-00	0.	14.0	10.	10.0	758.	15.0	619.	12.0	6539.	13.0	3841.	12.5	1248.
35-55-00	99-45-00	0.	25.0	0.	26.0	0.	18.0	0.	23.0	0.	24.0	0.	20.0	0.
35-55-00	99-55-00	0.	25.0	14.	26.0	13.	18.0	13.	23.0	54.	24.0	169.	20.0	198.
35-55-00	100-05-00	0.	30.0	376.	29.8	748.	19.8	777.	22.9	485.	22.8	300.	17.7	357.
35-55-00	100-15-00	0.	30.0	0.	29.8	23.	19.8	84.	22.9	144.	22.8	375.	17.7	447.
35-55-00	100-25-00	0.	30.0	0.	29.8	23.	19.8	68.	22.9	108.	22.8	300.	17.7	357.
35-55-00	100-35-00	0.	28.0	0.	21.8	0.	13.3	0.	15.2	0.	13.5	0.	11.1	0.
35-55-00	100-45-00	0.	28.0	0.	21.8	54.	13.3	134.	15.2	376.	13.5	413.	11.1	393.
35-55-00	100-55-00	0.	28.0	0.	21.8	109.	13.3	356.	15.2	1127.	13.5	1240.	11.1	1180.
35-55-00	101-05-00	0.	28.0	0.	16.0	314.	13.3	378.	15.2	591.	13.5	500.	12.5	523.
35-55-00	101-15-00	2.	25.0	437.	14.4	1886.	11.8	2645.	10.8	4725.	12.1	4997.	12.5	5226.
35-55-00	101-25-00	11.	23.0	2186.	14.4	8173.	11.8	9825.	10.8	15945.	12.1	13684.	12.5	14632.
35-55-00	101-35-00	195.	23.0	5944.	14.4	16418.	11.8	21188.	10.8	27580.	12.1	20622.	12.5	22851.
35-55-00	101-45-00	445.	17.6	6116.	12.7	13752.	11.5	24397.	11.1	32093.	12.5	24254.	12.4	27935.
35-55-00	101-55-00	445.	17.6	6116.	12.7	13752.	11.5	24397.	11.1	32093.	12.5	24254.	12.4	27935.
35-55-00	102-05-00	125.	17.6	1712.	12.7	6409.	11.5	9663.	11.1	17059.	12.7	25442.	12.4	30178.
35-55-00	102-15-00	0.	16.0	502.	10.7	1878.	12.2	6507.	11.5	18491.	11.7	25149.	12.2	27682.
35-55-00	102-25-00	0.	16.0	1256.	10.7	3005.	12.2	7809.	11.5	17011.	11.7	18442.	12.2	20300.
35-55-00	102-35-00	0.	16.0	100.	10.7	376.	12.2	976.	11.5	2958.	11.7	4191.	12.2	4614.
35-55-00	102-45-00	0.	16.0	100.	10.7	250.	12.2	651.	11.5	1479.	11.7	1677.	12.2	1845.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
35-55-00	102-55-00	0.	16.0	603.	10.7	1252.	12.2	2603.	11.5	3698.	11.7	1677.	12.2	1845.
35-55-00	103-05-00	0.	14.0	0.	10.0	0.	15.0	244.	12.0	1189.	13.0	419.	12.5	1179.
35-55-00	103-15-00	0.	14.0	0.	10.0	0.	15.0	0.	12.0	0.	13.0	0.	12.5	0.
35-55-00	103-25-00	11.	14.0	10.	10.0	758.	15.0	69.	12.0	727.	13.0	2068.	12.5	672.
36-05-00	99-25-00	3.	21.0	138.	29.7	127.	20.0	129.	27.0	544.	23.2	1686.	18.7	1978.
36-05-00	99-35-00	6.	21.0	276.	29.7	255.	20.0	258.	27.0	1087.	23.2	3372.	18.7	3955.
36-05-00	99-45-00	1.	21.0	35.	29.7	32.	20.0	32.	27.0	136.	23.2	422.	18.7	494.
36-05-00	99-55-00	0.	21.0	21.	29.7	19.	20.0	19.	27.0	82.	23.2	253.	18.7	297.
36-05-00	100-05-00	0.	20.0	66.	12.8	127.	20.3	135.	16.8	90.	15.4	75.	14.3	89.
36-05-00	100-15-00	0.	20.0	0.	12.8	23.	20.3	84.	16.8	144.	15.4	375.	14.3	447.
36-05-00	100-25-00	0.	20.0	0.	12.8	12.	20.3	17.	16.8	18.	15.4	75.	14.3	89.
36-05-00	100-35-00	0.	18.5	19.	11.4	50.	13.5	476.	12.0	1223.	12.5	1756.	12.7	2246.
36-05-00	100-45-00	0.	18.3	0.	11.4	317.	13.5	1174.	12.0	3418.	12.5	4794.	12.7	4550.
36-05-00	100-55-00	41.	18.3	760.	11.4	2221.	13.5	5087.	12.0	10254.	12.5	9589.	12.7	9100.
36-05-00	101-05-00	73.	23.0	2747.	13.9	8143.	12.8	15720.	11.4	23393.	11.9	17878.	11.7	18481.
36-05-00	101-15-00	44.	29.1	3461.	13.9	9912.	12.8	16179.	11.4	24889.	11.9	21200.	11.7	22741.
36-05-00	101-25-00	15.	29.1	1519.	13.9	4457.	12.8	6823.	11.4	11854.	11.9	10258.	11.7	11054.
36-05-00	101-35-00	67.	29.1	2714.	13.9	7910.	12.8	14053.	11.4	19865.	11.9	18533.	11.7	20514.
36-05-00	101-45-00	178.	25.1	2446.	12.1	13934.	11.9	23637.	11.4	22917.	12.5	20980.	12.1	23711.
36-05-00	101-55-00	178.	25.1	5140.	12.1	11316.	11.9	22107.	11.4	27986.	12.5	30258.	12.1	34170.
36-05-00	102-05-00	71.	25.1	1427.	12.1	4974.	11.9	10214.	11.4	14319.	12.5	17686.	12.1	20511.
36-05-00	102-15-00	98.	21.6	709.	14.3	2882.	13.2	6916.	13.2	19168.	13.6	24115.	13.2	35759.
36-05-00	102-25-00	244.	21.6	1523.	14.3	4635.	13.2	8868.	13.2	19282.	13.6	20794.	13.2	30568.
36-05-00	102-35-00	98.	21.6	258.	14.3	1504.	13.2	3759.	13.2	11376.	13.6	15260.	13.2	21917.
36-05-00	102-45-00	98.	21.6	207.	14.3	1065.	13.2	1717.	13.2	4948.	13.6	6373.	13.2	9574.
36-05-00	102-55-00	732.	21.6	1556.	14.3	3885.	13.2	4500.	13.2	7052.	13.6	4159.	13.2	6114.
36-05-00	103-05-00	0.	20.0	0.	21.9	0.	18.4	1367.	17.6	6656.	14.4	8827.	14.7	11205.
36-15-00	99-15-00	6.	21.0	78.	29.7	120.	20.0	206.	27.0	215.	23.2	276.	18.7	305.
36-15-00	99-25-00	24.	21.0	313.	29.7	482.	20.0	823.	27.0	862.	23.2	1106.	18.7	1219.
36-15-00	99-35-00	20.	21.0	304.	29.7	425.	20.0	682.	27.0	918.	23.2	1672.	18.7	1903.
36-15-00	99-45-00	1.	21.0	35.	29.7	32.	20.0	32.	27.0	136.	23.2	422.	18.7	494.
36-15-00	99-55-00	0.	21.0	21.	29.7	19.	20.0	19.	27.0	82.	23.2	253.	18.7	297.
36-15-00	100-05-00	0.	20.0	0.	12.8	175.	20.3	423.	16.8	2120.	15.4	4782.	14.3	8018.
36-15-00	100-15-00	0.	20.0	0.	12.8	0.	20.3	0.	16.8	0.	15.4	0.	14.3	0.
36-15-00	100-25-00	0.	20.0	0.	12.8	0.	20.3	0.	16.8	0.	15.4	0.	14.3	0.
36-15-00	100-35-00	5.	18.3	101.	11.4	317.	13.5	783.	12.0	854.	12.5	959.	12.7	910.
36-15-00	100-45-00	22.	18.3	405.	11.4	1427.	13.5	3522.	12.0	7690.	12.5	9569.	12.7	9100.
36-15-00	100-55-00	41.	18.3	760.	11.4	2538.	13.5	6652.	12.0	15380.	12.5	19177.	12.7	18201.
36-15-00	101-05-00	110.	25.0	4242.	13.9	9749.	12.8	28782.	11.4	33417.	11.9	22407.	11.7	25031.
36-15-00	101-15-00	56.	29.1	4237.	13.9	7595.	12.8	16466.	11.4	23160.	11.9	18151.	11.7	19796.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
36-15-00	101-25-00	38.	29.1	2149.	13.9	7053.	12.8	18999.	11.4	54740.	11.9	52671.	11.7	59592.
36-15-00	101-35-00	11.	29.1	914.	13.9	3666.	12.8	9787.	11.4	17735.	11.9	20770.	11.7	22919.
36-15-00	101-45-00	0.	25.1	449.	12.1	2244.	11.9	6045.	11.4	12310.	12.5	16130.	12.1	18124.
36-15-00	101-55-00	0.	25.1	898.	12.1	4489.	11.9	11227.	11.4	21543.	12.5	24194.	12.1	27186.
36-15-00	102-05-00	0.	25.1	269.	12.1	1435.	11.9	3055.	11.4	4130.	12.5	4333.	12.1	5355.
36-15-00	102-15-00	244.	21.6	519.	14.3	1680.	13.2	3247.	13.2	8417.	13.6	11069.	13.2	17303.
36-15-00	102-25-00	0.	21.6	0.	14.3	313.	13.2	464.	13.2	1052.	13.6	1107.	13.2	1730.
36-15-00	102-35-00	0.	21.6	0.	14.3	313.	13.2	464.	13.2	1052.	13.6	1107.	13.2	1730.
36-15-00	102-45-00	49.	21.6	104.	14.3	940.	13.2	2319.	13.2	7365.	13.6	11069.	13.2	17303.
36-15-00	102-55-00	146.	21.6	311.	14.3	1880.	13.2	3711.	13.2	11573.	13.6	15496.	13.2	24224.
36-15-00	103-05-00	0.	20.6	0.	21.9	0.	18.4	1611.	17.6	7844.	14.4	5053.	14.7	6487.
36-15-00	103-15-00	0.	20.6	0.	21.9	0.	18.4	244.	17.6	1189.	14.4	919.	14.7	1179.
36-25-00	99-25-00	3.	21.0	39.	29.7	60.	20.0	103.	27.0	108.	23.2	138.	16.7	152.
36-25-00	99-35-00	10.	21.0	152.	29.7	213.	20.0	341.	27.0	459.	23.2	837.	18.7	951.
36-25-00	99-45-00	1.	21.0	35.	29.7	32.	20.0	32.	27.0	136.	23.2	422.	18.7	494.
36-25-00	99-55-00	0.	21.0	0.	29.7	0.	20.0	0.	27.0	0.	23.2	0.	18.7	0.
36-25-00	100-05-00	0.	20.0	19.	12.8	175.	20.3	367.	16.8	1751.	15.4	3985.	14.3	6681.
36-25-00	100-15-00	0.	20.0	19.	12.8	150.	20.3	311.	16.8	1475.	15.4	2551.	14.3	5345.
36-25-00	100-25-00	0.	20.0	806.	12.8	1671.	20.3	1383.	16.8	2657.	15.4	2391.	14.3	4009.
36-25-00	100-35-00	41.	16.3	845.	11.4	2737.	13.5	6850.	12.0	15933.	12.5	19974.	12.7	19537.
36-25-00	100-45-00	14.	18.3	253.	11.4	793.	13.5	1957.	12.0	4272.	12.5	4794.	12.7	4550.
36-25-00	100-55-00	27.	18.3	507.	11.4	1586.	13.5	3913.	12.0	8545.	12.5	9589.	12.7	9100.
36-25-00	101-05-00	11.	25.0	645.	13.9	1402.	12.8	3707.	11.4	7278.	11.9	6609.	11.7	6530.
36-25-00	101-15-00	56.	29.1	3224.	13.9	8680.	12.8	21532.	11.4	34740.	11.9	36301.	11.7	39592.
36-25-00	101-25-00	38.	29.1	2149.	13.9	5968.	12.8	15199.	11.4	25090.	11.9	27226.	11.7	29694.
36-25-00	101-35-00	11.	29.1	914.	13.9	2581.	12.8	5988.	11.4	13484.	11.9	15123.	11.7	16813.
36-25-00	101-45-00	0.	25.1	449.	12.1	2244.	11.9	5182.	11.4	9233.	12.5	9678.	12.1	10874.
36-25-00	101-55-00	0.	25.1	269.	12.1	1870.	11.9	5182.	11.4	12310.	12.5	16130.	12.1	18124.
36-25-00	102-05-00	0.	25.1	269.	12.1	1122.	11.9	2591.	11.4	6155.	12.5	6452.	12.1	7250.
36-25-00	102-15-00	0.	21.6	0.	14.3	0.	13.2	0.	13.2	0.	13.6	0.	13.2	0.
36-25-00	102-25-00	0.	21.6	0.	14.3	0.	13.2	0.	13.2	0.	13.6	0.	13.2	0.
36-25-00	102-35-00	732.	21.6	1556.	14.3	3760.	13.2	4175.	13.2	5261.	13.6	2214.	13.2	3461.
36-25-00	102-45-00	732.	21.6	1556.	14.3	3760.	13.2	4175.	13.2	5261.	13.6	2214.	13.2	3461.
36-25-00	102-55-00	1709.	21.6	3142.	14.3	8460.	13.2	8813.	13.2	11573.	13.6	3321.	13.2	5191.
36-25-00	103-05-00	2926.	20.6	1756.	21.9	2780.	18.4	732.	17.6	3566.	14.4	1837.	14.7	2359.
36-25-00	103-15-00	98.	20.6	47.	21.9	74.	18.4	49.	17.6	237.	14.4	919.	14.7	1179.
36-25-00	103-25-00	0.	20.6	0.	21.9	0.	18.4	0.	17.6	0.	14.4	0.	14.7	0.
36-25-00	103-35-00	0.	20.6	0.	21.9	0.	18.4	0.	17.6	0.	14.4	0.	14.7	0.
36-35-00	99-35-00	11.	21.0	42.	29.7	47.	20.0	79.	27.0	91.	23.2	126.	16.7	244.
36-35-00	99-45-00	11.	21.0	42.	29.7	47.	20.0	79.	27.0	91.	23.2	126.	16.7	244.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
36-35-00	99-55-00	80.	21.0	306.	29.7	339.	20.0	565.	27.0	693.	23.2	1053.	18.7	1906.
36-35-00	100-05-00	0.	28.3	25.	24.5	146.	21.5	241.	17.3	1144.	14.6	1082.	14.4	1647.
36-35-00	100-15-00	0.	28.3	66.	24.5	381.	21.5	626.	17.3	2973.	14.6	2812.	14.4	4282.
36-35-00	100-25-00	0.	28.3	25.	24.5	146.	21.5	241.	17.3	1144.	14.6	1082.	14.4	1647.
36-35-00	100-35-00	251.	28.3	830.	24.5	1874.	21.5	1476.	17.3	3202.	14.6	3028.	14.4	4612.
36-35-00	100-45-00	251.	28.3	810.	24.5	1757.	21.5	1283.	17.3	2287.	14.6	2163.	14.4	3294.
36-35-00	100-55-00	0.	28.3	15.	24.5	88.	21.5	144.	17.3	686.	14.6	649.	14.4	988.
36-35-00	101-05-00	0.	24.5	58.	18.5	475.	13.4	1358.	11.3	4761.	13.1	5063.	14.0	5070.
36-35-00	101-15-00	0.	24.5	97.	18.5	792.	13.4	2263.	11.3	7936.	13.1	8438.	14.0	8450.
36-35-00	101-25-00	846.	24.5	1973.	18.5	6652.	13.4	9955.	11.3	19045.	13.1	20251.	14.0	20279.
36-35-00	101-35-00	0.	24.5	174.	18.5	1425.	13.4	4073.	11.3	14284.	13.1	15188.	14.0	15209.
36-35-00	101-45-00	282.	24.5	677.	18.5	2376.	13.4	3771.	11.3	7936.	13.1	8438.	14.0	8450.
36-35-00	101-55-00	0.	24.5	97.	18.5	792.	13.4	2263.	11.3	7936.	13.1	8438.	14.0	8450.
36-35-00	102-05-00	69.	23.1	183.	24.9	1301.	15.8	3830.	12.8	10826.	13.5	8648.	14.1	12182.
36-35-00	102-15-00	69.	23.1	155.	24.9	937.	15.8	2435.	12.8	5879.	13.5	4429.	14.1	6677.
36-35-00	102-25-00	0.	23.1	9.	24.9	110.	15.8	471.	12.8	1680.	13.5	1266.	14.1	1908.
36-35-00	102-35-00	0.	23.1	16.	24.9	220.	15.8	943.	12.8	3359.	13.5	2530.	14.1	3815.
36-35-00	102-45-00	0.	23.1	42.	24.9	551.	15.8	2356.	12.8	8399.	13.5	6327.	14.1	9538.
36-35-00	102-55-00	0.	23.1	29.	24.9	366.	15.8	1649.	12.8	5879.	13.5	4429.	14.1	6677.
36-35-00	103-05-00	228.	20.6	538.	21.9	853.	18.4	391.	17.6	1902.	14.4	2297.	14.7	2949.
36-35-00	103-15-00	0.	20.6	0.	21.9	0.	18.4	98.	17.6	475.	14.4	0.	14.7	0.
36-35-00	103-25-00	0.	20.6	0.	21.9	0.	18.4	0.	17.6	0.	14.4	0.	14.7	0.
36-35-00	103-35-00	0.	20.6	0.	21.9	0.	18.4	0.	17.6	0.	14.4	0.	14.7	0.
36-35-00	103-45-00	0.	20.6	0.	21.9	0.	18.4	0.	17.6	0.	14.4	0.	14.7	0.
36-45-00	99-45-00	11.	25.0	42.	20.0	47.	20.0	79.	20.0	91.	20.0	126.	17.0	244.
36-45-00	99-55-00	92.	25.0	333.	20.0	372.	20.0	630.	20.0	730.	20.0	1010.	17.0	1952.
36-45-00	100-05-00	0.	28.3	30.	24.5	176.	21.5	288.	17.3	1372.	14.6	1298.	14.4	1976.
36-45-00	100-15-00	0.	28.3	10.	24.5	59.	21.5	96.	17.3	457.	14.6	433.	14.4	659.
36-45-00	100-25-00	0.	28.3	5.	24.5	29.	21.5	48.	17.3	229.	14.6	216.	14.4	329.
36-45-00	100-35-00	0.	28.3	15.	24.5	88.	21.5	144.	17.3	686.	14.6	649.	14.4	986.
36-45-00	100-45-00	0.	28.3	5.	24.5	29.	21.5	48.	17.3	229.	14.6	216.	14.4	329.
36-45-00	100-55-00	0.	28.3	40.	24.5	275.	21.5	645.	17.3	2503.	14.6	2552.	14.4	3006.
36-45-00	101-05-00	0.	24.5	39.	16.5	317.	13.4	905.	11.3	3174.	13.1	3375.	14.0	3580.
36-45-00	101-15-00	0.	24.5	137.	18.5	1110.	13.4	3168.	11.3	11109.	13.1	11813.	14.0	11630.
36-45-00	101-25-00	423.	24.5	1045.	18.5	3801.	13.4	6335.	11.3	14284.	13.1	15188.	14.0	15209.
36-45-00	101-35-00	0.	24.5	20.	18.5	159.	13.4	453.	11.3	1587.	13.1	1688.	14.0	1690.
36-45-00	101-45-00	0.	24.5	0.	18.5	0.	13.4	0.	11.3	0.	13.1	0.	14.0	0.
36-45-00	101-55-00	0.	24.5	60.	18.5	477.	13.4	1359.	11.3	4761.	13.1	5063.	14.0	5070.
36-45-00	102-05-00	0.	23.1	16.	24.9	199.	15.8	689.	12.8	2427.	13.5	2320.	14.1	2644.
36-45-00	102-15-00	0.	23.1	21.	24.9	276.	15.8	1178.	12.8	4199.	13.5	3164.	14.1	4769.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
36-45-00	102-25-00	343.	23.1	733.	24.9	4135.	15.8	9818.	12.8	20997.	13.5	15818.	14.1	23846.
36-45-00	102-35-00	137.	23.1	293.	24.9	1653.	15.8	3927.	12.8	8399.	13.5	6327.	14.1	9538.
36-45-00	102-45-00	0.	23.1	9.	24.9	110.	15.8	471.	12.8	1680.	13.5	1266.	14.1	1908.
36-45-00	102-55-00	0.	23.1	4.	24.9	56.	15.8	236.	12.8	840.	13.5	633.	14.1	954.
36-55-00	99-55-00	23.	25.0	83.	20.0	93.	20.0	158.	20.0	163.	20.0	253.	17.0	488.
36-55-00	100-05-00	0.	28.3	45.	24.5	260.	21.5	432.	17.3	2061.	14.6	1944.	14.4	2961.
36-55-00	100-15-00	0.	28.3	5.	24.5	29.	21.5	48.	17.3	229.	14.6	216.	14.4	329.
36-55-00	100-25-00	0.	28.3	10.	24.5	59.	21.5	96.	17.3	457.	14.6	433.	14.4	659.
36-55-00	100-35-00	0.	28.3	20.	24.5	116.	21.5	192.	17.3	916.	14.6	864.	14.4	1316.
36-55-00	100-45-00	0.	28.3	35.	24.5	203.	21.5	336.	17.3	1603.	14.6	1512.	14.4	2303.
36-55-00	100-55-00	0.	28.3	70.	24.5	449.	21.5	933.	17.3	3877.	14.6	3848.	14.4	4980.
36-55-00	101-05-00	282.	24.5	658.	18.5	2217.	13.4	3318.	11.3	6348.	13.1	6750.	14.0	6760.
36-55-00	101-15-00	0.	24.5	39.	18.5	317.	13.4	905.	11.3	3174.	13.1	3375.	14.0	3380.
36-55-00	101-25-00	141.	24.5	406.	18.5	1742.	13.4	3469.	11.3	9523.	13.1	10125.	14.0	10139.
36-55-00	101-35-00	564.	24.5	1335.	18.5	4593.	13.4	7089.	11.3	14284.	13.1	15188.	14.0	15209.
36-55-00	101-45-00	283.	24.5	677.	18.5	2376.	13.4	3771.	11.3	7936.	13.1	8438.	14.0	8450.
36-55-00	101-55-00	0.	24.5	156.	18.5	1270.	13.4	3624.	11.3	12696.	13.1	13500.	14.0	13519.
36-55-00	102-05-00	0.	23.1	24.	24.9	309.	15.8	1160.	12.8	4107.	13.5	3586.	14.1	4551.
36-55-00	102-15-00	69.	23.1	163.	24.9	1047.	15.8	2906.	12.8	7559.	13.5	5695.	14.1	8584.
36-55-00	102-25-00	0.	23.1	13.	24.9	166.	15.8	707.	12.8	2520.	13.5	1898.	14.1	2861.
37-05-00	100-15-00	0.	15.8	0.	9.7	0.	14.0	0.	14.4	0.	13.7	0.	15.1	0.
37-05-00	100-25-00	0.	15.8	125.	17.3	406.	14.0	253.	14.4	1000.	13.7	1480.	15.1	1758.
37-05-00	100-35-00	0.	15.8	605.	17.3	1749.	14.0	1642.	14.4	978.	13.7	3539.	15.1	4249.
37-05-00	100-45-00	0.	13.6	317.	20.0	1476.	14.2	1317.	13.4	3424.	14.2	3479.	14.5	5126.
37-05-00	100-55-00	550.	13.6	898.	20.0	2461.	14.2	2635.	13.4	6849.	14.2	7537.	14.5	9520.
37-05-00	101-05-00	498.	14.0	896.	14.1	2529.	12.2	2930.	12.9	4754.	13.2	4924.	14.3	7356.
37-05-00	101-15-00	1000.	14.3	1217.	14.1	3745.	12.2	5807.	12.9	11173.	13.2	12163.	14.3	14446.
37-05-00	101-25-00	286.	14.3	1065.	14.1	2943.	12.2	4355.	12.9	7230.	13.2	8688.	14.3	9287.
37-05-00	101-35-00	245.	25.6	524.	16.1	1080.	14.7	4051.	12.1	7152.	13.1	7185.	14.6	7722.
37-05-00	101-45-00	120.	25.6	186.	16.1	487.	14.7	1481.	12.1	2714.	13.1	2747.	14.6	2776.
37-05-00	101-55-00	463.	25.6	186.	16.1	487.	14.7	1269.	12.1	3166.	13.1	2747.	14.6	2776.
37-05-00	102-05-00	11.	24.5	93.	18.6	412.	14.9	1090.	13.7	1411.	14.9	1601.	14.5	1496.
37-05-00	102-15-00	0.	24.5	0.	18.6	0.	14.9	0.	13.7	0.	14.4	0.	14.5	0.
37-05-00	102-25-00	2.	24.5	8.	18.6	34.	14.9	91.	13.7	101.	14.9	137.	14.5	114.
37-05-00	102-35-00	2.	24.5	8.	18.6	34.	14.9	91.	13.7	101.	14.9	137.	14.5	114.
37-05-00	102-45-00	0.	24.5	0.	18.6	0.	14.9	0.	13.7	0.	14.9	0.	14.5	0.
37-05-00	102-55-00	0.	24.5	0.	18.6	0.	14.9	0.	13.7	0.	14.9	0.	14.5	0.
37-15-00	99-15-00	0.	28.3	0.	17.8	0.	22.6	0.	20.8	0.	19.1	0.	16.1	0.
37-15-00	100-05-00	0.	20.0	0.	9.7	0.	14.0	0.	14.4	0.	13.7	0.	15.1	0.
37-15-00	100-15-00	0.	15.8	187.	17.3	812.	14.0	759.	14.4	1000.	13.7	2219.	15.1	2637.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
37-15-00	100-25-00	0.	15.8	687.	17.3	2029.	14.0	2530.	14.4	4502.	13.7	7398.	15.1	8791.
37-15-00	100-35-00	100.	15.8	1566.	17.3	4879.	14.0	5749.	14.4	12916.	13.7	17374.	15.1	19486.
37-15-00	100-45-00	100.	13.6	1293.	20.0	2625.	14.2	3764.	13.4	9784.	14.2	11595.	14.5	13914.
37-15-00	100-55-00	105.	13.6	1032.	20.0	4101.	14.2	3764.	13.4	9784.	14.2	11595.	14.5	14646.
37-15-00	101-05-00	0.	14.3	1177.	14.1	4298.	12.2	5121.	12.9	9507.	13.2	13615.	14.3	16477.
37-15-00	101-15-00	0.	14.3	760.	14.1	3745.	12.2	5081.	12.9	8544.	13.2	11294.	14.3	14446.
37-15-00	101-25-00	615.	14.3	1141.	14.1	4815.	12.2	5444.	12.9	9201.	13.2	12163.	14.3	14446.
37-15-00	101-35-00	200.	20.6	498.	16.1	1696.	14.7	3839.	12.1	7604.	13.1	9885.	14.6	10604.
37-15-00	101-45-00	120.	25.6	239.	16.1	812.	14.7	2751.	12.1	7689.	13.1	6410.	14.6	6015.
37-15-00	101-55-00	120.	25.6	399.	16.1	1462.	14.7	3808.	12.1	9046.	13.1	8699.	14.6	9252.
37-15-00	102-05-00	0.	24.5	375.	18.6	1162.	14.9	2209.	13.7	3976.	14.9	4301.	14.5	4152.
37-15-00	102-15-00	15.	24.5	57.	18.6	235.	14.9	637.	13.7	708.	14.9	959.	14.5	800.
37-15-00	102-25-00	39.	24.5	146.	18.6	604.	14.9	1639.	13.7	1821.	14.9	2465.	14.5	2056.
37-15-00	102-35-00	9.	24.5	32.	18.6	134.	14.9	364.	13.7	405.	14.9	584.	14.5	457.
37-15-00	102-45-00	0.	24.5	0.	18.6	0.	14.9	0.	13.7	0.	14.9	0.	14.5	0.
37-15-00	102-55-00	0.	24.5	0.	18.6	0.	14.9	0.	13.7	0.	14.9	0.	14.5	0.
37-15-00	103-05-00	0.	24.5	0.	18.6	0.	14.9	0.	15.0	0.	15.0	0.	15.0	0.
37-15-00	103-15-00	0.	24.5	0.	18.6	0.	14.9	0.	15.0	0.	15.0	0.	15.0	0.
37-25-00	98-05-00	0.	23.0	0.	23.1	0.	21.7	0.	18.0	15.	15.6	40.	16.0	89.
37-25-00	98-15-00	0.	23.0	0.	23.1	0.	21.7	21.	18.0	15.	15.6	40.	16.0	89.
37-25-00	98-25-00	0.	23.0	100.	23.1	48.	21.7	62.	18.0	44.	15.6	119.	16.0	258.
37-25-00	99-15-00	0.	27.3	0.	27.8	0.	18.5	0.	16.7	0.	14.9	0.	15.0	0.
37-25-00	99-25-00	0.	27.3	0.	27.8	0.	18.5	65.	16.7	1906.	14.9	2456.	15.0	5759.
37-25-00	99-35-00	0.	28.3	0.	9.7	0.	17.2	0.	14.2	0.	16.0	0.	16.6	0.
37-25-00	99-45-00	0.	28.3	0.	9.7	0.	17.2	0.	14.2	0.	16.0	0.	16.6	0.
37-25-00	99-55-00	0.	28.3	0.	9.7	0.	17.2	0.	14.2	0.	16.0	0.	16.6	0.
37-25-00	100-05-00	0.	20.0	177.	9.7	1490.	17.2	1312.	14.3	3619.	14.0	3817.	16.6	9833.
37-25-00	100-15-00	204.	15.8	1048.	17.3	3627.	14.0	5571.	14.4	10272.	13.7	14795.	15.1	24889.
37-25-00	100-25-00	813.	15.8	1048.	17.3	3627.	14.0	5371.	14.4	11042.	13.7	14055.	15.1	19352.
37-25-00	100-35-00	0.	15.8	1519.	17.3	5596.	14.0	7457.	14.4	13246.	13.7	21108.	15.1	25333.
37-25-00	100-45-00	916.	17.1	974.	15.6	5303.	13.1	7694.	13.9	13404.	13.6	19459.	14.8	26167.
37-25-00	100-55-00	0.	17.1	1145.	15.6	6865.	13.1	9664.	13.9	16878.	13.6	19459.	14.8	26167.
37-25-00	101-05-00	0.	15.1	3139.	15.7	8229.	13.5	10737.	13.3	14736.	13.6	18108.	14.5	21621.
37-25-00	101-15-00	1000.	15.1	1754.	15.9	4785.	13.5	7723.	12.8	10774.	14.2	15575.	13.8	19556.
37-25-00	101-25-00	1000.	15.1	3508.	15.9	8769.	13.5	13244.	12.8	17563.	14.2	22928.	13.8	28257.
37-25-00	101-35-00	0.	12.3	3069.	18.4	6461.	13.1	11151.	13.9	16984.	13.7	22794.	14.7	24031.
37-25-00	101-45-00	0.	12.3	1499.	18.4	4650.	13.1	7160.	13.9	10077.	13.7	11033.	14.7	11109.
37-25-00	101-55-00	0.	12.3	856.	18.4	2325.	13.1	3068.	13.9	5758.	13.7	7050.	14.7	5786.
37-25-00	102-05-00	0.	24.5	114.	18.6	1112.	14.9	3321.	13.7	4296.	14.9	5900.	14.5	5148.
37-25-00	102-15-00	20.	24.5	73.	18.6	302.	14.9	820.	13.7	911.	14.9	1233.	14.5	1028.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
37-25-00	102-25-00	20.	24.5	73.	18.6	302.	14.9	820.	13.7	911.	14.9	1233.	14.5	1028.
37-25-00	102-35-00	7.	24.5	24.	18.6	101.	14.9	273.	13.7	304.	14.9	411.	14.5	343.
37-25-00	102-45-00	7.	24.5	24.	18.6	101.	14.9	273.	13.7	304.	14.9	411.	14.5	343.
37-25-00	102-55-00	0.	24.5	0.	18.6	0.	14.9	0.	13.7	0.	14.9	0.	14.5	0.
37-35-00	97-55-00	0.	20.0	0.	23.9	0.	20.0	0.	18.0	0.	15.6	0.	16.0	0.
37-35-00	98-05-00	0.	23.0	0.	23.1	125.	21.7	134.	18.0	221.	15.6	796.	16.0	1717.
37-35-00	98-15-00	0.	23.0	0.	23.1	29.	21.7	124.	18.0	177.	15.6	348.	16.0	859.
37-35-00	98-25-00	0.	23.0	357.	23.1	419.	21.7	323.	18.0	428.	15.6	1192.	16.0	2734.
37-35-00	98-35-00	0.	26.3	150.	21.4	757.	17.4	781.	15.3	1067.	14.3	2365.	17.4	6102.
37-35-00	98-45-00	0.	26.3	58.	21.4	271.	17.4	325.	15.3	444.	14.3	1379.	17.4	4068.
37-35-00	98-55-00	0.	26.3	184.	21.4	811.	17.4	976.	15.3	1333.	14.3	2759.	17.4	7119.
37-35-00	99-05-00	0.	27.3	103.	27.8	1192.	18.5	1242.	16.7	1977.	14.9	3472.	16.0	8399.
37-35-00	99-15-00	0.	27.3	79.	27.8	624.	18.5	784.	16.7	1279.	14.9	2083.	16.0	5304.
37-35-00	99-25-00	0.	27.3	163.	27.8	1249.	18.5	1503.	16.7	2559.	14.9	3992.	16.0	10167.
37-35-00	99-35-00	0.	13.6	2870.	20.9	3741.	17.0	2550.	15.9	5532.	14.0	7351.	15.7	14535.
37-35-00	99-45-00	300.	13.6	482.	20.9	597.	17.0	445.	15.9	633.	14.0	759.	15.7	2175.
37-35-00	99-55-00	120.	13.6	120.	20.9	149.	17.0	445.	15.9	633.	14.0	759.	15.7	1450.
37-35-00	100-05-00	127.	13.6	120.	20.9	149.	17.0	152.	15.9	317.	14.0	379.	15.7	725.
37-35-00	100-15-00	0.	26.3	386.	17.1	682.	14.6	746.	14.2	2036.	15.5	2490.	15.4	4664.
37-35-00	100-25-00	0.	26.3	483.	17.1	1227.	14.6	1398.	14.2	4618.	15.5	8110.	15.4	10582.
37-35-00	100-35-00	0.	26.3	1015.	17.1	4050.	14.6	5811.	14.2	12686.	15.5	22549.	15.4	28701.
37-35-00	100-45-00	916.	17.1	2247.	15.6	11722.	13.1	15941.	13.9	27445.	13.0	31646.	14.8	37687.
37-35-00	100-55-00	916.	17.1	2010.	15.6	11722.	13.1	15941.	13.9	23703.	13.0	30064.	14.8	35803.
37-35-00	101-05-00	1000.	16.1	3244.	15.7	8437.	13.5	14442.	12.8	20796.	13.6	24999.	13.3	29650.
37-35-00	101-15-00	3260.	15.1	3866.	15.9	6156.	13.5	10340.	12.8	11648.	14.2	12341.	13.3	15697.
37-35-00	101-25-00	4261.	15.1	5075.	15.9	11365.	13.5	16988.	12.8	19967.	14.2	24682.	13.3	29151.
37-35-00	101-35-00	2497.	12.3	2732.	18.4	9102.	13.1	13791.	13.9	18757.	13.7	31311.	14.8	34105.
37-35-00	101-45-00	3000.	12.3	5435.	18.4	11513.	13.1	21903.	13.9	24680.	13.7	32616.	14.8	31481.
37-35-00	101-55-00	0.	12.3	1499.	18.4	5277.	13.1	11357.	13.9	13821.	13.7	16960.	14.8	17052.
37-35-00	102-05-00	0.	24.5	0.	18.6	0.	14.9	811.	13.7	987.	14.9	1305.	14.5	1312.
37-35-00	102-15-00	20.	24.5	24.	18.6	101.	14.9	273.	13.7	304.	14.9	411.	14.5	343.
37-35-00	102-25-00	11.	24.5	41.	18.6	168.	14.9	455.	13.7	506.	14.9	685.	14.5	571.
37-35-00	102-35-00	22.	24.5	82.	18.6	336.	14.9	911.	13.7	1012.	14.9	1370.	14.5	1142.
37-35-00	102-45-00	0.	24.5	0.	18.6	0.	14.9	0.	13.7	0.	14.9	0.	14.5	0.
37-45-00	97-25-00	0.	18.0	0.	12.2	0.	20.0	0.	15.9	0.	14.1	0.	13.5	0.
37-45-00	97-35-00	0.	18.0	0.	12.2	0.	20.0	0.	15.9	0.	14.1	0.	13.5	0.
37-45-00	97-55-00	0.	20.0	0.	20.9	116.	20.0	138.	16.9	214.	13.3	384.	13.3	1029.
37-45-00	98-05-00	0.	23.0	0.	20.9	252.	19.5	344.	16.9	434.	13.3	927.	13.3	2516.
37-45-00	98-15-00	0.	23.0	363.	20.9	754.	19.5	568.	16.9	646.	13.3	1183.	13.3	2715.
37-45-00	98-25-00	0.	23.0	543.	20.9	925.	19.5	938.	16.9	1089.	13.3	1793.	13.3	3424.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
37-45-00	98-35-00	0.	26.3	81.	21.4	433.	17.4	455.	15.0	622.	14.3	1379.	17.4	3559.
37-45-00	98-45-00	0.	26.3	230.	21.4	1190.	17.4	1561.	15.0	2133.	14.3	5123.	17.4	12712.
37-45-00	98-55-00	0.	26.3	391.	21.4	1839.	17.4	2082.	15.0	2933.	14.3	6109.	17.4	15254.
37-45-00	99-05-00	0.	26.8	311.	27.8	1671.	16.5	1570.	16.5	2766.	14.8	4542.	15.9	10335.
37-45-00	99-15-00	0.	26.8	441.	27.8	1875.	16.5	1649.	16.5	3022.	14.8	4788.	15.9	10777.
37-45-00	99-25-00	0.	26.8	404.	27.8	2225.	16.5	2146.	16.5	3906.	14.8	6640.	15.9	15723.
37-45-00	99-35-00	0.	13.6	881.	20.9	1651.	17.0	1672.	15.9	3422.	14.0	3834.	15.7	8964.
37-45-00	99-45-00	300.	13.6	300.	20.9	895.	17.0	850.	15.9	1583.	14.0	1897.	15.7	3625.
37-45-00	99-55-00	0.	13.6	0.	20.9	0.	17.0	283.	15.9	633.	14.0	759.	15.7	1450.
37-45-00	100-05-00	0.	13.6	0.	20.9	0.	17.0	152.	15.9	317.	14.0	379.	15.7	725.
37-45-00	100-15-00	16.	24.0	1701.	17.1	4165.	14.6	5622.	14.2	11857.	15.5	17643.	15.4	26433.
37-45-00	100-25-00	783.	26.3	1460.	17.1	5900.	14.6	6988.	14.2	17701.	15.5	32439.	15.4	40563.
37-45-00	100-35-00	0.	26.3	1063.	17.1	8108.	14.6	7559.	14.2	17701.	15.5	35107.	15.4	45934.
37-45-00	100-45-00	1010.	17.1	8911.	17.3	24193.	13.5	26260.	14.7	39628.	14.7	42459.	15.3	59127.
37-45-00	100-55-00	2414.	17.1	8911.	17.3	16319.	13.5	18472.	14.7	25993.	14.7	29143.	15.3	39498.
37-45-00	101-05-00	1000.	16.1	8294.	19.3	14828.	14.0	15026.	14.8	16695.	14.9	21394.	14.5	28075.
37-45-00	101-15-00	1659.	15.1	6468.	17.7	13529.	14.0	14366.	14.5	18093.	15.2	22662.	14.4	27288.
37-45-00	101-25-00	0.	15.1	1221.	17.7	2985.	14.0	3165.	14.5	6402.	15.2	9181.	14.4	9995.
37-45-00	101-35-00	0.	12.3	2014.	19.8	3506.	15.5	4323.	14.5	4880.	16.4	6348.	16.0	8462.
37-45-00	101-45-00	0.	12.3	3952.	19.8	5745.	15.5	5971.	14.5	6406.	16.4	6209.	16.0	8231.
37-45-00	101-55-00	0.	12.3	5034.	19.8	9830.	15.5	13125.	14.5	12811.	16.4	12557.	16.0	16462.
37-45-00	102-05-00	0.	23.0	493.	19.0	1780.	15.5	2918.	14.0	2321.	14.6	2679.	14.3	3476.
37-45-00	102-15-00	0.	23.0	0.	19.0	0.	15.5	0.	14.0	0.	14.6	0.	14.3	0.
37-45-00	102-25-00	0.	23.0	0.	19.0	0.	15.5	0.	14.0	0.	14.6	0.	14.3	0.
37-45-00	102-35-00	0.	23.0	0.	19.0	0.	15.5	0.	14.0	0.	14.6	0.	14.3	0.
37-55-00	97-25-00	0.	18.0	0.	12.2	0.	20.0	0.	15.9	0.	14.1	0.	12.8	0.
37-55-00	97-35-00	0.	18.0	0.	12.2	0.	20.0	0.	15.9	0.	14.1	0.	12.8	0.
37-55-00	98-05-00	0.	27.0	0.	20.9	145.	17.5	385.	16.9	418.	13.3	1234.	13.3	2996.
37-55-00	98-15-00	0.	27.0	837.	20.9	1163.	17.5	914.	16.9	377.	13.3	1587.	13.3	3198.
37-55-00	98-25-00	0.	27.0	1274.	20.9	1685.	17.5	1412.	16.9	932.	13.3	2527.	13.3	7221.
37-55-00	98-35-00	0.	25.3	96.	18.7	388.	17.4	578.	15.0	500.	13.4	2119.	15.8	11805.
37-55-00	98-45-00	0.	25.3	144.	18.7	1077.	17.4	1540.	15.0	2000.	13.4	5652.	15.8	28858.
37-55-00	98-55-00	0.	25.3	175.	18.7	516.	17.4	770.	15.0	5806.	13.4	2326.	15.8	15741.
37-55-00	99-05-00	0.	26.8	501.	21.3	1620.	14.5	1336.	16.3	2648.	14.8	4181.	15.8	9303.
37-55-00	99-15-00	0.	26.8	801.	21.3	3060.	14.5	2593.	16.3	4600.	14.8	7869.	15.8	17512.
37-55-00	99-25-00	0.	26.8	200.	21.3	720.	14.5	786.	16.3	1394.	14.8	2459.	15.8	5472.
37-55-00	99-35-00	0.	14.6	301.	20.9	1038.	16.3	1800.	15.5	3556.	14.0	3478.	15.7	6985.
37-55-00	99-45-00	0.	14.6	145.	20.9	549.	16.3	856.	15.5	1404.	14.0	1625.	15.7	2835.
37-55-00	99-55-00	0.	14.6	1080.	20.9	1863.	16.3	2885.	15.5	4984.	14.0	1541.	15.7	9671.
37-55-00	100-05-00	0.	14.6	1350.	20.5	1822.	16.5	2409.	14.9	4365.	14.6	4495.	15.5	5998.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
37-55-00	100-15-00	0.	17.0	946.	19.3	1920.	14.6	1848.	14.2	4031.	15.5	5411.	15.4	8473.
37-55-00	100-25-00	0.	26.3	845.	19.3	3496.	14.6	3634.	14.2	8466.	15.5	16220.	15.4	21163.
37-55-00	100-35-00	782.	26.3	1121.	19.3	3150.	14.6	3354.	14.2	9236.	15.5	17571.	15.4	22927.
37-55-00	100-45-00	6800.	17.1	7198.	19.3	13702.	14.4	14274.	15.6	19198.	14.7	21712.	15.7	29768.
37-55-00	100-55-00	500.	17.1	1199.	19.3	2570.	14.4	2676.	15.6	3600.	14.7	5428.	15.7	7938.
37-55-00	101-05-00	1000.	17.3	1100.	19.3	1329.	14.4	2549.	15.6	3323.	14.9	4274.	15.6	5872.
37-55-00	101-15-00	2000.	17.3	2290.	17.7	4833.	14.0	4873.	16.0	6297.	15.2	11326.	15.5	13636.
37-55-00	101-25-00	100.	17.3	114.	17.7	241.	14.0	542.	16.0	663.	15.2	1258.	15.5	1604.
37-55-00	101-35-00	0.	18.5	0.	19.8	99.	15.5	134.	15.3	121.	16.4	154.	17.1	251.
37-55-00	101-45-00	0.	18.5	0.	19.8	0.	15.5	0.	15.3	0.	16.4	0.	17.1	0.
37-55-00	101-55-00	0.	18.5	183.	19.8	200.	15.5	270.	15.3	161.	16.4	159.	17.1	501.
37-55-00	102-05-00	0.	23.0	814.	19.0	980.	15.5	2101.	14.0	1636.	14.6	1492.	14.3	2350.
37-55-00	102-15-00	0.	23.0	0.	19.0	0.	15.5	0.	14.0	0.	14.6	0.	14.3	0.
38-05-00	97-25-00	0.	21.0	0.	20.5	0.	15.4	0.	17.5	0.	12.9	0.	12.8	0.
38-05-00	97-35-00	0.	21.0	0.	20.5	0.	15.4	0.	17.5	0.	12.9	4054.	12.8	12013.
38-05-00	97-45-00	0.	21.0	0.	20.9	0.	17.5	0.	16.9	0.	13.3	0.	13.3	0.
38-05-00	97-55-00	0.	21.0	0.	20.9	49.	17.5	48.	16.9	77.	13.3	88.	13.3	200.
38-05-00	98-05-00	0.	21.0	0.	20.9	0.	17.5	193.	16.9	209.	13.3	264.	13.3	800.
38-05-00	98-15-00	0.	21.0	0.	20.9	49.	17.5	48.	16.9	77.	13.3	88.	13.3	200.
38-05-00	98-25-00	0.	23.0	112.	20.9	145.	17.5	144.	16.9	232.	13.3	264.	13.3	600.
38-05-00	98-35-00	0.	25.3	29.	18.7	86.	18.6	257.	15.0	500.	13.4	942.	15.8	1701.
38-05-00	98-45-00	0.	25.3	163.	18.7	646.	18.6	1091.	15.0	2000.	13.4	4003.	15.8	6805.
38-05-00	98-55-00	0.	25.3	1376.	18.7	3197.	18.6	3138.	15.0	5574.	14.4	6864.	15.4	13549.
38-05-00	99-05-00	0.	22.6	1370.	16.9	3885.	15.1	3971.	14.8	6794.	14.4	10595.	15.4	16039.
38-05-00	99-15-00	0.	22.6	886.	16.9	1214.	15.1	1281.	14.8	2491.	14.4	5101.	15.4	7447.
38-05-00	99-25-00	0.	22.6	244.	16.9	562.	15.1	560.	14.8	1111.	14.4	1669.	15.4	2813.
38-05-00	99-35-00	0.	15.6	571.	20.0	537.	15.7	722.	15.1	988.	15.1	1449.	15.3	2221.
38-05-00	99-45-00	0.	15.6	2701.	20.0	2712.	15.7	2574.	15.1	4090.	15.1	4379.	15.3	5943.
38-05-00	99-55-00	0.	15.6	150.	20.0	82.	15.7	495.	15.1	909.	15.1	1135.	15.3	1761.
38-05-00	100-05-00	0.	15.6	525.	20.0	406.	15.7	693.	15.1	909.	14.7	3146.	15.3	1101.
38-05-00	100-45-00	4091.	17.1	6098.	19.3	15415.	14.4	17366.	15.6	21598.	14.7	23069.	15.7	31752.
38-05-00	100-55-00	3723.	17.1	3999.	19.3	7707.	14.4	8682.	15.6	9599.	14.7	12213.	15.7	15876.
38-05-00	101-05-00	1798.	17.3	2447.	19.3	2658.	14.0	3472.	15.8	5169.	14.9	6153.	15.5	8314.
38-05-00	101-15-00	1200.	17.3	1488.	17.7	3624.	14.0	3520.	16.0	4641.	15.2	7739.	15.5	10348.
38-05-00	101-25-00	1000.	17.3	1374.	17.7	2417.	14.0	2437.	16.0	2960.	15.2	5159.	15.5	6898.
38-05-00	101-35-00	0.	18.5	0.	19.8	0.	15.5	0.	15.3	0.	14.4	0.	17.1	0.
38-05-00	101-45-00	0.	18.5	0.	19.8	0.	15.5	0.	15.3	0.	14.4	0.	17.1	0.
38-05-00	101-55-00	0.	18.5	0.	19.8	0.	15.5	0.	15.3	0.	14.4	0.	17.1	0.
38-15-00	97-25-00	0.	21.0	0.	15.2	0.	12.8	0.	14.5	0.	12.5	0.	12.6	0.
38-15-00	97-35-00	0.	21.0	0.	15.2	0.	12.8	0.	14.5	0.	12.5	0.	12.6	0.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
38-15-00	97-45-00	0.	21.0	0.	15.2	0.	12.8	0.	14.5	0.	12.5	0.	12.6	0.
38-15-00	97-55-00	0.	21.0	0.	15.2	0.	12.8	0.	14.5	0.	12.5	0.	12.6	0.
38-15-00	98-05-00	0.	20.0	72.	12.3	467.	21.7	533.	16.9	864.	15.0	1107.	14.6	2685.
38-15-00	98-15-00	0.	20.0	197.	12.3	1401.	21.7	2165.	16.9	3506.	15.0	4242.	14.6	9890.
38-15-00	98-25-00	0.	20.0	99.	12.3	461.	21.7	439.	16.9	833.	15.0	959.	14.6	2175.
38-15-00	98-35-00	0.	25.3	902.	18.7	1235.	17.0	1169.	14.0	2094.	13.4	3621.	14.8	5917.
38-15-00	98-45-00	0.	25.3	1002.	18.7	1340.	17.0	1494.	14.0	2831.	13.4	4990.	14.8	8114.
38-15-00	98-55-00	0.	25.3	2000.	18.7	3603.	17.0	3523.	14.0	6012.	14.4	9645.	14.8	15200.
38-15-00	99-05-00	0.	22.6	572.	16.9	1457.	15.1	1472.	14.8	2265.	14.4	3924.	15.4	5728.
38-15-00	100-35-00	0.	20.0	0.	19.3	0.	14.4	0.	15.6	0.	14.7	0.	15.7	0.
38-15-00	100-45-00	4000.	15.0	3523.	19.3	5322.	14.4	7031.	15.6	8197.	14.7	9002.	15.7	7807.
38-15-00	100-55-00	15122.	15.0	15989.	19.3	19828.	14.4	25717.	15.6	25173.	14.7	28439.	15.7	27634.
38-15-00	101-05-00	0.	14.0	622.	19.3	2355.	14.0	2922.	15.0	2401.	14.2	2529.	15.5	2171.
38-15-00	101-15-00	0.	15.3	0.	17.7	0.	14.0	0.	15.0	0.	14.2	0.	15.5	0.
38-15-00	101-25-00	0.	15.3	0.	17.7	0.	14.0	943.	15.0	1151.	14.2	1569.	15.5	1787.
38-15-00	101-35-00	0.	19.0	0.	19.8	0.	15.5	230.	14.9	336.	15.5	342.	17.1	456.
38-15-00	101-45-00	0.	19.5	0.	19.8	0.	15.5	0.	14.9	0.	15.5	0.	17.1	0.
38-15-00	101-55-00	0.	19.5	0.	19.8	0.	15.5	0.	14.9	0.	15.5	0.	17.1	0.
38-15-00	102-05-00	0.	19.0	0.	19.5	0.	17.6	0.	14.5	0.	14.4	0.	14.0	0.
38-15-00	102-15-00	0.	20.0	0.	18.5	0.	17.6	0.	14.5	0.	14.4	0.	14.0	0.
38-25-00	97-25-00	0.	21.0	0.	15.2	0.	12.8	0.	14.5	0.	12.5	0.	12.6	0.
38-25-00	97-35-00	0.	21.0	0.	15.2	0.	12.8	0.	14.5	0.	12.5	0.	12.6	0.
38-25-00	97-45-00	0.	21.0	0.	15.2	0.	12.8	0.	14.5	0.	12.5	0.	12.6	0.
38-25-00	98-15-00	0.	20.0	0.	12.3	0.	21.7	0.	16.9	0.	15.0	61.	14.6	141.
38-25-00	98-25-00	0.	20.0	0.	12.3	0.	21.7	0.	16.9	0.	15.0	0.	14.6	0.
38-25-00	98-35-00	0.	23.5	181.	17.8	311.	16.0	328.	13.0	609.	13.6	1545.	14.8	2356.
38-25-00	98-45-00	0.	23.5	498.	17.8	871.	16.0	1244.	13.0	2194.	13.6	4636.	14.8	7404.
38-25-00	98-55-00	0.	23.5	770.	17.8	1244.	16.0	1702.	13.0	3047.	13.6	5740.	14.8	8413.
38-25-00	100-15-00	0.	25.6	0.	15.7	0.	14.7	0.	14.5	0.	15.1	0.	15.3	0.
38-25-00	100-25-00	0.	25.6	0.	15.7	1286.	14.7	1090.	14.5	1788.	15.1	2151.	15.4	2920.
38-25-00	100-35-00	0.	25.6	0.	15.7	0.	14.7	0.	14.5	0.	15.1	0.	15.4	1572.
38-25-00	100-45-00	0.	12.6	8224.	14.4	5802.	13.1	6522.	13.6	6593.	13.6	7083.	13.9	5211.
38-25-00	100-55-00	5000.	12.6	6658.	14.4	7912.	13.1	9421.	13.8	8058.	13.6	8854.	13.9	8189.
38-25-00	101-05-00	0.	13.0	4420.	14.4	4808.	13.1	7967.	13.6	9809.	13.9	12813.	14.9	11917.
38-25-00	101-15-00	0.	13.3	6061.	16.6	6136.	13.7	12281.	14.2	12256.	14.3	12038.	15.9	13437.
38-25-00	101-25-00	0.	13.3	2462.	16.6	6136.	13.7	7224.	14.2	11381.	14.3	16416.	15.9	16796.
38-25-00	101-35-00	0.	21.6	0.	20.0	0.	17.1	1433.	14.4	3834.	14.6	3454.	15.0	3613.
38-25-00	101-45-00	0.	21.6	0.	20.0	0.	17.1	0.	14.4	0.	14.6	0.	15.0	0.
38-25-00	101-55-00	0.	21.6	0.	20.0	0.	17.1	0.	14.4	0.	14.6	0.	15.0	0.
38-25-00	102-05-00	0.	20.0	0.	18.5	0.	17.6	0.	14.5	0.	14.4	0.	14.0	0.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
38-25-00	102-15-00	0.	20.0	0.	18.5	0.	17.6	0.	14.5	0.	14.4	0.	14.0	0.
38-35-00	98-25-00	0.	22.0	0.	12.3	0.	21.7	0.	16.9	0.	15.0	0.	14.6	0.
38-35-00	99-45-00	0.	23.0	0.	20.0	0.	15.7	0.	15.0	0.	15.1	0.	15.2	1101.
38-35-00	99-55-00	0.	23.0	0.	20.0	0.	15.7	0.	15.0	0.	15.1	0.	15.2	0.
38-35-00	100-05-00	0.	20.0	0.	16.0	0.	15.5	0.	15.7	0.	15.5	0.	15.2	0.
38-35-00	100-15-00	0.	23.0	0.	15.7	322.	14.7	545.	14.5	841.	15.1	3227.	14.8	4492.
38-35-00	100-25-00	0.	25.6	0.	15.7	1875.	14.7	1635.	14.5	3230.	15.1	3227.	14.8	4492.
38-35-00	100-35-00	0.	25.6	1082.	15.7	1875.	14.7	2726.	14.5	4659.	15.1	3749.	14.8	8985.
38-35-00	100-45-00	0.	12.6	1567.	14.4	2110.	13.1	2174.	13.8	2196.	13.6	2656.	13.9	1485.
38-35-00	100-55-00	0.	12.6	0.	14.4	4747.	13.1	5798.	13.8	5128.	13.6	6198.	13.9	6700.
38-35-00	101-05-00	0.	13.0	0.	14.4	4808.	13.1	12313.	13.8	15079.	13.9	20991.	14.9	18993.
38-35-00	101-15-00	0.	13.3	6061.	16.6	17850.	13.7	21672.	14.2	25387.	14.3	35020.	15.9	35832.
38-35-00	101-25-00	0.	13.3	2841.	16.6	10598.	13.7	18060.	14.2	22761.	14.3	28454.	15.9	27994.
38-35-00	101-35-00	0.	21.6	0.	20.0	10257.	17.1	8243.	14.4	13352.	14.6	14674.	15.0	15623.
38-35-00	101-45-00	0.	21.6	0.	20.0	0.	17.1	0.	14.4	0.	14.6	0.	15.0	0.
38-35-00	101-55-00	0.	21.6	0.	20.0	0.	17.1	0.	14.4	0.	14.6	0.	15.0	0.
38-35-00	102-05-00	0.	20.0	0.	18.5	0.	17.6	0.	14.5	0.	14.4	0.	14.0	0.
38-35-00	102-15-00	0.	20.0	0.	18.5	0.	17.6	0.	14.5	0.	14.4	0.	14.0	0.
38-35-00	102-25-00	0.	20.0	0.	18.5	0.	17.6	0.	14.5	0.	14.4	0.	14.0	0.
38-45-00	101-15-00	0.	18.0	0.	13.3	1854.	14.4	1486.	13.6	2193.	14.5	2993.	14.7	3114.
38-45-00	101-25-00	0.	18.0	0.	13.3	785.	14.4	1249.	13.6	1557.	14.5	3226.	14.7	3317.
38-45-00	101-35-00	0.	21.6	0.	21.4	4677.	13.0	8531.	14.4	17915.	14.0	26542.	14.7	30091.
38-45-00	101-45-00	0.	21.6	319.	21.4	543.	13.0	5861.	14.4	13082.	14.0	15846.	14.7	18328.
38-45-00	101-55-00	0.	21.6	0.	21.4	2000.	13.0	4791.	14.4	7199.	14.0	8175.	14.7	9714.
38-45-00	102-05-00	0.	20.0	0.	18.5	45.	17.6	1655.	14.5	3725.	14.4	5242.	14.0	4525.
38-45-00	102-15-00	0.	20.0	0.	18.5	0.	17.6	357.	14.5	436.	14.4	873.	14.0	1236.
38-45-00	102-25-00	0.	20.0	71.	18.5	80.	17.6	357.	14.5	1222.	14.4	3493.	14.0	3460.
38-45-00	102-35-00	0.	20.0	0.	18.5	0.	17.6	0.	14.5	0.	14.4	0.	14.0	0.
38-55-00	99-45-00	0.	24.1	0.	24.1	0.	24.1	0.	15.6	0.	14.2	0.	15.0	0.
38-55-00	99-55-00	0.	24.1	0.	24.1	0.	24.1	0.	15.6	0.	14.2	0.	15.0	0.
38-55-00	102-05-00	0.	20.0	319.	18.5	1827.	17.6	1919.	14.5	3951.	14.4	6519.	14.0	9154.
38-55-00	102-15-00	0.	20.0	71.	18.5	45.	17.6	250.	14.5	262.	14.4	1747.	14.0	3213.
38-55-00	102-25-00	0.	20.0	142.	18.5	80.	17.6	464.	14.5	1135.	14.4	1747.	14.0	2471.
38-55-00	102-35-00	0.	20.0	0.	18.5	0.	17.6	357.	14.5	960.	14.4	1048.	14.0	1236.
39-05-00	99-35-00	0.	24.1	0.	24.1	0.	24.1	0.	15.6	0.	14.2	0.	15.0	0.
39-05-00	99-45-00	0.	24.1	0.	24.1	0.	24.1	0.	15.6	0.	14.2	0.	15.0	0.
39-05-00	99-55-00	0.	24.1	0.	24.1	0.	24.1	0.	15.6	0.	14.2	0.	15.0	0.
39-05-00	100-05-00	0.	24.1	0.	24.1	0.	24.1	1792.	15.6	1074.	14.2	1200.	15.0	1643.
39-05-00	100-15-00	0.	20.0	378.	22.4	1414.	17.7	1367.	15.0	4762.	14.3	8626.	14.7	8656.
39-05-00	100-25-00	45.	20.0	209.	22.4	902.	17.7	947.	15.0	3258.	14.3	5788.	14.7	5765.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
39-05-00	100-35-00	45.	20.0	169.	22.4	369.	17.7	631.	15.0	2885.	14.3	5156.	14.7	5348.
39-05-00	100-45-00	0.	20.0	404.	22.4	745.	17.7	1753.	15.0	3615.	14.3	5420.	14.7	5821.
39-05-00	100-55-00	0.	20.0	1017.	13.3	1176.	14.4	3090.	13.6	5375.	14.5	7580.	14.7	7535.
39-05-00	101-05-00	0.	22.0	0.	13.3	148.	14.4	572.	13.6	811.	14.5	1085.	14.7	1064.
39-05-00	101-15-00	0.	22.0	0.	13.3	0.	14.4	64.	13.6	101.	14.5	136.	14.7	133.
39-05-00	101-25-00	0.	22.0	546.	13.3	1505.	14.4	1286.	13.6	1152.	14.5	1454.	14.7	1533.
39-05-00	101-35-00	0.	21.6	246.	21.4	466.	13.0	417.	14.4	341.	14.0	1009.	14.7	1203.
39-05-00	101-45-00	0.	21.6	0.	21.4	0.	13.0	0.	14.4	0.	14.0	0.	14.7	0.
39-05-00	101-55-00	0.	21.6	761.	21.4	1124.	13.0	1461.	14.4	2047.	14.0	2521.	14.7	3009.
39-05-00	102-05-00	107.	15.1	308.	15.5	1371.	14.5	3454.	14.3	5418.	14.5	5979.	14.4	8237.
39-05-00	102-15-00	122.	15.1	352.	15.5	1137.	14.5	2828.	14.3	3274.	14.5	5145.	14.4	7527.
39-05-00	102-25-00	61.	15.1	176.	15.5	947.	14.5	2828.	14.3	3516.	14.5	5320.	14.4	7763.
39-05-00	102-35-00	61.	15.1	176.	15.5	838.	14.5	3185.	14.3	3953.	14.5	6737.	14.4	8010.
39-05-00	102-45-00	0.	15.1	0.	15.5	45.	14.5	1488.	14.3	2718.	14.5	4252.	14.4	4296.
39-05-00	102-55-00	0.	15.1	0.	15.5	0.	14.5	1697.	14.3	2879.	14.5	3728.	14.4	3407.
39-05-00	103-05-00	0.	15.1	0.	15.5	0.	14.5	0.	14.3	0.	14.5	0.	14.4	0.
39-15-00	99-15-00	0.	24.0	0.	23.5	0.	16.0	0.	16.0	0.	15.0	0.	15.5	0.
39-15-00	99-25-00	0.	24.0	0.	23.5	0.	16.0	0.	16.0	0.	15.0	0.	15.5	0.
39-15-00	99-35-00	0.	23.6	0.	22.5	0.	14.0	0.	15.5	0.	14.5	0.	15.0	0.
39-15-00	99-45-00	0.	23.6	0.	22.5	0.	14.0	0.	15.5	0.	14.5	0.	15.0	0.
39-15-00	99-55-00	0.	23.6	0.	22.5	0.	14.0	0.	15.5	0.	14.5	0.	15.0	0.
39-15-00	100-05-00	0.	23.6	545.	22.5	1401.	14.0	868.	15.5	1331.	14.5	3165.	14.6	3564.
39-15-00	100-15-00	0.	14.1	12.	19.5	123.	14.3	315.	12.9	526.	13.5	942.	14.7	1176.
39-15-00	100-25-00	42.	14.1	53.	19.5	554.	14.3	841.	12.9	1840.	13.5	3769.	14.7	4704.
39-15-00	100-35-00	0.	14.1	82.	19.5	616.	14.3	1577.	12.9	3417.	13.5	6595.	14.7	8281.
39-15-00	100-45-00	0.	16.0	0.	19.4	933.	14.9	1425.	13.3	4066.	14.9	6560.	14.4	8135.
39-15-00	100-55-00	270.	16.0	270.	19.4	1304.	14.9	1598.	13.3	4892.	14.9	7013.	14.4	10280.
39-15-00	101-05-00	0.	16.0	100.	19.4	961.	14.9	1300.	13.3	3475.	14.9	5610.	14.4	7710.
39-15-00	101-15-00	0.	16.0	17.	19.4	69.	14.9	100.	13.3	306.	14.9	468.	14.4	643.
39-15-00	101-25-00	0.	18.1	18.	19.1	262.	14.5	564.	15.4	1520.	14.2	2046.	14.2	2701.
39-15-00	101-35-00	0.	18.1	75.	19.1	579.	14.5	1161.	15.4	3036.	14.2	3157.	14.2	5147.
39-15-00	101-45-00	59.	18.1	103.	19.1	1158.	14.5	3483.	15.4	8500.	14.2	11837.	14.2	15441.
39-15-00	101-55-00	117.	18.1	178.	19.1	1833.	14.5	4412.	15.4	11536.	14.2	14994.	14.2	20588.
39-15-00	102-05-00	77.	15.1	276.	15.5	1026.	14.5	3424.	14.3	8038.	14.5	10159.	14.4	12180.
39-15-00	102-15-00	168.	15.1	483.	15.5	1101.	14.5	3960.	14.3	6032.	14.5	8698.	14.4	8439.
39-15-00	102-25-00	61.	15.1	176.	15.5	947.	14.5	2828.	14.3	4395.	14.5	6213.	14.4	5626.
39-15-00	102-35-00	31.	15.1	88.	15.5	568.	14.5	2263.	14.3	3516.	14.5	6213.	14.4	8439.
39-15-00	102-45-00	31.	15.1	88.	15.5	189.	14.5	1697.	14.3	2637.	14.5	3728.	14.4	5626.
39-15-00	102-55-00	107.	15.1	308.	15.5	568.	14.5	1697.	14.3	1879.	14.5	2485.	14.4	1407.
39-15-00	103-05-00	31.	15.1	88.	15.5	189.	14.5	566.	14.3	879.	14.5	2485.	14.4	1407.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
39-15-00	103-15-00	0.	15.0	0.	15.3	0.	15.0	0.	14.0	0.	15.0	0.	14.5	0.
39-15-00	103-25-00	0.	15.0	0.	15.3	0.	15.0	0.	14.0	0.	15.0	0.	14.5	0.
39-25-00	99-45-00	0.	23.6	0.	22.5	0.	14.0	0.	15.5	0.	14.5	0.	15.0	0.
39-25-00	99-55-00	0.	23.6	0.	22.5	0.	14.0	0.	15.5	0.	14.5	0.	15.0	0.
39-25-00	100-05-00	0.	23.6	0.	22.5	1401.	14.0	847.	15.5	1331.	14.5	3165.	14.6	3564.
39-25-00	100-15-00	0.	14.1	35.	19.5	369.	14.3	736.	12.9	1863.	13.5	3769.	14.7	4704.
39-25-00	100-25-00	0.	14.1	70.	19.5	1047.	14.3	1682.	12.9	3680.	13.5	6545.	14.7	8819.
39-25-00	100-35-00	0.	14.1	170.	19.5	1647.	14.3	3049.	12.9	6835.	13.5	12249.	14.7	15875.
39-25-00	100-45-00	0.	16.0	136.	19.4	1460.	14.9	2135.	13.3	6910.	14.9	9376.	14.4	12469.
39-25-00	100-55-00	0.	16.0	104.	19.4	824.	14.9	1300.	13.3	3669.	14.9	5610.	14.4	7710.
39-25-00	101-05-00	0.	16.0	96.	19.4	824.	14.9	1099.	13.3	3058.	14.9	5610.	14.4	7068.
39-25-00	101-15-00	0.	16.0	96.	19.4	892.	14.9	999.	13.3	2752.	14.9	4208.	14.4	5783.
39-25-00	101-25-00	0.	18.1	55.	19.1	620.	14.5	1361.	15.4	3346.	14.2	4881.	14.2	6045.
39-25-00	101-35-00	0.	18.1	75.	19.1	772.	14.5	1858.	15.4	4857.	14.2	6313.	14.2	8235.
39-25-00	101-45-00	0.	18.1	0.	19.1	1061.	14.5	2787.	15.4	7893.	14.2	11048.	14.2	14412.
39-25-00	101-55-00	117.	18.1	186.	19.1	965.	14.5	2555.	15.4	6072.	14.2	7102.	14.2	9265.
39-25-00	102-05-00	31.	15.1	107.	15.5	1026.	14.5	3757.	14.3	9789.	14.5	10613.	14.4	12180.
39-25-00	102-15-00	0.	15.1	0.	15.5	1016.	14.5	2828.	14.3	5274.	14.5	6213.	14.4	8439.
39-25-00	102-25-00	31.	15.1	88.	15.5	947.	14.5	2263.	14.3	4395.	14.5	7456.	14.4	8439.
39-25-00	102-35-00	61.	15.1	176.	15.5	758.	14.5	2263.	14.3	3516.	14.5	7456.	14.4	8439.
39-25-00	102-45-00	0.	15.1	0.	15.5	189.	14.5	1697.	14.3	1758.	14.5	3728.	14.4	4219.
39-25-00	102-55-00	122.	15.1	352.	15.5	947.	14.5	1697.	14.3	1758.	14.5	2485.	14.4	2813.
39-25-00	103-05-00	184.	15.1	528.	15.5	1000.	14.5	2263.	14.3	2637.	14.5	3728.	14.4	4220.
39-25-00	103-15-00	0.	15.0	0.	15.3	0.	15.0	0.	14.0	0.	15.0	0.	14.5	0.
39-25-00	103-25-00	0.	15.0	0.	15.3	0.	15.0	0.	14.0	0.	15.0	0.	14.5	0.
39-25-00	103-35-00	0.	15.0	0.	15.3	0.	15.0	0.	14.0	0.	15.0	0.	14.5	0.
39-25-00	103-45-00	0.	15.0	0.	15.3	0.	15.0	0.	14.0	0.	15.0	0.	14.5	0.
39-35-00	99-25-00	0.	16.5	0.	15.1	0.	14.5	0.	14.8	0.	14.4	0.	14.8	0.
39-35-00	99-35-00	0.	17.0	0.	15.1	0.	14.5	0.	14.8	0.	14.4	0.	14.8	0.
39-35-00	99-45-00	0.	14.6	0.	13.0	0.	14.8	0.	14.3	0.	14.4	0.	14.8	2283.
39-35-00	99-55-00	0.	14.6	0.	13.0	0.	14.8	0.	14.3	0.	14.4	0.	14.6	0.
39-35-00	100-05-00	0.	14.6	0.	13.0	0.	14.8	1082.	14.3	1631.	14.4	5182.	14.8	6246.
39-35-00	100-15-00	0.	18.3	33.	18.9	452.	16.2	615.	14.6	879.	15.3	1092.	15.0	1532.
39-35-00	100-25-00	0.	18.3	193.	18.9	1077.	16.2	947.	14.6	1110.	15.3	1718.	15.0	2355.
39-35-00	100-35-00	0.	18.3	486.	18.9	2066.	16.2	3019.	14.6	4056.	15.3	4760.	15.0	6478.
39-35-00	100-45-00	0.	18.3	191.	18.9	920.	15.4	1011.	15.1	1707.	14.7	1903.	14.8	2177.
39-35-00	100-55-00	0.	20.0	50.	17.4	203.	15.4	282.	15.1	723.	14.7	842.	14.8	1139.
39-35-00	101-05-00	0.	18.0	340.	18.4	911.	15.1	1121.	15.1	2691.	14.7	3615.	14.8	4886.
39-35-00	101-15-00	0.	18.0	142.	18.4	472.	15.1	656.	15.1	1446.	14.7	1808.	14.8	2606.
39-35-00	101-25-00	0.	22.3	149.	18.4	1460.	14.9	1879.	14.1	4315.	14.5	6324.	14.6	7591.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
39-35-00	101-35-00	0.	22.3	121.	18.4	622.	14.9	1412.	14.1	3239.	14.5	4086.	14.6	5277.
39-35-00	101-45-00	0.	22.3	214.	18.4	1269.	14.9	2321.	14.1	5899.	14.5	7813.	14.6	9175.
39-35-00	101-55-00	0.	22.3	214.	18.4	1030.	14.9	2050.	14.1	4424.	14.5	5591.	14.6	6767.
39-35-00	102-05-00	0.	16.3	306.	18.8	1259.	15.2	3304.	15.6	5313.	14.9	11047.	14.6	14077.
39-35-00	102-15-00	76.	16.3	361.	18.8	1125.	15.2	3304.	15.6	5313.	14.9	8921.	14.6	12156.
39-35-00	102-25-00	76.	16.3	361.	18.8	1365.	15.2	2355.	15.6	6205.	14.9	9409.	14.6	14801.
39-35-00	102-35-00	31.	16.3	300.	18.8	607.	15.2	1805.	15.6	6218.	14.9	9409.	14.6	17446.
39-35-00	102-45-00	31.	16.3	229.	18.8	651.	15.2	1805.	15.6	8677.	14.9	11201.	14.6	15834.
39-35-00	102-55-00	3538.	14.3	4961.	15.6	2871.	15.0	4991.	15.3	7834.	14.8	7974.	14.7	8353.
39-35-00	103-05-00	575.	14.3	851.	15.6	909.	15.0	1305.	15.3	3384.	14.8	2955.	14.7	6946.
39-35-00	103-15-00	0.	14.3	0.	15.6	0.	15.0	1131.	15.3	1200.	14.8	1242.	14.7	1407.
39-35-00	103-25-00	54.	14.3	76.	15.6	144.	15.0	90.	15.3	200.	14.8	274.	14.7	517.
39-35-00	103-35-00	0.	14.3	0.	15.6	0.	15.0	0.	15.3	0.	14.8	0.	14.7	0.
39-45-00	99-45-00	0.	14.6	0.	13.0	0.	14.8	0.	14.3	0.	14.4	0.	14.8	0.
39-45-00	99-55-00	0.	14.6	0.	13.0	0.	14.8	0.	14.3	0.	14.4	0.	14.8	0.
39-45-00	100-05-00	0.	14.6	0.	13.0	0.	14.8	0.	14.3	0.	14.4	0.	14.8	0.
39-45-00	100-15-00	0.	16.3	0.	18.9	130.	16.2	113.	14.6	231.	15.3	233.	15.0	354.
39-45-00	100-25-00	0.	18.3	0.	18.9	0.	16.2	227.	14.6	462.	15.3	465.	15.0	706.
39-45-00	100-35-00	0.	18.3	0.	18.9	0.	16.2	227.	14.6	616.	15.3	1008.	15.0	1533.
39-45-00	100-45-00	0.	20.0	0.	17.4	0.	15.4	102.	15.1	181.	14.7	202.	14.8	283.
39-45-00	100-55-00	0.	20.0	125.	17.4	134.	15.4	228.	15.1	417.	14.7	499.	14.8	662.
39-45-00	101-05-00	0.	20.0	266.	17.4	369.	15.4	456.	15.1	1044.	14.7	1670.	14.8	2812.
39-45-00	101-15-00	0.	20.0	187.	17.4	503.	15.4	639.	15.1	1252.	14.7	1371.	14.8	1819.
39-45-00	101-25-00	0.	22.3	520.	17.7	1538.	15.4	2717.	14.1	5647.	14.5	6449.	14.6	8624.
39-45-00	101-35-00	0.	22.3	198.	17.7	930.	15.4	1760.	14.1	3181.	14.5	3582.	14.6	4598.
39-45-00	101-45-00	432.	22.3	498.	17.7	930.	15.4	1489.	14.1	3181.	14.5	3940.	14.6	5058.
39-45-00	101-55-00	0.	22.3	161.	17.7	787.	15.4	1218.	14.1	2314.	14.5	3224.	14.6	3678.
39-45-00	102-05-00	0.	17.6	188.	18.8	418.	15.2	868.	15.6	1784.	14.9	7700.	14.6	11155.
39-45-00	102-15-00	0.	17.6	188.	18.8	501.	15.2	868.	15.6	4460.	14.9	6924.	14.6	10581.
39-45-00	102-25-00	0.	17.6	23.	18.8	167.	15.2	520.	15.6	892.	14.9	5193.	14.6	10581.
39-45-00	102-35-00	0.	17.6	47.	18.8	0.	15.2	108.	15.6	1784.	14.9	3462.	14.6	7936.
39-45-00	102-45-00	598.	17.6	1027.	18.8	780.	15.2	1062.	15.6	2597.	14.9	4011.	14.6	9483.
39-45-00	102-55-00	435.	14.3	611.	15.8	722.	15.0	813.	15.3	2026.	14.8	2470.	14.7	5683.
39-45-00	103-05-00	54.	14.3	76.	15.8	0.	15.0	181.	15.3	203.	14.8	549.	14.7	4133.
39-45-00	103-15-00	0.	14.3	0.	15.8	0.	15.0	0.	15.3	203.	14.8	274.	14.7	517.
39-55-00	99-05-00	0.	15.8	0.	15.1	0.	14.5	0.	14.8	0.	14.4	0.	14.8	0.
39-55-00	99-15-00	0.	15.8	0.	15.1	0.	14.5	0.	14.8	0.	14.4	0.	14.8	0.
39-55-00	99-25-00	0.	15.8	0.	15.1	0.	14.5	0.	14.8	0.	14.4	0.	14.8	0.
39-55-00	99-35-00	0.	15.8	0.	15.1	0.	14.5	0.	14.8	0.	14.4	0.	14.8	0.
39-55-00	99-45-00	0.	14.6	0.	13.0	0.	14.8	0.	14.3	0.	14.4	0.	14.8	0.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
39-55-00	99-55-00	0.	14.6	0.	13.0	0.	14.8	0.	14.3	0.	14.4	0.	14.8	0.
39-55-00	100-05-00	0.	14.6	2584.	13.0	3334.	14.8	2446.	14.3	3633.	14.4	3025.	14.8	3949.
39-55-00	100-15-00	0.	18.3	50.	18.9	130.	16.2	113.	14.6	77.	15.3	155.	15.0	234.
39-55-00	100-25-00	0.	18.3	50.	18.9	130.	16.2	397.	14.6	848.	15.3	1008.	15.0	1533.
39-55-00	100-35-00	0.	18.3	50.	16.9	130.	16.2	113.	14.6	231.	15.3	465.	15.0	826.
39-55-00	100-45-00	0.	20.0	40.	17.4	77.	15.4	102.	15.1	77.	14.7	202.	14.8	283.
39-55-00	100-55-00	0.	20.0	0.	17.4	0.	15.4	0.	15.1	313.	14.7	623.	14.8	827.
39-55-00	101-05-00	0.	20.0	0.	17.4	0.	15.4	0.	15.1	0.	14.7	0.	14.8	0.
39-55-00	101-15-00	0.	20.0	23.	17.4	134.	15.4	137.	15.1	417.	14.7	374.	14.8	662.
39-55-00	101-25-00	0.	22.3	0.	17.7	0.	15.4	46.	14.1	498.	14.5	608.	14.6	791.
39-55-00	101-35-00	0.	22.3	37.	17.7	72.	15.4	271.	14.1	1446.	14.5	1791.	14.6	2299.
39-55-00	101-45-00	0.	22.3	37.	17.7	143.	15.4	542.	14.1	1446.	14.5	1433.	14.6	2299.
39-55-00	101-55-00	0.	22.3	37.	17.7	143.	15.4	135.	14.1	578.	14.5	358.	14.6	920.
39-55-00	102-05-00	0.	17.6	23.	18.8	167.	15.2	520.	15.6	892.	14.9	3820.	14.6	5751.
39-55-00	102-15-00	0.	17.6	141.	18.8	501.	15.2	868.	15.6	3568.	14.9	5193.	14.6	7936.
39-55-00	102-25-00	0.	17.6	0.	18.8	334.	15.2	694.	15.6	6244.	14.9	6924.	14.6	13226.
39-55-00	102-35-00	0.	17.6	0.	18.8	0.	15.2	0.	15.6	3568.	14.9	6924.	14.6	15872.
39-55-00	102-45-00	0.	17.6	0.	18.8	0.	15.2	0.	15.6	1784.	14.9	5742.	14.6	11614.
39-55-00	102-55-00	0.	14.3	0.	15.8	0.	15.0	0.	15.3	1203.	14.8	2745.	14.7	4650.
39-55-00	103-05-00	0.	14.3	0.	15.8	144.	15.0	0.	15.3	1013.	14.8	1372.	14.7	3617.
39-55-00	103-15-00	0.	14.3	0.	15.8	0.	15.0	0.	15.3	610.	14.8	823.	14.7	2583.
39-55-00	103-25-00	0.	14.3	0.	15.8	0.	15.0	0.	15.3	0.	14.8	0.	14.7	0.
40-05-00	97-45-00	12.	20.0	549.	13.8	6993.	12.9	7142.	12.3	11753.	12.0	12586.	12.2	12840.
40-05-00	97-55-00	0.	15.6	45.	14.0	294.	12.8	648.	12.9	1416.	12.8	2494.	12.8	1069.
40-05-00	98-05-00	0.	15.6	0.	14.0	0.	12.8	0.	12.9	0.	12.8	0.	12.8	356.
40-05-00	98-15-00	0.	15.0	68.	14.0	1399.	12.8	1418.	12.9	1623.	12.8	1553.	12.8	2842.
40-05-00	98-25-00	0.	14.6	0.	15.1	2325.	14.3	2081.	13.3	2829.	13.3	3040.	13.9	4971.
40-05-00	98-35-00	0.	14.6	0.	15.1	1514.	14.3	1335.	13.3	1718.	13.3	1382.	13.9	2486.
40-05-00	98-45-00	0.	13.8	0.	15.6	54.	14.5	452.	14.3	665.	14.2	1357.	14.3	831.
40-05-00	98-55-00	0.	13.8	62.	15.6	1032.	14.5	1349.	14.3	3910.	14.2	3662.	14.3	4657.
40-05-00	99-05-00	0.	13.8	124.	15.6	2654.	14.5	2866.	14.3	4431.	14.2	5326.	14.3	6965.
40-05-00	99-15-00	0.	18.1	85.	18.0	1091.	15.6	1585.	14.8	2692.	14.8	2638.	14.6	4178.
40-05-00	99-25-00	0.	18.1	76.	18.0	893.	15.6	1029.	14.8	2423.	14.8	2261.	14.6	5222.
40-05-00	99-35-00	0.	18.1	93.	18.0	4221.	15.6	4014.	14.8	4846.	14.8	5653.	14.6	5515.
40-05-00	99-45-00	0.	12.1	0.	18.5	674.	15.5	969.	15.4	2216.	15.1	3879.	14.9	5574.
40-05-00	99-55-00	0.	12.1	0.	18.5	374.	15.5	488.	15.4	843.	15.1	1746.	14.9	2054.
40-05-00	100-05-00	0.	12.1	0.	18.5	1722.	15.5	1776.	15.4	1818.	15.1	2910.	14.9	5066.
40-05-00	100-15-00	0.	14.8	0.	16.7	849.	14.9	2251.	14.0	2949.	14.8	3169.	14.6	3563.
40-05-00	100-25-00	0.	14.8	0.	16.7	619.	14.9	1313.	14.0	1474.	14.8	2083.	14.6	2227.
40-05-00	100-35-00	0.	14.8	0.	16.7	0.	14.9	375.	14.0	491.	14.4	1785.	14.6	445.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
40-05-00	100-45-00	0.	14.5	0.	16.7	0.	15.6	0.	15.2	0.	14.9	0.	15.1	445.
40-05-00	100-55-00	0.	14.1	59.	17.2	0.	15.6	93.	15.2	81.	14.9	168.	15.1	0.
40-05-00	101-05-00	0.	14.1	59.	17.2	0.	15.6	96.	15.2	81.	14.9	168.	15.1	0.
40-05-00	101-15-00	0.	14.1	886.	17.2	3557.	15.6	3273.	15.2	3314.	14.9	3364.	15.1	3372.
40-05-00	101-25-00	154.	16.1	700.	17.9	1185.	17.7	1634.	17.7	3542.	15.6	3428.	15.2	5157.
40-05-00	101-35-00	615.	16.1	1050.	17.9	1976.	17.7	2614.	17.7	4649.	15.6	4799.	15.2	8841.
40-05-00	101-45-00	615.	16.1	840.	17.9	1581.	17.7	2178.	17.7	2878.	15.6	4799.	15.2	8104.
40-05-00	101-55-00	0.	16.1	350.	17.9	790.	17.7	980.	17.7	2214.	15.6	1714.	15.2	1473.
40-05-00	102-05-00	0.	17.6	141.	18.8	492.	15.2	520.	15.6	892.	14.9	3462.	14.6	6028.
40-05-00	102-15-00	0.	17.6	23.	18.8	418.	15.2	694.	15.6	892.	14.9	3462.	14.6	5291.
40-05-00	102-25-00	0.	17.6	188.	18.8	334.	15.2	520.	15.6	3568.	14.9	6924.	14.6	10581.
40-05-00	102-35-00	0.	17.6	71.	18.8	250.	15.2	694.	15.6	6244.	14.9	8655.	14.6	15872.
40-05-00	102-45-00	0.	17.6	0.	18.8	584.	15.2	1131.	15.6	6775.	14.9	9478.	14.6	15293.
40-05-00	102-55-00	0.	14.3	0.	15.8	544.	15.0	722.	15.3	3456.	14.8	3843.	14.7	6200.
40-05-00	103-05-00	0.	14.3	0.	15.8	244.	15.0	361.	15.3	407.	14.8	274.	14.7	517.
40-05-00	103-15-00	109.	14.3	153.	15.8	244.	15.0	361.	15.3	203.	14.8	274.	14.7	517.
40-05-00	103-25-00	0.	14.3	0.	15.8	0.	15.0	0.	15.3	0.	14.8	0.	14.7	0.
40-15-00	96-55-00	0.	15.0	0.	14.0	1370.	12.5	1576.	12.0	3914.	11.9	3563.	12.3	9802.
40-15-00	97-05-00	0.	18.0	0.	14.0	1442.	12.5	1970.	12.2	4944.	11.9	5122.	12.3	7841.
40-15-00	97-15-00	0.	18.0	0.	14.0	1370.	12.5	1419.	12.2	4120.	11.9	5790.	12.3	3921.
40-15-00	97-25-00	17.	20.0	55.	13.8	1077.	12.9	1229.	12.3	2445.	12.0	5365.	12.2	7354.
40-15-00	97-35-00	23.	20.0	1318.	13.8	6988.	12.9	7142.	12.3	10074.	12.0	13586.	12.2	14596.
40-15-00	97-45-00	69.	20.0	1867.	13.8	11339.	12.9	10713.	12.3	13992.	12.0	19172.	12.2	19751.
40-15-00	97-55-00	0.	15.6	1288.	14.0	11000.	12.8	14160.	12.9	24249.	12.8	21221.	12.8	26736.
40-15-00	98-05-00	0.	15.6	0.	14.0	0.	12.8	162.	12.9	205.	12.8	241.	12.8	0.
40-15-00	98-15-00	0.	15.0	0.	14.0	0.	12.8	0.	12.9	0.	12.8	0.	12.8	0.
40-15-00	98-25-00	0.	14.6	0.	15.1	108.	14.3	288.	13.3	707.	13.3	967.	13.9	4971.
40-15-00	98-35-00	0.	14.6	0.	15.1	433.	14.3	978.	13.3	1111.	13.3	2349.	13.9	6214.
40-15-00	98-45-00	0.	13.8	25.	15.6	1234.	14.5	2311.	14.3	3297.	14.2	5402.	14.3	9555.
40-15-00	98-55-00	0.	13.8	83.	15.6	4866.	14.5	5057.	14.3	6255.	14.2	8322.	14.3	11642.
40-15-00	99-05-00	0.	13.8	102.	15.6	3244.	14.5	3371.	14.3	5213.	14.2	6658.	14.3	11642.
40-15-00	99-15-00	0.	18.1	80.	18.0	764.	15.6	2161.	14.8	4846.	14.8	6783.	14.6	10445.
40-15-00	99-25-00	0.	18.1	4.	18.0	764.	15.6	2305.	14.8	5116.	14.8	9421.	14.6	10445.
40-15-00	99-35-00	0.	18.1	68.	18.0	3348.	15.6	3169.	14.8	4806.	14.8	6783.	14.6	8714.
40-15-00	99-45-00	0.	12.1	0.	18.5	1348.	15.5	1032.	15.4	2331.	15.1	3879.	14.9	5868.
40-15-00	99-55-00	0.	12.1	0.	18.5	1647.	15.5	1307.	15.4	2003.	15.1	2910.	14.9	5281.
40-15-00	100-05-00	0.	12.1	0.	18.5	1497.	15.5	1238.	15.4	1660.	15.1	1940.	14.9	2934.
40-15-00	100-15-00	0.	14.8	0.	16.7	1935.	14.9	3377.	14.0	4669.	14.8	2975.	14.6	4454.
40-15-00	100-25-00	0.	14.8	0.	16.7	1548.	14.9	3564.	14.0	4915.	14.8	4463.	14.6	11135.
40-15-00	100-35-00	0.	14.8	0.	16.7	1239.	14.9	3109.	14.0	4669.	14.8	4463.	14.6	11135.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
40-15-00	100-45-00	0.	14.5	89.	16.7	3855.	14.9	4430.	14.0	5729.	14.8	5808.	14.6	12478.
40-15-00	100-55-00	0.	14.1	886.	17.2	3383.	15.6	3370.	15.2	3174.	14.9	5718.	15.1	8925.
40-15-00	101-05-00	0.	14.1	531.	17.2	0.	15.6	1155.	15.2	488.	14.9	1682.	15.1	1388.
40-15-00	101-15-00	0.	14.1	118.	17.2	0.	15.6	96.	15.2	81.	14.9	1345.	15.1	397.
40-15-00	101-25-00	0.	16.1	70.	17.9	158.	17.7	218.	17.7	664.	15.6	1028.	15.2	3664.
40-15-00	101-35-00	0.	16.1	70.	17.9	316.	17.7	327.	17.7	1328.	15.6	4799.	15.2	5894.
40-15-00	101-45-00	0.	16.1	175.	17.9	1422.	17.7	2178.	17.7	4206.	15.6	6856.	15.2	6367.
40-15-00	101-55-00	0.	16.1	175.	17.9	79.	17.7	545.	17.7	886.	15.6	4799.	15.2	15472.
40-15-00	102-05-00	0.	17.6	70.	18.8	158.	15.2	217.	15.6	3099.	14.9	7267.	14.6	18685.
40-15-00	102-15-00	0.	17.6	0.	18.8	167.	15.2	520.	15.6	3784.	14.9	6924.	14.6	10581.
40-15-00	102-25-00	0.	17.6	0.	18.8	0.	15.2	0.	15.6	3784.	14.9	5193.	14.6	7936.
40-15-00	102-35-00	0.	17.6	0.	18.8	501.	15.2	694.	15.6	6704.	14.9	8655.	14.6	15872.
40-15-00	102-45-00	0.	17.6	0.	18.8	250.	15.2	868.	15.6	3566.	14.9	7473.	14.6	14776.
40-15-00	102-55-00	0.	14.3	0.	15.8	0.	15.0	90.	15.3	1016.	14.8	2745.	14.7	3100.
40-15-00	103-05-00	0.	14.3	0.	15.8	0.	15.0	0.	15.3	0.	14.8	0.	14.7	0.
40-15-00	103-15-00	0.	14.3	0.	15.8	0.	15.0	0.	15.3	0.	14.8	0.	14.7	0.
40-25-00	96-55-00	0.	12.5	22.	13.5	4060.	12.5	5044.	12.2	12332.	12.2	12259.	12.0	12248.
40-25-00	97-05-00	0.	12.5	7.	13.5	2082.	12.5	2155.	12.2	5292.	11.9	5941.	12.0	10709.
40-25-00	97-15-00	0.	12.5	3.	13.5	512.	12.5	812.	12.2	1481.	11.9	1535.	12.0	3126.
40-25-00	97-25-00	72.	12.8	458.	12.8	849.	12.6	1367.	11.9	1633.	12.0	862.	12.2	4572.
40-25-00	97-35-00	91.	12.8	1190.	12.8	12478.	12.6	12747.	11.9	20956.	12.0	19903.	12.2	32851.
40-25-00	97-45-00	721.	12.8	3754.	12.8	21431.	12.6	19134.	11.9	22691.	12.0	24572.	12.2	38281.
40-25-00	97-55-00	1682.	13.6	4278.	13.3	15201.	13.1	15340.	12.6	20502.	12.6	20438.	12.7	30159.
40-25-00	98-05-00	1122.	13.6	4204.	13.3	12205.	13.1	12056.	12.6	17531.	12.6	19624.	12.7	23750.
40-25-00	98-15-00	983.	13.6	2680.	13.3	10202.	13.1	9718.	12.6	13864.	12.6	19501.	12.7	21056.
40-25-00	98-25-00	1135.	13.8	2919.	13.5	8574.	13.3	8502.	12.9	13845.	13.1	13859.	13.3	22630.
40-25-00	98-35-00	568.	13.8	3095.	13.5	7673.	13.3	8607.	12.9	13586.	13.1	13142.	13.3	22879.
40-25-00	98-45-00	117.	14.6	1678.	15.0	6478.	14.2	5729.	14.2	9941.	13.9	10510.	13.9	14113.
40-25-00	98-55-00	19.	14.6	3780.	15.0	7077.	14.2	7325.	14.2	11331.	13.9	20589.	13.9	28019.
40-25-00	99-05-00	21.	14.6	3788.	15.0	8404.	14.2	7730.	14.2	13934.	13.9	21255.	13.9	32097.
40-25-00	99-15-00	0.	15.1	2192.	15.5	6356.	14.9	6877.	14.5	13847.	14.3	17633.	14.3	33336.
40-25-00	99-25-00	0.	15.1	1414.	15.5	6356.	14.9	6378.	14.5	12193.	14.3	14532.	14.3	26567.
40-25-00	99-35-00	0.	15.1	979.	15.5	3531.	14.9	3543.	14.5	6475.	14.3	9513.	14.3	12089.
40-25-00	99-45-00	0.	14.1	150.	17.1	1291.	14.6	1517.	14.8	4223.	14.9	8217.	14.8	13917.
40-25-00	99-55-00	0.	14.1	75.	17.1	487.	14.6	362.	14.8	1940.	14.9	4708.	14.8	7733.
40-25-00	100-05-00	0.	14.8	0.	17.1	884.	14.5	1047.	14.5	934.	14.4	4947.	14.3	7575.
40-25-00	100-15-00	0.	14.8	435.	18.8	867.	14.5	1235.	14.5	1869.	14.4	5241.	14.3	8727.
40-25-00	100-25-00	0.	14.8	91.	18.8	77.	14.5	712.	14.5	1374.	14.4	5602.	14.3	4440.
40-25-00	100-35-00	0.	14.8	0.	18.8	0.	14.5	480.	14.5	1246.	14.4	2990.	14.3	3649.
40-25-00	100-45-00	0.	14.8	0.	18.8	0.	14.5	552.	14.5	1263.	14.4	2668.	14.3	2032.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1944		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
40-25-00	100-55-00	0.	14.1	663.	18.1	1520.	17.2	1628.	14.9	2477.	15.0	2691.	14.8	5900.
40-25-00	101-05-00	105.	15.5	949.	18.1	2065.	17.2	1972.	14.9	2289.	15.0	5200.	14.8	5836.
40-25-00	101-15-00	35.	15.5	257.	18.1	337.	17.2	1292.	14.9	1579.	15.0	2346.	14.8	2284.
40-25-00	101-25-00	42.	16.6	118.	17.3	600.	15.5	1281.	14.9	2803.	14.8	3621.	14.4	6790.
40-25-00	101-35-00	0.	16.6	235.	17.3	314.	15.5	312.	14.9	726.	14.8	4966.	14.4	9816.
40-25-00	101-45-00	25.	16.6	1058.	17.3	2392.	15.5	2805.	14.9	10042.	14.8	15822.	14.4	20408.
40-25-00	101-55-00	419.	16.6	1293.	17.3	2268.	15.5	2338.	14.9	7073.	14.8	13869.	14.4	23435.
40-25-00	102-05-00	25.	17.6	188.	18.8	447.	15.2	950.	15.6	7050.	14.9	11211.	14.6	18903.
40-25-00	102-15-00	0.	17.6	0.	18.8	311.	15.2	539.	15.6	2635.	14.9	5900.	14.6	15877.
40-25-00	102-25-00	125.	17.6	116.	18.8	113.	15.2	726.	15.6	5817.	14.9	7631.	14.6	15877.
40-25-00	102-35-00	0.	17.6	0.	18.8	84.	15.2	347.	15.6	2366.	14.9	8143.	14.6	8818.
40-25-00	102-45-00	0.	17.6	0.	18.8	167.	15.2	520.	15.6	600.	14.9	1731.	14.6	2645.
40-25-00	102-55-00	109.	14.3	153.	15.8	434.	15.0	702.	15.3	607.	14.8	1123.	14.7	1650.
40-25-00	103-05-00	0.	14.3	0.	15.8	0.	15.0	0.	15.3	0.	14.8	0.	14.7	0.
40-35-00	97-05-00	0.	12.5	66.	13.5	4068.	12.5	4222.	12.2	7035.	12.2	7598.	12.0	11665.
40-35-00	97-15-00	0.	12.5	27.	13.5	2760.	12.5	3454.	12.2	4996.	12.2	5598.	12.0	11082.
40-35-00	97-25-00	91.	12.8	458.	12.8	4910.	12.6	5358.	11.9	11135.	12.2	13337.	12.2	19721.
40-35-00	97-35-00	302.	12.8	1923.	12.8	8294.	12.6	9751.	11.9	17346.	12.2	16708.	12.2	4283.
40-35-00	97-45-00	257.	12.8	2014.	12.8	12059.	12.6	12340.	11.9	16479.	12.2	16708.	12.2	19982.
40-35-00	97-55-00	1042.	13.6	3414.	13.3	12758.	13.1	12997.	12.6	18504.	12.6	20228.	12.7	21264.
40-35-00	98-05-00	2083.	13.6	4419.	13.3	12916.	13.1	12423.	12.6	17637.	12.6	22659.	12.7	24099.
40-35-00	98-15-00	1038.	13.6	1732.	13.3	11502.	13.1	10718.	12.6	13864.	12.6	18522.	12.7	19606.
40-35-00	98-25-00	1590.	13.8	3095.	13.5	10087.	13.3	10444.	12.9	15272.	13.1	17741.	13.3	23517.
40-35-00	98-35-00	795.	13.8	3095.	13.5	9078.	13.3	9444.	12.9	15272.	13.1	17741.	13.3	23517.
40-35-00	98-45-00	248.	14.6	2462.	15.0	9104.	14.2	6841.	14.2	11692.	13.9	17136.	13.9	17216.
40-35-00	98-55-00	70.	14.6	4196.	15.0	10333.	14.2	8508.	14.2	15140.	13.9	23240.	13.9	26871.
40-35-00	99-05-00	585.	14.6	3986.	15.0	9160.	14.2	8102.	14.2	10507.	13.9	18592.	13.9	19861.
40-35-00	99-15-00	0.	15.1	1849.	15.5	4943.	14.9	5315.	14.5	11655.	14.3	14269.	14.3	37612.
40-35-00	99-25-00	0.	15.1	2719.	15.5	6709.	14.9	6378.	14.5	11655.	14.3	14269.	14.3	20149.
40-35-00	99-35-00	0.	15.1	2175.	15.5	7062.	14.9	7087.	14.5	11655.	14.3	19025.	14.3	37612.
40-35-00	99-45-00	0.	14.1	200.	17.1	2555.	14.6	2775.	14.8	4850.	14.9	7846.	14.9	14282.
40-35-00	99-55-00	0.	14.1	75.	17.1	608.	14.6	483.	14.6	2910.	14.9	3139.	14.9	7309.
40-35-00	100-05-00	0.	14.8	254.	18.8	2008.	14.5	2094.	14.5	3785.	14.4	6382.	14.3	8873.
40-35-00	100-15-00	0.	14.8	254.	18.8	1673.	14.5	1047.	14.5	1803.	14.4	6758.	14.3	9465.
40-35-00	100-25-00	0.	14.8	254.	18.8	1590.	14.5	1571.	14.5	2550.	14.4	5132.	14.3	9465.
40-35-00	100-35-00	0.	14.8	254.	18.8	669.	14.5	1047.	14.5	1182.	14.4	1251.	14.3	1775.
40-35-00	100-45-00	0.	14.8	0.	18.8	84.	14.5	364.	14.5	463.	14.4	543.	14.3	6167.
40-35-00	100-55-00	0.	17.0	0.	18.1	75.	17.2	249.	14.9	504.	15.0	1508.	14.8	2030.
40-35-00	101-05-00	17.	15.5	515.	16.1	37.	17.2	199.	14.9	252.	15.0	1508.	14.8	2284.
40-35-00	101-15-00	0.	15.5	257.	18.1	0.	17.2	199.	14.9	661.	15.0	1843.	14.8	4821.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
40-35-00	101-25-00	102.	16.6	176.	17.3	214.	15.5	1247.	14.9	3368.	14.8	5293.	14.4	6053.
40-35-00	101-35-00	0.	16.6	0.	17.3	214.	15.5	1247.	14.9	3505.	14.8	6472.	14.4	12106.
40-35-00	101-45-00	102.	16.6	764.	17.3	1714.	15.5	2805.	14.9	8619.	14.8	16643.	14.4	25724.
40-35-00	101-55-00	470.	16.6	1764.	17.3	2998.	15.5	3117.	14.9	11145.	14.8	24040.	14.4	33290.
40-35-00	102-05-00	979.	17.6	1050.	16.9	681.	15.1	1372.	15.6	8840.	14.9	11966.	14.6	19286.
40-35-00	102-15-00	877.	17.6	815.	16.9	993.	15.1	2176.	15.6	8713.	14.9	12285.	14.6	17646.
40-35-00	102-25-00	0.	17.6	0.	16.9	113.	15.1	896.	15.6	3485.	14.9	4533.	14.6	7941.
40-35-00	102-35-00	209.	17.6	194.	16.9	340.	15.1	192.	15.6	871.	14.9	1219.	14.6	6176.
40-35-00	102-45-00	0.	14.6	0.	14.9	0.	15.8	100.	16.4	200.	16.6	315.	15.8	1100.
40-35-00	102-55-00	0.	14.6	0.	14.9	0.	15.8	0.	16.4	0.	16.6	0.	15.8	0.
40-35-00	103-05-00	0.	14.6	0.	14.9	0.	15.8	0.	16.4	0.	16.6	0.	15.8	0.
40-45-00	97-05-00	0.	10.3	13.	12.2	4060.	12.3	5079.	12.1	12246.	12.4	13908.	12.3	15506.
40-45-00	97-15-00	0.	10.3	0.	12.2	4843.	12.3	5695.	12.1	13520.	12.4	16179.	12.3	22333.
40-45-00	97-25-00	866.	12.3	1314.	12.8	7930.	12.6	8625.	12.3	12435.	12.4	24705.	12.4	23953.
40-45-00	97-35-00	866.	12.3	1977.	12.8	10312.	12.6	12588.	12.3	18388.	12.4	20648.	12.4	24037.
40-45-00	97-45-00	2212.	12.3	5418.	12.8	15507.	12.6	18800.	12.3	22824.	12.4	22156.	12.4	39631.
40-45-00	97-55-00	4086.	13.0	10065.	12.8	29998.	12.7	31323.	12.4	31217.	12.6	43917.	12.6	49376.
40-45-00	98-05-00	3266.	13.0	5299.	12.8	12528.	17.7	19290.	12.4	22721.	12.6	39025.	12.6	43089.
40-45-00	98-15-00	3264.	13.8	8945.	12.8	13101.	17.7	15814.	12.4	15543.	12.6	24383.	12.6	27797.
40-45-00	98-25-00	4965.	15.3	8947.	13.0	12050.	13.4	15228.	13.3	15817.	13.1	26651.	13.4	29393.
40-45-00	98-35-00	8679.	15.3	10645.	13.0	22560.	13.4	17330.	13.3	19554.	13.1	24519.	13.4	31443.
40-45-00	98-45-00	16065.	14.0	20332.	13.3	44597.	13.9	44739.	13.4	45632.	13.6	49194.	13.8	54409.
40-45-00	98-55-00	18994.	14.0	26165.	13.3	27733.	13.9	27108.	13.4	28103.	13.6	41314.	13.8	35026.
40-45-00	99-05-00	7123.	14.0	6197.	13.3	10520.	13.9	16554.	13.4	15613.	13.6	16526.	13.8	21047.
40-45-00	99-15-00	1425.	14.0	4131.	13.3	6694.	13.9	7242.	13.4	7286.	13.6	6886.	13.8	10523.
40-45-00	99-25-00	4088.	14.0	7476.	13.3	7992.	13.9	6308.	13.4	5603.	13.6	14823.	13.8	16453.
40-45-00	99-35-00	5770.	14.8	10884.	15.4	19614.	14.4	15261.	14.7	12398.	14.6	13228.	14.9	22236.
40-45-00	99-45-00	6657.	14.8	13805.	15.4	26213.	14.4	23955.	14.7	17248.	14.6	23473.	14.9	26521.
40-45-00	99-55-00	4438.	14.8	6296.	15.4	7349.	14.4	7202.	14.7	11571.	14.6	12151.	14.9	12335.
40-45-00	100-05-00	2219.	14.8	3239.	15.4	3154.	14.4	1905.	14.7	2587.	14.6	9618.	14.9	5630.
40-45-00	100-15-00	0.	15.1	0.	16.4	0.	15.3	0.	15.6	0.	15.3	612.	15.1	0.
40-45-00	100-25-00	0.	15.1	149.	16.4	251.	15.3	688.	15.6	561.	15.3	1738.	15.1	2238.
40-45-00	100-35-00	0.	15.1	0.	16.4	0.	15.3	354.	15.6	653.	15.3	1549.	15.1	1647.
40-45-00	100-45-00	0.	15.1	0.	16.4	84.	15.3	404.	15.6	555.	15.3	1767.	15.1	2365.
40-45-00	100-55-00	0.	15.1	257.	16.4	272.	15.3	348.	15.6	276.	15.3	335.	15.1	2365.
40-45-00	101-05-00	0.	15.1	201.	16.4	543.	15.3	547.	15.6	697.	15.3	2170.	15.1	3420.
40-45-00	101-15-00	0.	15.1	122.	17.1	1096.	14.8	769.	15.5	954.	15.4	1894.	14.1	2741.
40-45-00	101-25-00	19.	16.0	694.	17.9	913.	14.3	936.	15.5	1336.	15.4	2017.	14.1	8259.
40-45-00	101-35-00	0.	16.0	0.	17.9	369.	14.3	362.	15.5	3436.	15.4	5257.	14.1	14336.
40-45-00	101-45-00	19.	16.0	122.	17.9	676.	14.3	775.	15.5	3436.	15.4	7619.	14.1	14336.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
40-45-00	101-55-00	39.	16.0	306.	17.9	553.	14.3	575.	15.5	954.	15.4	3681.	14.1	3373.
40-45-00	102-05-00	0.	17.5	122.	16.2	1342.	15.2	2726.	15.6	5128.	14.9	5698.	14.6	10923.
40-45-00	102-15-00	2686.	17.5	2032.	16.2	3161.	15.2	3826.	15.6	3821.	14.9	3304.	14.6	9193.
40-45-00	102-25-00	0.	17.5	0.	16.2	113.	15.2	192.	15.6	4813.	14.9	5912.	14.6	9352.
40-45-00	102-35-00	0.	17.5	0.	16.2	0.	15.2	256.	15.6	2033.	14.9	3048.	14.6	15374.
40-45-00	102-45-00	0.	14.6	0.	14.9	0.	15.8	150.	16.4	600.	16.6	750.	15.8	600.
40-45-00	102-55-00	0.	14.6	0.	14.9	0.	15.8	0.	16.4	0.	16.6	135.	15.8	0.
40-45-00	103-25-00	0.	14.6	0.	14.9	0.	15.8	0.	16.4	0.	16.6	0.	15.8	0.
40-45-00	103-35-00	0.	14.5	0.	14.9	0.	15.8	0.	16.4	0.	16.6	0.	15.8	0.
40-45-00	103-45-00	0.	14.5	0.	15.0	0.	15.0	0.	15.0	0.	15.5	0.	15.0	0.
40-45-00	103-55-00	0.	14.5	0.	15.0	0.	15.0	0.	15.0	0.	15.5	0.	15.0	0.
40-45-00	104-05-00	0.	15.0	0.	15.0	0.	15.0	0.	15.0	0.	15.5	0.	15.0	0.
40-45-00	104-15-00	0.	15.0	0.	15.0	0.	15.0	0.	15.0	60.	15.5	90.	15.0	120.
40-55-00	97-05-00	0.	10.3	0.	12.2	2349.	12.3	2964.	12.1	6044.	12.4	9531.	12.3	8234.
40-55-00	97-15-00	0.	10.3	0.	12.2	6813.	12.3	6197.	12.1	12520.	12.4	13980.	12.3	23878.
40-55-00	97-25-00	673.	12.3	1319.	12.8	11794.	12.6	12205.	12.3	13948.	12.4	18256.	12.4	22076.
40-55-00	97-35-00	962.	12.3	2827.	12.8	12820.	12.6	12938.	12.3	17843.	12.4	15799.	12.4	25143.
40-55-00	97-45-00	3078.	12.3	5654.	12.8	14446.	12.6	14786.	12.3	20222.	12.4	16587.	12.4	28735.
40-55-00	97-55-00	3675.	13.0	7570.	12.8	22621.	12.7	22637.	12.4	27070.	12.6	31050.	12.6	38652.
40-55-00	98-05-00	2858.	13.0	6434.	12.8	19253.	12.7	19695.	12.4	24518.	12.6	26526.	12.6	36618.
40-55-00	98-15-00	9160.	14.0	11045.	12.8	20532.	12.7	20603.	12.4	21767.	12.6	38209.	12.6	33298.
40-55-00	98-25-00	6852.	15.3	9767.	13.0	11280.	13.4	14654.	13.3	14579.	13.1	17205.	13.4	24082.
40-55-00	98-35-00	14274.	15.3	12556.	13.0	28200.	13.4	28905.	13.3	19422.	13.1	21507.	13.4	32109.
40-55-00	98-45-00	6660.	14.0	9282.	13.3	9024.	13.9	12478.	13.4	15345.	13.6	15601.	13.8	25264.
40-55-00	98-55-00	475.	14.0	3443.	13.3	3826.	13.9	6208.	13.4	7286.	13.6	6886.	13.8	8770.
40-55-00	99-05-00	0.	14.0	3443.	13.3	4782.	13.9	6208.	13.4	6245.	13.6	8263.	13.8	12277.
40-55-00	99-15-00	950.	14.0	3443.	13.3	5738.	13.9	6208.	13.4	5204.	13.6	6886.	13.8	8770.
40-55-00	99-25-00	1425.	14.0	6492.	13.3	3782.	13.9	1883.	13.4	1867.	13.6	8155.	13.8	5981.
40-55-00	99-35-00	1775.	14.8	3935.	15.4	3070.	14.4	1696.	14.7	2480.	14.6	6614.	14.9	8894.
40-55-00	99-45-00	3551.	14.8	7870.	15.4	12840.	14.4	10478.	14.7	11571.	14.6	9266.	14.9	14824.
40-55-00	99-55-00	5770.	14.8	9444.	15.4	18261.	14.4	15261.	14.7	12398.	14.6	14551.	14.9	20754.
40-55-00	100-05-00	4882.	14.8	10231.	15.4	18191.	14.4	13565.	14.7	12698.	14.6	17196.	14.9	20754.
40-55-00	100-15-00	3078.	15.1	3386.	16.4	4874.	15.3	3900.	15.6	3456.	15.3	11509.	15.1	8870.
40-55-00	100-25-00	1228.	15.1	1812.	16.4	3804.	15.3	3345.	15.6	3214.	15.3	3671.	15.1	7388.
40-55-00	100-35-00	0.	15.1	0.	16.4	0.	15.3	0.	15.6	0.	15.3	0.	15.1	0.
40-55-00	100-45-00	0.	15.1	0.	16.4	0.	15.3	0.	15.6	0.	15.3	612.	15.1	3166.
40-55-00	100-55-00	0.	15.1	0.	16.4	0.	15.3	0.	15.6	0.	15.3	1224.	15.1	2111.
40-55-00	101-05-00	0.	15.1	0.	16.4	0.	15.3	0.	15.6	0.	15.3	1835.	15.1	4142.
40-55-00	101-15-00	0.	15.1	0.	17.1	469.	14.8	509.	15.5	954.	15.4	2923.	14.1	4744.
40-55-00	101-25-00	0.	16.0	0.	17.9	84.	14.3	52.	15.5	763.	15.4	3544.	14.1	5903.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1976
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
40-55-00	101-35-00	0.	16.0	612.	17.9	1106.	14.3	775.	15.5	3054.	15.4	5119.	14.1	12649.
40-55-00	101-45-00	19.	16.0	612.	17.9	799.	14.3	775.	15.5	2481.	15.4	5907.	14.1	12649.
40-55-00	101-55-00	39.	16.0	612.	17.9	553.	14.3	565.	15.5	1145.	15.4	2363.	14.1	7590.
40-55-00	102-05-00	1343.	14.8	1016.	15.5	3161.	15.3	3150.	15.5	3070.	15.8	6002.	14.8	7394.
40-55-00	102-15-00	1343.	14.8	1016.	15.5	903.	15.3	875.	15.5	1168.	15.8	2085.	14.8	5095.
40-55-00	102-25-00	1343.	14.8	1016.	15.5	903.	15.3	812.	15.5	829.	15.8	1043.	14.8	1092.
40-55-00	102-35-00	0.	14.8	0.	15.5	0.	15.3	0.	15.5	0.	15.8	0.	14.8	394.
40-55-00	102-45-00	0.	14.6	0.	14.9	0.	15.8	0.	16.4	0.	16.6	0.	15.8	0.
40-55-00	102-55-00	0.	14.6	0.	14.9	0.	15.8	0.	16.4	0.	16.6	0.	15.8	0.
40-55-00	103-05-00	0.	14.6	0.	14.9	0.	15.8	0.	16.4	0.	16.6	0.	15.8	0.
40-55-00	103-15-00	0.	14.6	0.	14.9	0.	15.8	0.	16.4	0.	16.6	0.	15.8	0.
40-55-00	103-25-00	0.	14.6	0.	14.9	0.	15.8	0.	16.4	0.	16.6	0.	15.8	0.
40-55-00	103-35-00	0.	14.5	0.	14.9	0.	15.8	0.	16.4	0.	16.6	0.	15.8	0.
40-55-00	103-45-00	0.	14.5	0.	15.0	0.	15.0	0.	15.0	0.	15.5	0.	15.0	0.
40-55-00	103-55-00	0.	14.5	0.	15.0	0.	15.0	0.	15.0	0.	15.5	0.	15.0	0.
40-55-00	104-05-00	0.	15.0	0.	15.0	0.	15.0	60.	15.0	120.	15.5	180.	15.0	240.
40-55-00	104-15-00	0.	15.0	0.	15.0	0.	15.0	730.	15.0	1460.	15.5	2190.	15.0	2920.
40-55-00	104-25-00	0.	15.0	0.	15.0	0.	15.0	0.	15.0	0.	15.5	0.	15.0	0.
40-55-00	104-35-00	0.	15.0	0.	15.0	0.	15.0	0.	15.0	0.	15.5	0.	15.0	0.
40-55-00	104-45-00	0.	15.0	0.	15.0	0.	15.0	0.	15.0	0.	15.5	0.	15.0	0.
40-55-00	104-55-00	0.	15.0	0.	15.0	0.	15.0	0.	15.0	0.	15.5	0.	15.0	0.
40-55-00	105-05-00	0.	15.0	0.	15.0	0.	15.0	0.	15.0	0.	15.5	0.	15.0	0.
41-05-00	97-05-00	0.	12.6	23.	12.8	231.	12.3	1107.	12.0	1033.	12.2	1006.	12.3	5195.
41-05-00	97-15-00	0.	12.6	23.	12.8	6840.	12.3	7122.	12.0	9528.	12.2	13903.	12.3	18625.
41-05-00	97-25-00	318.	12.6	1169.	13.2	7309.	12.5	11316.	12.1	13623.	12.4	22550.	12.5	26554.
41-05-00	97-35-00	826.	12.6	1146.	13.2	12725.	12.5	18636.	12.1	20708.	12.4	30068.	12.5	32795.
41-05-00	97-45-00	1583.	12.6	3236.	13.2	14983.	12.5	15702.	12.1	16772.	12.4	30950.	12.5	37917.
41-05-00	97-55-00	4487.	13.1	5524.	12.6	17814.	12.7	13938.	12.4	23064.	12.8	32469.	12.6	40355.
41-05-00	98-05-00	9875.	13.1	9077.	12.6	17478.	12.7	21176.	12.4	32814.	12.6	34307.	12.8	36627.
41-05-00	98-15-00	8741.	13.1	8791.	12.6	17478.	12.7	23646.	12.4	26337.	12.6	30797.	12.8	29515.
41-05-00	98-25-00	571.	12.1	2866.	11.8	3752.	13.3	4702.	12.8	5575.	13.0	23521.	13.1	17725.
41-05-00	98-35-00	0.	12.1	927.	11.8	1879.	13.3	3165.	12.8	3973.	13.0	10423.	13.1	12704.
41-05-00	98-45-00	0.	13.3	112.	11.8	778.	14.1	1109.	13.7	2098.	14.0	2118.	13.9	5363.
41-05-00	98-55-00	0.	13.3	121.	17.4	1682.	14.1	1834.	13.7	1964.	14.0	2983.	13.9	11115.
41-05-00	99-05-00	0.	13.3	303.	17.4	2335.	14.1	2223.	13.7	6983.	14.0	7226.	13.9	8673.
41-05-00	99-15-00	0.	14.1	0.	16.1	73.	14.2	122.	13.9	122.	14.2	2449.	14.2	2230.
41-05-00	99-25-00	0.	14.1	415.	16.1	649.	14.2	934.	13.9	934.	14.2	3550.	14.2	2649.
41-05-00	99-35-00	0.	14.1	891.	16.1	1525.	14.2	1289.	13.9	1113.	14.2	3137.	14.2	1614.
41-05-00	99-45-00	0.	14.1	518.	16.1	2273.	14.2	1934.	13.9	2225.	14.2	5860.	14.2	6626.
41-05-00	99-55-00	0.	14.1	104.	16.1	325.	14.2	322.	13.9	556.	14.2	3137.	14.2	2649.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
41-05-00	100-05-00	2663.	14.5	2361.	16.1	1535.	14.2	1170.	13.9	1382.	14.2	14133.	14.2	18481.
41-05-00	100-15-00	1775.	15.1	1598.	16.4	815.	15.3	497.	15.6	1674.	15.3	10066.	15.1	10647.
41-05-00	100-25-00	123.	15.1	403.	16.4	815.	15.3	995.	15.6	292.	15.3	2477.	15.1	7388.
41-05-00	100-35-00	737.	15.1	1812.	16.4	2717.	15.3	2487.	15.6	3506.	15.3	4895.	15.1	8443.
41-05-00	100-45-00	2455.	15.1	3021.	16.4	4075.	15.3	3487.	15.6	4383.	15.3	6750.	15.1	10554.
41-05-00	100-55-00	491.	15.1	1611.	16.4	2173.	15.3	1990.	15.6	2630.	15.3	4895.	15.1	9498.
41-05-00	101-05-00	1596.	15.1	2014.	16.4	2717.	15.3	2338.	15.6	3798.	15.3	6118.	15.1	9498.
41-05-00	101-15-00	1313.	15.1	1354.	16.4	2503.	15.3	2539.	15.6	3130.	15.3	6177.	15.1	5431.
41-05-00	101-25-00	1323.	15.3	1902.	16.6	1820.	15.2	2295.	15.5	3642.	15.4	3580.	14.6	6794.
41-05-00	101-35-00	1323.	15.3	1902.	16.6	2831.	15.2	2095.	15.5	3095.	15.4	3580.	14.6	6226.
41-05-00	101-45-00	2116.	15.3	4756.	16.6	5056.	15.2	4842.	15.5	4763.	15.4	5371.	14.6	13201.
41-05-00	101-55-00	4100.	15.3	6659.	16.6	6067.	15.2	6208.	15.5	8406.	15.4	11457.	14.6	18883.
41-05-00	102-05-00	4344.	14.1	5075.	15.3	4567.	15.2	6313.	15.7	10455.	14.4	9272.	13.4	15914.
41-05-00	102-15-00	989.	14.1	1457.	15.3	1081.	15.2	1058.	15.7	1093.	14.4	2524.	13.4	2466.
41-05-00	102-25-00	989.	14.1	1457.	15.3	1441.	15.2	1516.	15.7	3280.	14.4	5632.	13.4	6171.
41-05-00	102-35-00	55.	14.1	740.	15.3	1437.	15.2	1353.	15.7	1765.	14.4	4628.	13.4	3002.
41-05-00	102-45-00	1413.	14.3	1509.	15.5	2241.	14.6	2146.	14.3	2628.	15.1	3247.	14.4	5460.
41-05-00	102-55-00	1472.	14.3	2096.	15.5	2241.	14.6	1946.	14.3	2002.	15.1	3247.	14.4	5460.
41-05-00	103-05-00	1766.	14.3	2934.	15.5	2690.	14.6	2798.	14.3	4380.	15.1	3247.	14.4	5173.
41-05-00	103-15-00	59.	14.3	252.	15.5	90.	14.6	195.	14.3	626.	15.1	974.	14.4	575.
41-05-00	103-25-00	177.	13.6	246.	15.1	0.	15.2	0.	14.9	0.	15.0	0.	14.9	172.
41-05-00	103-35-00	0.	13.6	0.	15.1	0.	15.2	0.	14.9	0.	15.0	0.	14.9	0.
41-05-00	103-45-00	146.	13.6	39.	15.1	0.	15.2	326.	14.9	304.	15.0	201.	14.9	1035.
41-05-00	103-55-00	73.	13.6	196.	15.1	450.	15.2	343.	14.9	304.	15.0	335.	14.9	1552.
41-05-00	104-05-00	1117.	15.1	0.	14.9	1071.	15.1	941.	15.2	1477.	14.6	1642.	14.2	2250.
41-05-00	104-15-00	1489.	15.1	454.	14.9	1547.	15.1	1773.	15.2	2077.	14.6	2322.	14.2	3000.
41-05-00	104-25-00	186.	15.1	475.	14.9	1904.	15.1	2182.	15.2	2556.	14.6	2902.	14.2	3750.
41-05-00	104-35-00	248.	15.1	0.	14.9	238.	15.1	273.	15.2	320.	14.6	387.	14.2	500.
41-05-00	104-45-00	0.	15.1	0.	14.9	0.	15.1	0.	15.2	0.	14.6	0.	14.2	0.
41-05-00	104-55-00	0.	15.1	0.	14.9	0.	15.1	0.	15.2	0.	14.6	0.	14.2	0.
41-05-00	105-05-00	0.	15.1	0.	14.9	0.	15.1	0.	15.2	0.	14.6	0.	14.2	0.
41-15-00	96-25-00	0.	12.0	0.	12.0	0.	10.9	0.	11.4	0.	11.1	0.	11.0	0.
41-15-00	97-05-00	0.	12.6	0.	12.8	463.	12.3	1384.	12.0	4600.	12.1	5032.	12.3	5937.
41-15-00	97-15-00	65.	12.6	23.	12.8	3240.	12.3	4707.	12.0	8666.	12.1	7044.	12.3	10391.
41-15-00	97-25-00	547.	12.6	981.	13.2	6449.	12.5	8444.	12.1	11185.	12.6	12339.	12.5	17383.
41-15-00	97-35-00	249.	12.6	958.	13.2	6254.	12.5	7060.	12.1	11694.	12.6	13226.	12.5	18849.
41-15-00	97-45-00	3482.	13.0	6430.	13.2	8162.	12.5	8822.	12.7	9999.	12.8	17868.	12.8	27468.
41-15-00	97-55-00	3286.	13.1	8005.	12.6	21517.	12.7	18219.	12.7	17112.	12.8	22499.	12.8	24570.
41-15-00	98-05-00	4774.	13.1	8320.	12.6	11772.	12.7	9798.	12.7	19292.	12.8	20819.	12.8	33499.
41-15-00	98-15-00	1581.	13.1	2046.	12.6	3903.	12.7	3721.	12.7	9168.	12.8	15264.	12.8	14795.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
41-15-00	98-25-00	0.	13.1	561.	11.8	1503.	13.3	2922.	12.8	7450.	13.0	9183.	13.1	11953.
41-15-00	98-35-00	0.	13.1	484.	11.8	2255.	13.3	4382.	12.8	10297.	13.0	9183.	13.1	10245.
41-15-00	98-45-00	0.	13.3	112.	11.8	778.	14.1	1352.	13.7	988.	14.0	4118.	13.9	7361.
41-15-00	98-55-00	0.	13.3	303.	17.4	1234.	14.1	1778.	13.7	1964.	14.0	4229.	13.9	5853.
41-15-00	99-05-00	0.	13.3	455.	17.4	1597.	14.1	2223.	13.7	2332.	14.0	3171.	13.9	6198.
41-15-00	99-15-00	0.	14.1	533.	16.1	2704.	14.2	2712.	13.9	3706.	14.2	4687.	14.2	5642.
41-15-00	99-25-00	0.	14.1	829.	16.1	3247.	14.2	3256.	13.9	3007.	14.2	3630.	14.2	5298.
41-15-00	99-35-00	0.	14.1	104.	16.1	325.	14.2	322.	13.9	556.	14.2	908.	14.2	1324.
41-15-00	99-45-00	0.	14.1	207.	16.1	325.	14.2	322.	13.9	1556.	14.2	3226.	14.2	3973.
41-15-00	99-55-00	0.	14.1	518.	16.1	2597.	14.2	2256.	13.9	4894.	14.2	6168.	14.2	6622.
41-15-00	100-05-00	0.	14.1	415.	16.1	625.	14.2	645.	13.9	556.	14.2	4660.	14.2	6622.
41-15-00	100-15-00	123.	15.1	507.	16.4	500.	15.3	249.	15.6	292.	15.3	3039.	15.1	4760.
41-15-00	100-25-00	0.	15.1	0.	16.4	0.	15.3	0.	15.6	0.	15.3	0.	15.1	0.
41-15-00	100-35-00	0.	15.1	0.	16.4	0.	15.3	0.	15.6	0.	15.3	612.	15.1	1055.
41-15-00	100-45-00	0.	15.1	403.	16.4	400.	15.3	249.	15.6	292.	15.3	612.	15.1	1055.
41-15-00	100-55-00	1473.	15.1	2014.	16.4	1758.	15.3	1492.	15.6	1169.	15.3	2447.	15.1	4221.
41-15-00	101-05-00	3069.	15.1	3021.	16.4	2945.	15.3	2487.	15.6	4383.	15.3	4671.	15.1	8443.
41-15-00	101-15-00	132.	15.1	794.	16.4	404.	15.3	396.	15.6	280.	15.3	432.	15.1	566.
41-15-00	101-25-00	529.	15.3	951.	16.6	809.	15.2	1000.	15.6	1121.	15.4	2506.	14.6	3397.
41-15-00	101-35-00	529.	15.3	380.	16.6	1213.	15.2	1195.	15.6	1121.	15.4	2506.	14.6	2631.
41-15-00	101-45-00	0.	15.3	0.	16.6	0.	15.2	0.	15.6	0.	15.4	0.	14.6	0.
41-15-00	101-55-00	132.	15.3	190.	16.6	0.	15.2	0.	15.6	0.	15.4	0.	14.6	0.
41-15-00	102-05-00	1164.	15.8	833.	15.7	866.	15.2	397.	15.9	556.	16.5	1048.	15.6	428.
41-15-00	102-15-00	0.	15.8	125.	15.7	0.	15.2	0.	15.9	0.	16.5	493.	15.6	461.
41-15-00	102-25-00	0.	15.8	0.	15.7	0.	15.2	0.	15.9	0.	16.5	0.	15.6	0.
41-15-00	102-35-00	0.	15.8	0.	15.7	0.	15.2	0.	15.9	35.	16.5	324.	15.6	428.
41-15-00	102-45-00	0.	14.3	0.	15.5	0.	14.6	97.	14.3	125.	15.1	200.	14.4	287.
41-15-00	102-55-00	0.	14.3	84.	15.5	0.	14.6	0.	14.3	125.	15.1	162.	14.4	0.
41-15-00	103-05-00	294.	14.3	419.	15.5	90.	14.6	598.	14.3	751.	15.1	1948.	14.4	5173.
41-15-00	103-15-00	589.	14.3	671.	15.5	807.	14.6	1065.	14.3	1126.	15.1	2455.	14.4	4885.
41-15-00	103-25-00	959.	13.6	1153.	15.1	1383.	15.2	1352.	14.9	1469.	15.0	1693.	14.9	3684.
41-15-00	103-35-00	914.	13.6	979.	15.1	1293.	15.2	1148.	14.9	1276.	15.0	1675.	14.9	3449.
41-15-00	103-45-00	1207.	13.6	1096.	15.1	1573.	15.2	1435.	14.9	2005.	15.0	2010.	14.9	6036.
41-15-00	103-55-00	585.	13.6	587.	15.1	562.	15.2	335.	14.9	608.	15.0	1005.	14.9	1725.
41-15-00	104-05-00	1117.	15.1	0.	14.9	1071.	15.1	1276.	15.2	1477.	14.6	1742.	14.2	3971.
41-15-00	104-15-00	372.	15.1	0.	14.9	357.	15.1	409.	15.2	479.	14.6	580.	14.2	750.
41-15-00	104-25-00	1489.	15.1	432.	14.9	1547.	15.1	1773.	15.2	2077.	14.6	2322.	14.2	3000.
41-15-00	104-35-00	372.	15.1	0.	14.9	357.	15.1	409.	15.2	479.	14.6	580.	14.2	750.
41-15-00	104-45-00	124.	15.1	0.	14.9	0.	15.1	0.	15.2	0.	14.6	194.	14.2	250.
41-15-00	104-55-00	124.	15.1	0.	14.9	0.	15.1	0.	15.2	0.	14.6	260.	14.2	250.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
41-15-00	105-05-00	0.	15.1	0.	14.9	0.	15.1	0.	15.2	0.	14.6	0.	14.2	0.
41-25-00	96-25-00	128.	12.0	535.	12.0	1920.	10.9	2211.	11.4	2114.	11.1	4460.	11.0	9066.
41-25-00	96-35-00	171.	12.0	494.	12.0	788.	10.9	1871.	11.4	1849.	11.1	4460.	11.0	6974.
41-25-00	97-05-00	1054.	11.8	3443.	12.1	9175.	11.7	15841.	11.6	14026.	12.1	18904.	12.3	22039.
41-25-00	97-15-00	1712.	13.0	2960.	12.1	10400.	12.7	11141.	12.5	16311.	12.6	22847.	12.9	32197.
41-25-00	97-25-00	2541.	14.5	2579.	13.3	11370.	12.7	11775.	12.5	15295.	12.6	18591.	12.3	29864.
41-25-00	97-35-00	904.	14.5	1962.	13.3	8428.	12.7	8574.	12.5	10409.	12.6	14183.	12.3	17387.
41-25-00	97-45-00	0.	12.6	274.	15.9	1291.	12.6	1791.	12.1	4057.	12.7	5340.	12.9	8511.
41-25-00	97-55-00	0.	12.6	0.	15.9	198.	12.6	1970.	12.1	3198.	12.7	3385.	12.9	6757.
41-25-00	98-05-00	0.	12.6	0.	15.9	40.	12.6	448.	12.1	2471.	12.7	2934.	12.9	5631.
41-25-00	98-15-00	0.	13.0	0.	15.9	40.	12.6	385.	12.1	346.	12.7	2257.	12.9	5140.
41-25-00	98-25-00	0.	13.1	57.	13.4	199.	13.3	591.	13.3	678.	13.0	4762.	13.4	3645.
41-25-00	98-35-00	382.	13.1	1012.	13.4	2200.	13.3	5123.	13.3	10342.	13.0	10510.	13.4	19332.
41-25-00	98-45-00	344.	13.6	627.	13.4	2360.	13.9	2678.	13.7	4318.	14.0	5419.	13.9	9936.
41-25-00	98-55-00	0.	13.6	15.	14.6	1982.	13.9	2042.	13.7	3962.	14.0	5132.	13.9	9080.
41-25-00	99-05-00	0.	14.0	208.	15.5	631.	13.9	628.	13.7	710.	14.0	3164.	13.9	4609.
41-25-00	99-15-00	0.	14.1	852.	16.1	2338.	14.2	2305.	13.9	3680.	14.2	3915.	14.2	7516.
41-25-00	99-25-00	0.	14.1	829.	16.1	2522.	14.2	2256.	13.9	3694.	14.2	8168.	14.2	7946.
41-25-00	99-35-00	0.	14.1	829.	16.1	899.	14.2	645.	13.9	2782.	14.2	3630.	14.2	5298.
41-25-00	99-45-00	0.	14.1	104.	16.1	325.	14.2	322.	13.9	2782.	14.2	7261.	14.2	6022.
41-25-00	99-55-00	0.	14.1	207.	16.1	597.	14.2	322.	13.9	556.	14.2	2228.	14.2	5298.
41-25-00	100-05-00	0.	14.1	518.	16.1	2000.	14.2	1932.	13.9	3894.	14.2	3636.	14.2	6022.
41-25-00	100-15-00	0.	15.1	104.	15.1	897.	14.4	2030.	14.9	3355.	15.5	4948.	15.5	8257.
41-25-00	100-25-00	0.	15.1	63.	15.1	996.	14.4	739.	14.9	1747.	15.5	3274.	15.5	5458.
41-25-00	100-35-00	0.	15.1	63.	15.1	526.	14.4	1144.	14.9	1235.	15.5	2469.	15.5	3571.
41-25-00	100-45-00	0.	15.1	379.	15.1	881.	17.0	738.	17.6	1015.	17.0	808.	17.7	1671.
41-25-00	100-55-00	0.	15.1	0.	15.1	0.	17.0	0.	17.6	133.	17.0	178.	17.7	92.
41-25-00	101-05-00	0.	15.5	0.	14.8	0.	18.5	0.	17.6	0.	18.6	0.	17.7	0.
41-25-00	101-15-00	0.	15.6	40.	14.8	169.	18.5	130.	17.6	332.	18.6	178.	17.7	2016.
41-25-00	101-25-00	0.	15.6	0.	15.8	83.	20.0	164.	16.0	230.	19.9	237.	19.5	2237.
41-25-00	101-35-00	0.	15.6	0.	15.8	0.	20.0	0.	16.0	97.	19.9	297.	19.5	889.
41-25-00	101-45-00	0.	15.6	0.	15.8	83.	20.0	34.	16.0	194.	19.9	297.	19.5	635.
41-25-00	101-55-00	0.	15.6	54.	15.8	83.	20.0	34.	16.0	296.	19.9	198.	19.5	508.
41-25-00	102-05-00	946.	15.5	625.	15.7	173.	15.2	912.	15.9	552.	16.5	1048.	15.6	3425.
41-25-00	102-15-00	582.	15.5	625.	15.7	866.	15.2	1084.	15.9	1043.	16.5	1886.	15.6	3854.
41-25-00	102-25-00	946.	15.5	1457.	15.7	866.	15.2	1003.	15.9	1078.	16.5	2095.	15.6	4287.
41-25-00	102-35-00	0.	15.5	125.	15.7	115.	15.2	72.	15.9	104.	16.5	524.	15.6	1070.
41-25-00	102-45-00	0.	14.3	0.	15.5	0.	14.6	0.	14.3	0.	15.1	0.	14.4	0.
41-25-00	102-55-00	0.	14.3	0.	15.5	44.	14.6	131.	14.3	51.	15.1	0.	14.4	287.
41-25-00	103-05-00	0.	14.0	0.	15.5	0.	14.6	66.	14.3	0.	15.4	162.	14.8	287.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
41-25-00	103-15-00	0.	14.0	0.	15.5	0.	14.6	0.	14.3	0.	15.4	162.	14.8	287.
41-25-00	103-25-00	0.	13.5	0.	14.1	0.	15.8	0.	13.4	0.	15.1	0.	14.3	595.
41-25-00	103-35-00	37.	13.5	39.	14.1	50.	15.8	96.	13.4	182.	15.1	470.	14.3	556.
41-25-00	103-45-00	0.	13.5	0.	14.1	243.	15.8	248.	13.4	670.	15.1	1185.	14.3	595.
41-25-00	103-55-00	0.	13.5	0.	14.1	0.	15.8	0.	13.4	0.	15.1	112.	14.3	382.
41-25-00	104-05-00	1613.	15.1	346.	14.9	1666.	15.1	1910.	15.2	2237.	14.6	2515.	14.2	3250.
41-25-00	104-15-00	1241.	15.1	432.	14.9	1309.	15.1	1501.	15.2	1757.	14.6	1935.	14.2	2500.
41-25-00	104-25-00	496.	15.1	0.	14.9	476.	15.1	546.	15.2	639.	14.6	774.	14.2	1000.
41-25-00	104-35-00	124.	15.1	0.	14.9	0.	15.1	0.	15.2	0.	14.6	194.	14.2	250.
41-25-00	104-45-00	124.	15.1	0.	14.9	0.	15.1	0.	15.2	0.	14.6	194.	14.2	250.
41-25-00	104-55-00	0.	15.1	0.	14.9	0.	15.1	0.	15.2	0.	14.6	0.	14.2	0.
41-25-00	105-05-00	0.	15.1	0.	14.9	0.	15.1	0.	15.2	0.	14.6	0.	14.2	0.
41-35-00	96-35-00	53.	12.0	206.	12.0	197.	10.9	1700.	11.4	4321.	11.1	4460.	11.0	8369.
41-35-00	96-45-00	235.	12.0	1028.	12.0	1871.	10.9	3401.	11.4	4397.	11.1	4920.	11.0	10461.
41-35-00	96-55-00	136.	12.0	205.	12.0	456.	11.7	497.	11.6	4692.	12.4	10138.	12.9	13043.
41-35-00	97-05-00	333.	11.6	198.	11.4	531.	11.7	629.	11.6	1800.	12.1	5678.	12.9	7790.
41-35-00	97-15-00	194.	13.1	432.	13.3	596.	12.7	2072.	12.5	2758.	12.6	7043.	12.3	10147.
41-35-00	97-25-00	0.	14.5	182.	13.3	2233.	12.7	2561.	12.5	3226.	12.6	8471.	12.3	12052.
41-35-00	97-35-00	24.	14.5	547.	13.3	2680.	12.7	2881.	12.5	3226.	12.6	7819.	12.3	12052.
41-35-00	97-45-00	0.	14.5	274.	13.3	2249.	12.7	4097.	12.5	5836.	12.6	8947.	12.3	12803.
41-35-00	97-55-00	1114.	12.6	1141.	12.7	4725.	12.7	4036.	12.5	5917.	12.7	10076.	12.7	16889.
41-35-00	98-05-00	577.	12.6	805.	12.7	3623.	12.7	3670.	12.4	5019.	12.7	7295.	12.7	13818.
41-35-00	98-15-00	901.	12.6	1000.	12.7	3726.	12.7	3680.	12.4	7579.	12.7	8465.	12.7	9074.
41-35-00	98-25-00	153.	13.6	228.	13.4	697.	13.3	2317.	13.3	3796.	13.9	5851.	13.8	9686.
41-35-00	98-35-00	0.	13.6	142.	13.4	598.	13.3	463.	13.3	723.	13.9	3510.	13.8	8717.
41-35-00	98-45-00	38.	14.5	118.	13.4	3092.	13.7	2026.	13.7	894.	14.4	4612.	14.0	10207.
41-35-00	98-55-00	0.	14.5	151.	14.6	5052.	13.7	4816.	13.7	5134.	14.4	5903.	14.0	16729.
41-35-00	99-05-00	0.	14.5	114.	14.6	2112.	13.7	2044.	13.7	3936.	14.4	5622.	13.9	8941.
41-35-00	99-15-00	0.	14.1	414.	16.1	625.	14.2	689.	13.9	1284.	14.2	1751.	14.2	5745.
41-35-00	99-25-00	0.	14.1	629.	16.1	2597.	14.2	2256.	13.9	3338.	14.2	4538.	14.2	6622.
41-35-00	99-35-00	0.	14.1	829.	16.1	3571.	14.2	2256.	13.9	3338.	14.2	3630.	14.2	6622.
41-35-00	99-45-00	0.	14.1	829.	16.1	2273.	14.2	1934.	13.9	3338.	14.2	4538.	14.2	6622.
41-35-00	99-55-00	0.	14.1	415.	16.1	625.	14.2	645.	13.9	2782.	14.2	4530.	14.2	5298.
41-35-00	100-05-00	0.	14.1	0.	16.1	0.	14.2	0.	13.9	0.	14.2	0.	14.2	0.
41-35-00	100-15-00	0.	14.1	0.	13.8	0.	14.1	0.	13.9	0.	14.2	0.	14.2	503.
41-35-00	100-25-00	0.	15.1	0.	13.8	588.	14.0	288.	14.9	397.	15.7	879.	15.5	1006.
41-35-00	100-35-00	0.	15.1	0.	13.8	0.	14.0	96.	14.9	44.	15.7	73.	15.5	1006.
41-35-00	100-45-00	0.	15.1	126.	14.8	248.	18.5	290.	17.6	597.	18.6	1406.	17.7	1833.
41-35-00	100-55-00	0.	15.1	0.	14.8	0.	18.5	0.	17.6	0.	18.6	1958.	17.7	2566.
41-35-00	101-05-00	0.	18.0	0.	14.8	0.	18.5	0.	17.6	0.	18.6	0.	17.7	0.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
41-35-00	101-15-00	0.	18.0	0.	14.8	0.	18.5	0.	17.6	0.	18.6	0.	17.7	0.
41-35-00	101-25-00	0.	20.0	0.	15.8	0.	20.0	0.	16.0	133.	19.9	297.	19.5	776.
41-35-00	101-35-00	0.	20.0	54.	15.8	166.	20.0	68.	16.0	447.	19.9	297.	19.5	506.
41-35-00	101-45-00	60.	20.0	119.	15.8	166.	20.0	68.	16.0	330.	19.9	198.	19.5	635.
41-35-00	101-55-00	0.	20.0	0.	15.6	0.	20.0	103.	16.0	97.	19.9	119.	19.5	254.
41-35-00	102-05-00	0.	15.5	125.	15.7	0.	15.2	72.	15.9	35.	16.5	210.	15.6	428.
41-35-00	102-15-00	0.	15.5	0.	15.7	0.	15.2	0.	15.9	0.	16.5	1886.	15.6	2141.
41-35-00	102-25-00	0.	15.5	0.	15.7	0.	15.2	0.	15.9	0.	16.5	210.	15.6	1070.
41-35-00	102-35-00	0.	15.5	125.	15.7	0.	15.2	0.	15.9	0.	16.5	524.	15.6	3211.
41-35-00	102-45-00	0.	13.1	0.	14.2	265.	14.6	262.	14.9	103.	15.7	835.	15.3	2668.
41-35-00	102-55-00	0.	13.1	0.	14.2	1458.	14.6	1574.	14.9	1367.	15.7	2714.	15.3	8286.
41-35-00	103-05-00	0.	13.1	0.	14.2	1458.	14.6	1574.	14.9	1489.	15.7	2192.	15.3	7011.
41-35-00	103-15-00	0.	13.1	0.	14.2	442.	14.6	787.	14.9	514.	15.7	1670.	15.3	2549.
41-35-00	103-25-00	564.	13.5	501.	14.1	825.	15.8	612.	13.4	744.	15.2	1782.	14.3	3805.
41-35-00	103-35-00	1127.	13.5	752.	14.1	1076.	15.8	1298.	13.4	1340.	15.2	2237.	14.3	4439.
41-35-00	103-45-00	845.	13.5	752.	14.1	1662.	15.8	1977.	13.4	3202.	15.2	2908.	14.3	6764.
41-35-00	103-55-00	282.	13.5	501.	14.1	179.	15.8	397.	13.4	1489.	15.2	2460.	14.3	5073.
41-35-00	104-05-00	124.	13.6	0.	14.7	0.	14.6	0.	14.6	0.	14.5	194.	14.4	250.
41-35-00	104-15-00	0.	13.6	0.	14.7	630.	14.6	1017.	14.8	1806.	14.5	3243.	14.9	4982.
41-35-00	104-25-00	0.	13.6	0.	14.7	0.	14.6	0.	14.8	0.	14.5	0.	14.4	0.
41-35-00	104-35-00	0.	13.6	0.	14.7	0.	14.6	0.	14.8	0.	14.5	0.	14.9	0.
41-35-00	104-45-00	248.	12.5	0.	14.5	238.	13.4	273.	14.3	320.	14.5	387.	13.4	500.
41-35-00	104-55-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
41-35-00	105-05-00	0.	15.1	0.	14.9	0.	15.1	0.	15.2	0.	14.6	0.	14.2	0.
41-35-00	105-15-00	0.	15.1	0.	14.9	0.	15.1	0.	15.2	0.	14.6	0.	14.2	0.
41-45-00	96-35-00	0.	12.0	0.	12.0	0.	10.9	0.	11.4	0.	11.1	0.	11.0	1377.
41-45-00	96-45-00	0.	12.0	44.	12.0	310.	10.9	622.	11.4	1039.	11.1	1865.	11.0	6627.
41-45-00	96-55-00	0.	12.0	44.	12.0	160.	11.7	121.	11.6	370.	12.4	1050.	12.9	1541.
41-45-00	97-05-00	0.	11.6	0.	11.4	157.	11.7	42.	11.6	278.	12.1	150.	12.9	729.
41-45-00	97-15-00	0.	14.5	0.	13.3	0.	12.7	0.	12.5	0.	12.6	0.	12.3	0.
41-45-00	97-25-00	0.	14.6	66.	13.3	94.	12.7	75.	12.5	264.	12.6	3154.	12.3	3658.
41-45-00	97-35-00	0.	14.6	0.	13.3	563.	12.7	621.	12.5	617.	12.6	3532.	12.3	7041.
41-45-00	97-45-00	0.	14.6	15.	13.3	1816.	12.7	2672.	12.5	2523.	12.6	5761.	12.3	12568.
41-45-00	97-55-00	229.	12.6	302.	12.7	2746.	12.7	2745.	12.5	3861.	12.7	6711.	12.7	13051.
41-45-00	98-05-00	167.	12.6	302.	12.7	2858.	12.7	2835.	12.4	3764.	12.7	7295.	12.7	10784.
41-45-00	98-15-00	38.	12.6	171.	12.7	482.	12.7	532.	12.4	254.	12.7	2724.	12.7	8190.
41-45-00	98-25-00	611.	13.6	684.	14.6	1793.	13.3	2085.	13.3	3072.	14.4	5815.	13.8	11041.
41-45-00	98-35-00	105.	13.6	166.	14.6	212.	13.3	153.	13.3	720.	14.4	2712.	13.8	4613.
41-45-00	98-45-00	0.	14.5	56.	14.6	208.	13.3	164.	13.3	412.	14.4	1755.	13.8	1857.
41-45-00	98-55-00	226.	14.5	282.	14.4	905.	13.7	501.	13.7	552.	14.6	3161.	14.0	3299.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
41-45-00	99-05-00	676.	14.3	636.	14.4	1934.	14.0	1937.	13.7	3003.	14.4	5375.	13.9	5257.
41-45-00	99-15-00	171.	14.1	414.	15.0	728.	14.2	618.	13.9	1301.	14.2	2566.	14.2	3319.
41-45-00	99-25-00	303.	14.1	381.	15.0	634.	14.2	449.	13.9	1977.	14.2	4030.	14.2	4775.
41-45-00	99-35-00	51.	14.1	242.	15.0	287.	14.2	231.	13.9	322.	14.2	1665.	14.2	2219.
41-45-00	99-45-00	0.	14.1	0.	17.3	0.	14.2	0.	13.9	40.	14.2	391.	14.2	301.
41-45-00	99-55-00	0.	14.1	0.	17.3	0.	14.2	0.	13.9	0.	14.2	0.	14.2	101.
41-45-00	100-05-00	0.	14.1	0.	16.1	0.	14.2	0.	15.9	0.	15.2	89.	16.1	101.
41-45-00	100-15-00	0.	15.1	0.	15.8	0.	14.1	0.	15.9	0.	15.2	131.	16.1	255.
41-45-00	100-25-00	0.	15.1	0.	13.8	0.	14.0	0.	16.5	0.	17.0	921.	15.4	754.
41-45-00	100-35-00	0.	15.1	0.	13.8	16.	14.0	30.	16.5	65.	17.0	63.	15.4	54.
41-45-00	100-45-00	0.	15.1	0.	14.8	0.	18.5	0.	16.5	0.	19.2	0.	16.4	54.
41-45-00	100-55-00	0.	15.1	0.	14.8	0.	18.5	0.	19.6	0.	19.2	0.	16.4	307.
41-45-00	101-05-00	0.	18.0	0.	18.0	0.	19.0	130.	18.6	297.	19.2	308.	17.7	948.
41-45-00	101-15-00	0.	18.0	0.	18.0	0.	19.0	0.	18.6	0.	19.2	219.	17.7	399.
41-45-00	101-25-00	0.	20.0	0.	18.0	0.	19.0	0.	18.6	0.	19.2	319.	17.7	302.
41-45-00	101-35-00	0.	20.0	116.	17.2	166.	19.7	68.	16.5	194.	19.7	119.	19.5	544.
41-45-00	101-45-00	0.	20.0	0.	17.2	0.	19.7	0.	16.5	97.	19.7	189.	19.5	357.
41-45-00	101-55-00	20.	20.0	90.	17.2	238.	19.7	127.	16.5	202.	19.7	268.	19.5	293.
41-45-00	102-05-00	0.	15.5	125.	15.7	0.	15.2	0.	15.9	0.	16.5	140.	15.6	214.
41-45-00	102-15-00	0.	15.5	0.	15.7	0.	15.2	0.	15.9	0.	16.5	0.	15.6	0.
41-45-00	102-25-00	0.	15.5	0.	15.7	0.	15.2	0.	15.9	0.	16.5	105.	15.6	214.
41-45-00	102-35-00	0.	15.5	0.	15.7	0.	15.2	0.	15.9	0.	16.5	0.	15.6	0.
41-45-00	102-45-00	0.	13.1	0.	14.2	0.	14.6	0.	14.9	0.	15.7	104.	15.3	637.
41-45-00	102-55-00	0.	13.1	0.	14.2	133.	14.6	131.	14.9	51.	15.7	522.	15.3	6055.
41-45-00	103-05-00	0.	13.1	0.	14.2	44.	14.6	66.	14.9	0.	15.7	104.	15.3	319.
41-45-00	103-15-00	0.	13.1	0.	14.2	310.	14.6	1181.	14.9	1232.	15.7	1670.	15.3	2549.
41-45-00	103-25-00	570.	13.1	673.	14.0	757.	14.0	1567.	14.5	1241.	14.3	1253.	14.3	1983.
41-45-00	103-35-00	71.	13.1	67.	14.0	428.	14.0	417.	14.5	320.	14.3	466.	14.3	135.
41-45-00	103-45-00	0.	13.1	0.	14.0	0.	14.0	0.	14.5	0.	14.3	0.	14.3	0.
41-45-00	103-55-00	0.	13.1	0.	14.0	0.	14.0	0.	14.5	0.	14.3	0.	14.3	67.
41-45-00	104-05-00	0.	13.6	0.	14.6	0.	14.2	0.	14.8	0.	14.5	0.	14.9	0.
41-45-00	104-15-00	0.	13.6	0.	14.6	1260.	14.2	2034.	14.8	3611.	14.5	6186.	14.9	9965.
41-45-00	104-25-00	0.	13.6	0.	14.6	158.	14.2	254.	14.8	451.	14.5	811.	14.9	1246.
41-45-00	104-35-00	0.	13.6	0.	14.6	0.	14.2	0.	14.8	0.	14.5	0.	14.9	0.
41-45-00	104-45-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
41-45-00	104-55-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
41-45-00	105-05-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
41-55-00	96-35-00	0.	13.0	0.	11.5	0.	12.8	0.	11.8	0.	11.5	0.	11.4	227.
41-55-00	96-45-00	119.	13.0	132.	11.5	1034.	12.8	1056.	11.8	1695.	11.5	1582.	11.4	4535.
41-55-00	96-55-00	0.	13.0	0.	11.5	517.	12.8	603.	11.8	1210.	11.5	1582.	11.4	5669.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
41-55-00	97-05-00	275.	15.0	272.	12.4	551.	12.0	1543.	11.9	2363.	12.1	2324.	12.0	4410.
41-55-00	97-15-00	138.	15.0	321.	12.4	1154.	12.0	2013.	11.9	2988.	12.1	3024.	12.0	6785.
41-55-00	97-25-00	48.	15.0	66.	15.3	1323.	12.7	1487.	12.6	1765.	12.6	3189.	12.2	6574.
41-55-00	97-35-00	0.	15.0	0.	15.3	747.	12.7	451.	12.6	389.	12.6	5478.	12.2	8581.
41-55-00	97-45-00	0.	15.0	0.	15.3	679.	12.7	1503.	12.6	1823.	12.6	5478.	12.2	8076.
41-55-00	97-55-00	0.	12.6	0.	12.7	2409.	12.7	1840.	12.4	2756.	12.7	7193.	12.7	15610.
41-55-00	98-05-00	156.	12.6	69.	12.7	2550.	12.7	2207.	12.4	3512.	12.7	8123.	12.7	17145.
41-55-00	98-15-00	0.	12.6	0.	12.7	224.	12.7	215.	12.4	1204.	12.7	3029.	12.7	5934.
41-55-00	98-25-00	0.	13.0	0.	15.8	106.	14.2	153.	14.1	91.	14.4	1427.	13.8	6882.
41-55-00	98-35-00	0.	13.0	0.	15.8	106.	14.2	153.	14.1	454.	14.4	2141.	13.8	4129.
41-55-00	98-45-00	0.	14.1	0.	15.8	0.	14.3	0.	13.6	45.	14.6	565.	14.8	792.
41-55-00	98-55-00	451.	14.1	101.	14.2	84.	14.3	44.	13.6	70.	14.6	276.	14.8	361.
41-55-00	99-05-00	0.	14.1	0.	14.2	26.	14.3	22.	13.6	35.	14.6	132.	14.8	120.
41-55-00	99-15-00	0.	14.5	0.	13.9	0.	14.3	0.	13.8	0.	14.6	0.	15.0	0.
41-55-00	99-25-00	0.	14.8	0.	13.9	0.	14.3	39.	13.8	0.	14.6	104.	15.0	123.
41-55-00	99-35-00	46.	14.8	173.	13.9	73.	14.3	295.	13.8	322.	14.6	1978.	15.0	2717.
41-55-00	99-45-00	13.	14.8	121.	18.5	258.	15.0	212.	15.9	1377.	16.2	3009.	16.1	4059.
41-55-00	99-55-00	0.	14.8	0.	18.5	0.	15.0	0.	15.9	135.	16.2	1333.	16.1	1811.
41-55-00	100-05-00	0.	15.1	48.	18.5	0.	16.0	0.	15.9	405.	16.2	800.	16.1	803.
41-55-00	100-15-00	36.	16.0	32.	18.5	75.	16.0	118.	15.9	271.	16.2	829.	16.1	886.
41-55-00	100-25-00	0.	16.0	0.	18.7	30.	18.0	59.	16.5	140.	18.4	163.	15.4	216.
41-55-00	100-35-00	0.	16.0	95.	18.7	45.	18.0	89.	16.5	187.	18.4	323.	15.4	514.
41-55-00	100-45-00	0.	16.0	0.	18.7	0.	18.0	0.	16.5	0.	18.4	42.	15.4	54.
41-55-00	100-55-00	0.	16.0	0.	19.6	0.	19.6	0.	19.6	0.	19.6	260.	16.4	614.
41-55-00	101-05-00	0.	15.0	0.	19.6	0.	19.6	0.	19.6	0.	19.6	130.	16.4	307.
41-55-00	101-15-00	0.	15.0	0.	19.6	0.	19.6	0.	19.6	164.	19.6	71.	16.4	307.
41-55-00	101-25-00	0.	15.0	0.	19.6	0.	19.6	0.	19.6	0.	19.6	0.	16.4	0.
41-55-00	101-35-00	0.	15.0	174.	19.5	143.	19.5	186.	17.0	17.	19.5	140.	19.5	387.
41-55-00	101-45-00	0.	15.0	0.	19.5	72.	19.5	0.	17.0	0.	19.5	70.	19.5	39.
41-55-00	101-55-00	0.	15.0	0.	19.5	0.	19.5	0.	17.0	17.	19.5	0.	19.5	39.
41-55-00	102-05-00	0.	15.5	0.	15.7	0.	15.2	0.	15.9	0.	16.5	105.	15.6	0.
41-55-00	102-15-00	0.	15.5	0.	15.7	0.	15.2	0.	15.9	0.	16.5	0.	15.6	214.
41-55-00	102-25-00	0.	15.5	0.	15.7	0.	15.2	36.	15.9	35.	16.5	210.	15.6	214.
41-55-00	102-35-00	0.	15.5	0.	15.7	0.	15.2	0.	15.9	0.	16.5	0.	15.6	0.
41-55-00	102-45-00	0.	13.1	0.	14.2	0.	14.2	0.	14.9	0.	15.7	0.	15.3	0.
41-55-00	102-55-00	0.	13.1	0.	14.2	44.	14.2	66.	14.9	51.	15.7	104.	15.3	0.
41-55-00	103-05-00	0.	13.1	0.	14.2	0.	14.6	131.	14.9	51.	15.7	104.	15.3	637.
41-55-00	103-15-00	0.	13.1	0.	14.2	0.	14.6	0.	14.9	51.	15.7	104.	15.3	319.
41-55-00	103-25-00	214.	12.6	67.	14.0	285.	14.0	278.	14.5	256.	14.3	175.	14.3	135.
41-55-00	103-35-00	1781.	12.6	1346.	14.0	1212.	14.0	973.	14.5	1151.	14.3	816.	14.3	1211.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
41-55-00	103-45-00	2137.	12.6	2020.	14.0	2138.	14.0	1876.	14.5	1791.	14.3	1282.	14.3	1884.
41-55-00	103-55-00	1923.	12.6	2221.	14.0	1639.	14.0	2084.	14.5	1407.	14.3	1282.	14.3	1346.
41-55-00	104-05-00	427.	13.6	337.	14.6	713.	14.2	278.	14.8	384.	14.5	624.	14.9	606.
41-55-00	104-15-00	0.	13.6	0.	14.6	0.	14.2	0.	14.8	0.	14.5	0.	14.9	0.
41-55-00	104-25-00	0.	13.6	0.	14.6	0.	14.2	0.	14.8	0.	14.5	0.	14.9	0.
41-55-00	104-35-00	0.	13.6	0.	14.6	158.	14.2	254.	14.8	451.	14.5	811.	14.9	1246.
41-55-00	104-45-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
41-55-00	104-55-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
41-55-00	105-05-00	284.	12.5	270.	14.5	270.	13.4	250.	14.3	250.	14.5	360.	13.9	805.
41-55-00	105-15-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
42-05-00	96-45-00	40.	14.5	0.	11.5	181.	12.8	302.	11.8	484.	11.5	685.	11.4	2268.
42-05-00	96-55-00	119.	14.5	44.	11.5	181.	12.8	121.	11.8	145.	11.5	316.	11.4	584.
42-05-00	97-05-00	138.	14.5	195.	12.4	367.	12.0	297.	11.9	979.	12.1	949.	12.0	3055.
42-05-00	97-15-00	0.	14.5	0.	12.4	26.	12.0	0.	11.9	0.	12.1	0.	12.0	728.
42-05-00	97-25-00	51.	15.0	155.	15.3	2431.	12.7	2417.	12.6	2690.	12.6	6249.	12.2	4668.
42-05-00	97-35-00	0.	15.0	0.	15.3	326.	12.7	205.	12.6	302.	12.6	5419.	12.2	13742.
42-05-00	97-45-00	0.	15.0	44.	15.3	1155.	12.7	1254.	12.6	1587.	12.6	8456.	12.2	14247.
42-05-00	97-55-00	227.	12.6	464.	12.2	2460.	12.2	2223.	12.8	2699.	13.1	9860.	12.8	12227.
42-05-00	98-05-00	108.	12.6	348.	12.7	1390.	12.2	1182.	12.8	3612.	13.1	7573.	12.8	13450.
42-05-00	98-15-00	0.	12.6	104.	12.7	1183.	12.2	1120.	12.8	3311.	13.1	9029.	12.8	13284.
42-05-00	98-25-00	0.	13.1	0.	15.8	766.	14.2	441.	14.1	4040.	14.4	6196.	13.8	6312.
42-05-00	98-35-00	0.	13.1	0.	15.8	0.	14.2	0.	14.1	45.	14.4	571.	13.8	1280.
42-05-00	98-45-00	0.	13.1	0.	15.8	131.	14.2	163.	14.1	750.	14.4	4907.	13.8	5332.
42-05-00	98-55-00	113.	14.1	56.	14.2	84.	14.3	44.	13.6	70.	14.6	1138.	14.8	1894.
42-05-00	99-05-00	0.	14.1	0.	14.2	0.	14.3	0.	13.6	0.	14.6	1525.	14.6	1849.
42-05-00	99-15-00	0.	14.8	0.	13.9	0.	14.3	0.	13.8	0.	14.6	1159.	15.0	790.
42-05-00	99-25-00	0.	14.8	20.	13.9	48.	14.3	18.	13.8	0.	14.6	1056.	15.0	4168.
42-05-00	99-35-00	57.	14.8	20.	13.9	48.	14.3	18.	13.8	109.	14.6	1370.	15.0	792.
42-05-00	99-45-00	0.	14.5	73.	18.5	42.	14.3	58.	15.9	0.	16.2	554.	16.1	1440.
42-05-00	99-55-00	0.	14.5	121.	18.5	243.	14.3	173.	15.9	541.	16.2	1798.	16.1	1776.
42-05-00	100-05-00	0.	13.1	0.	18.5	0.	14.0	0.	15.9	0.	16.2	1156.	16.1	1172.
42-05-00	100-15-00	27.	13.1	121.	18.5	237.	14.0	173.	15.9	471.	16.2	1558.	16.1	1847.
42-05-00	100-25-00	0.	13.1	0.	18.7	0.	18.0	0.	16.5	403.	18.4	648.	15.4	921.
42-05-00	100-35-00	0.	13.1	0.	18.7	16.	18.0	30.	16.5	197.	18.4	267.	15.4	216.
42-05-00	100-45-00	0.	13.1	32.	18.7	16.	18.0	30.	16.5	65.	18.4	42.	15.4	81.
42-05-00	100-55-00	0.	13.1	0.	19.6	0.	19.6	0.	19.6	0.	19.6	246.	16.4	54.
42-05-00	101-05-00	0.	13.0	307.	19.6	262.	19.6	323.	19.6	328.	19.6	443.	16.4	614.
42-05-00	101-15-00	0.	13.0	0.	19.6	129.	19.6	0.	19.6	0.	19.6	130.	16.4	478.
42-05-00	101-25-00	0.	13.0	0.	19.6	0.	19.6	0.	19.6	0.	19.6	0.	16.4	0.
42-05-00	101-35-00	0.	15.0	0.	19.5	0.	19.5	0.	18.5	0.	19.5	140.	19.5	193.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
42-05-00	101-45-00	0.	15.0	0.	19.5	0.	19.5	0.	18.5	8.	19.5	0.	19.5	0.
42-05-00	101-55-00	0.	15.0	0.	19.5	72.	19.5	93.	18.5	8.	19.5	244.	19.5	483.
42-05-00	102-05-00	0.	12.3	0.	14.7	0.	14.7	102.	14.5	310.	14.8	181.	15.0	0.
42-05-00	102-15-00	0.	12.3	0.	14.7	0.	14.7	0.	14.5	0.	14.8	181.	15.0	0.
42-05-00	102-25-00	0.	12.3	0.	14.7	0.	14.7	0.	14.5	0.	14.8	0.	15.0	0.
42-05-00	102-35-00	0.	12.3	0.	14.7	0.	14.7	0.	14.5	0.	14.8	722.	15.0	394.
42-05-00	102-45-00	1240.	13.6	1082.	13.9	3039.	13.5	3502.	14.8	2041.	13.1	1771.	13.9	5787.
42-05-00	102-55-00	5455.	13.6	6616.	13.9	7416.	13.5	8242.	14.8	13063.	13.1	13801.	13.9	19015.
42-05-00	103-05-00	744.	13.6	827.	13.9	1978.	13.5	4286.	14.8	5715.	13.1	5261.	13.9	11574.
42-05-00	103-15-00	0.	13.6	165.	13.9	494.	13.9	1648.	14.8	1225.	13.1	1180.	13.9	2480.
42-05-00	103-25-00	200.	13.6	165.	13.9	247.	14.3	330.	15.5	300.	16.1	590.	15.5	627.
42-05-00	103-35-00	0.	13.3	0.	14.9	0.	14.3	0.	15.5	0.	16.1	0.	15.5	0.
42-05-00	103-45-00	200.	13.3	161.	14.9	33.	14.3	30.	15.5	71.	16.1	50.	15.5	2059.
42-05-00	103-55-00	1859.	13.3	1451.	14.9	1686.	14.3	2759.	15.5	2843.	16.1	2959.	15.5	4365.
42-05-00	104-05-00	0.	13.6	161.	14.6	66.	14.2	30.	14.8	343.	14.5	601.	14.9	659.
42-05-00	104-15-00	0.	13.6	0.	14.6	0.	14.2	0.	14.8	0.	14.5	0.	14.9	0.
42-05-00	104-25-00	0.	13.6	0.	14.6	0.	14.2	0.	14.8	0.	14.5	0.	14.9	0.
42-05-00	104-35-00	0.	13.6	0.	14.6	0.	14.2	0.	14.8	0.	14.5	0.	14.9	0.
42-05-00	104-45-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
42-05-00	104-55-00	569.	12.5	540.	14.5	539.	13.4	500.	14.3	500.	14.5	720.	13.9	1611.
42-05-00	105-05-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
42-05-00	105-15-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
42-15-00	96-55-00	0.	14.5	0.	11.5	376.	12.0	409.	11.6	581.	11.9	300.	12.0	500.
42-15-00	97-05-00	0.	14.3	65.	12.3	286.	12.0	467.	11.6	664.	11.9	579.	12.0	3892.
42-15-00	97-15-00	0.	14.3	0.	12.3	155.	12.0	292.	11.6	166.	11.9	163.	12.0	2743.
42-15-00	97-25-00	50.	14.5	54.	12.3	54.	12.7	55.	12.3	108.	12.5	1489.	12.3	6584.
42-15-00	97-35-00	50.	14.5	102.	12.3	322.	12.7	548.	12.3	1080.	12.5	2978.	12.3	10322.
42-15-00	97-45-00	0.	14.5	72.	12.3	215.	12.7	274.	12.3	648.	12.5	2978.	12.3	10322.
42-15-00	97-55-00	0.	12.6	70.	12.2	1295.	12.2	1182.	12.8	3612.	13.1	8764.	12.8	14673.
42-15-00	98-05-00	72.	12.6	104.	12.2	547.	12.2	537.	12.8	2408.	13.1	7573.	12.8	12227.
42-15-00	98-15-00	0.	12.6	0.	12.2	659.	12.2	645.	12.8	3311.	13.1	7573.	12.8	10288.
42-15-00	98-25-00	0.	12.6	20.	12.3	131.	12.2	163.	12.4	680.	13.0	2913.	13.1	3458.
42-15-00	98-35-00	0.	12.6	66.	12.3	421.	12.2	327.	12.4	680.	13.0	1912.	13.1	2187.
42-15-00	98-45-00	0.	12.6	0.	12.3	0.	12.2	163.	12.4	680.	13.0	3913.	13.1	3915.
42-15-00	98-55-00	0.	12.6	0.	12.3	0.	12.2	0.	12.4	0.	13.0	0.	13.1	0.
42-15-00	99-05-00	0.	12.6	0.	12.3	0.	12.2	0.	12.4	0.	13.0	0.	13.1	0.
42-15-00	99-15-00	0.	19.3	0.	19.3	0.	15.5	0.	16.4	0.	13.6	0.	13.7	0.
42-15-00	99-25-00	0.	19.3	0.	19.3	0.	15.5	0.	16.4	0.	13.6	847.	13.7	9225.
42-15-00	99-35-00	57.	19.3	0.	19.3	0.	15.5	0.	16.4	0.	13.6	1058.	13.7	3798.
42-15-00	99-45-00	0.	12.8	0.	15.5	115.	13.9	0.	14.4	0.	13.8	465.	13.7	2008.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
42-15-00	99-55-00	0.	12.8	0.	15.5	115.	13.9	70.	14.4	231.	13.8	2327.	13.7	3347.
42-15-00	100-05-00	0.	12.8	0.	15.5	0.	13.9	0.	14.4	0.	13.8	183.	13.7	669.
42-15-00	100-15-00	0.	11.8	0.	19.3	70.	18.5	0.	17.6	427.	16.2	1091.	15.6	1139.
42-15-00	100-25-00	0.	11.8	0.	19.3	0.	18.5	51.	17.6	0.	16.2	366.	15.6	760.
42-15-00	100-35-00	0.	11.8	0.	19.3	140.	18.5	51.	17.6	395.	16.2	549.	15.6	760.
42-15-00	100-45-00	0.	11.8	0.	19.3	140.	18.5	51.	17.6	132.	16.2	183.	15.6	180.
42-15-00	100-55-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	0.	15.6	0.
42-15-00	101-05-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	0.	15.6	0.
42-15-00	101-15-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	183.	15.6	200.
42-15-00	101-25-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	0.	15.6	0.
42-15-00	101-35-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	0.	15.6	0.
42-15-00	101-45-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	0.	15.6	0.
42-15-00	101-55-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	0.	15.6	0.
42-15-00	102-05-00	0.	12.3	0.	14.7	0.	14.7	0.	14.5	0.	14.8	0.	15.0	0.
42-15-00	102-15-00	0.	12.3	0.	14.7	73.	14.7	102.	14.5	0.	14.8	0.	15.0	0.
42-15-00	102-25-00	0.	12.3	0.	14.7	0.	14.7	0.	14.5	0.	14.8	0.	15.0	0.
42-15-00	102-35-00	0.	12.3	90.	14.7	0.	14.7	0.	14.5	0.	14.8	0.	15.0	0.
42-15-00	102-45-00	124.	13.6	752.	13.9	1052.	13.5	1091.	14.8	512.	13.1	2492.	13.9	2047.
42-15-00	102-55-00	1860.	13.6	3269.	13.9	3708.	13.5	4615.	14.8	6531.	13.1	10031.	13.9	15708.
42-15-00	103-05-00	1860.	13.6	2481.	13.9	3914.	13.5	4945.	14.8	6939.	13.1	9441.	13.9	14881.
42-15-00	103-15-00	868.	13.6	827.	13.9	1236.	13.5	1648.	14.8	3482.	13.1	8851.	13.9	8267.
42-15-00	103-25-00	224.	13.6	165.	13.9	547.	13.5	669.	14.8	643.	13.1	640.	13.9	827.
42-15-00	103-35-00	0.	13.3	0.	14.9	0.	14.3	0.	15.5	0.	16.1	50.	15.5	0.
42-15-00	103-45-00	0.	13.3	0.	14.9	0.	14.3	30.	15.5	0.	16.1	0.	15.5	0.
42-15-00	103-55-00	0.	13.3	0.	14.9	0.	14.3	0.	15.5	0.	16.1	0.	15.5	0.
42-15-00	104-05-00	0.	13.6	0.	14.6	0.	14.2	0.	14.8	0.	14.5	102.	14.9	165.
42-15-00	104-15-00	0.	13.6	0.	14.6	0.	14.2	0.	14.8	0.	14.5	0.	14.9	0.
42-15-00	104-25-00	0.	13.6	0.	14.6	0.	14.2	0.	14.8	0.	14.5	0.	14.9	0.
42-15-00	104-35-00	0.	13.6	0.	14.6	0.	14.2	0.	14.8	0.	14.5	0.	14.9	0.
42-15-00	104-45-00	0.	12.5	0.	14.5	0.	14.4	0.	14.3	0.	14.5	0.	13.9	0.
42-15-00	104-55-00	1706.	12.5	1620.	14.6	1617.	14.4	1500.	14.3	1500.	14.5	2161.	13.9	4832.
42-15-00	105-05-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
42-15-00	105-15-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
42-25-00	97-05-00	74.	11.5	0.	12.3	624.	15.6	612.	14.6	1058.	12.8	1564.	12.3	10805.
42-25-00	97-15-00	0.	11.5	0.	12.3	325.	15.6	347.	14.6	925.	12.8	1871.	12.3	16105.
42-25-00	97-25-00	0.	11.8	0.	12.3	54.	12.7	55.	12.3	152.	12.5	410.	12.3	1970.
42-25-00	97-35-00	0.	11.8	241.	12.3	2632.	12.7	2523.	12.3	4211.	12.5	5956.	12.3	10322.
42-25-00	97-45-00	0.	11.8	54.	12.3	860.	12.7	1096.	12.3	2051.	12.5	4467.	12.3	11613.
42-25-00	97-55-00	10.	12.6	35.	12.2	832.	12.2	860.	12.8	1806.	13.1	8466.	12.8	11004.
42-25-00	98-05-00	0.	12.6	0.	12.2	112.	12.2	215.	12.8	903.	13.1	6059.	12.8	8559.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	
42-25-00	98-15-00	0.	12.6	0.	12.2	224.	12.2	215.	12.8	602.	13.1	5301.	12.8	9572.
42-25-00	98-25-00	0.	12.6	39.	12.3	1044.	12.2	1307.	12.4	2039.	13.0	21844.	13.1	22560.
42-25-00	98-35-00	0.	12.6	0.	12.3	131.	12.2	163.	12.4	1359.	13.0	7281.	13.1	8373.
42-25-00	98-45-00	0.	12.6	0.	12.3	0.	12.2	163.	12.4	680.	13.0	2913.	13.1	3915.
42-25-00	98-55-00	0.	12.6	0.	12.3	0.	12.2	163.	12.4	680.	13.0	1456.	13.1	2458.
42-25-00	99-05-00	0.	12.6	0.	12.3	0.	12.2	0.	12.4	0.	13.0	1456.	13.1	2458.
42-25-00	99-15-00	0.	19.3	0.	19.3	0.	15.5	163.	16.4	680.	13.6	3125.	13.7	3458.
42-25-00	99-25-00	0.	19.3	0.	19.3	0.	15.5	0.	16.4	69.	13.6	1058.	13.7	2171.
42-25-00	99-35-00	57.	19.3	20.	19.3	134.	15.5	53.	16.4	340.	13.6	4868.	13.7	11395.
42-25-00	99-45-00	0.	12.8	0.	15.5	58.	13.9	0.	14.4	0.	13.8	465.	13.7	2677.
42-25-00	99-55-00	83.	12.8	68.	15.5	346.	13.9	140.	14.4	693.	13.8	4653.	13.7	10041.
42-25-00	100-05-00	0.	12.8	0.	15.5	403.	13.9	70.	14.4	462.	13.8	2792.	13.7	3347.
42-25-00	100-15-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	183.	15.6	1519.
42-25-00	100-25-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	183.	15.6	380.
42-25-00	100-35-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	150.	16.2	183.	15.6	0.
42-25-00	100-45-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	183.	15.6	200.
42-25-00	100-55-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	150.	16.2	183.	15.6	0.
42-25-00	101-05-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	0.	15.6	0.
42-25-00	101-15-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	132.	16.2	183.	15.6	180.
42-25-00	101-25-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	132.	16.2	0.	15.6	0.
42-25-00	101-35-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	0.	15.6	0.
42-25-00	101-45-00	0.	11.8	0.	19.3	70.	18.5	0.	17.6	0.	16.2	0.	15.6	0.
42-25-00	101-55-00	0.	11.8	171.	19.3	140.	18.5	102.	17.6	95.	16.2	183.	15.6	380.
42-25-00	102-05-00	0.	12.3	0.	14.7	73.	14.7	153.	14.5	200.	14.8	361.	15.0	300.
42-25-00	102-15-00	0.	12.3	90.	14.7	364.	14.7	307.	14.5	103.	14.8	542.	15.0	500.
42-25-00	102-25-00	0.	12.3	0.	14.7	0.	14.7	202.	14.5	300.	14.8	542.	15.0	500.
42-25-00	102-35-00	0.	12.4	0.	14.7	436.	14.7	1329.	14.5	1359.	14.8	1445.	15.0	2959.
42-25-00	102-45-00	0.	13.6	300.	13.9	538.	13.5	1740.	14.8	1859.	13.1	2167.	13.9	5768.
42-25-00	102-55-00	124.	13.6	2338.	13.9	699.	13.5	1553.	14.8	816.	13.1	1770.	13.9	5918.
42-25-00	103-05-00	0.	13.6	165.	13.9	653.	13.5	421.	14.8	0.	13.1	590.	13.9	1463.
42-25-00	103-15-00	0.	13.6	165.	13.9	222.	13.5	1151.	14.8	0.	13.1	0.	13.9	1018.
42-25-00	103-25-00	0.	13.6	0.	13.9	0.	13.5	0.	14.8	0.	13.1	869.	13.9	32.
42-25-00	103-35-00	234.	13.3	242.	14.9	198.	14.3	30.	15.5	257.	16.1	201.	15.5	824.
42-25-00	103-45-00	300.	13.3	322.	14.9	661.	14.3	30.	15.5	214.	16.1	251.	15.5	0.
42-25-00	103-55-00	0.	13.3	0.	14.9	0.	14.3	0.	15.5	0.	16.1	50.	15.5	0.
42-25-00	104-05-00	0.	13.6	0.	14.6	63.	14.2	102.	14.8	181.	14.5	324.	14.9	498.
42-25-00	104-15-00	0.	13.6	0.	14.6	630.	14.2	1017.	14.8	1806.	14.5	3243.	14.9	4982.
42-25-00	104-25-00	0.	13.6	0.	14.6	0.	14.2	0.	14.8	0.	14.5	0.	14.9	0.
42-25-00	104-35-00	0.	13.6	0.	14.6	0.	14.2	0.	14.8	0.	14.5	0.	14.9	0.
42-25-00	104-45-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
42-25-00	104-55-00	284.	12.5	270.	14.5	270.	13.4	250.	14.3	250.	14.5	360.	13.9	605.
42-25-00	105-05-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
42-25-00	105-15-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
42-25-00	105-25-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
42-35-00	97-15-00	74.	11.5	45.	12.3	1003.	15.6	483.	14.6	588.	12.8	1844.	12.3	9716.
42-35-00	97-25-00	0.	11.5	0.	12.3	108.	15.6	147.	14.6	696.	12.8	1229.	12.3	4416.
42-35-00	97-35-00	0.	11.5	0.	12.3	0.	13.0	0.	13.0	0.	13.0	0.	13.0	0.
42-35-00	98-25-00	0.	12.0	0.	12.3	0.	12.2	163.	12.4	1359.	13.0	18932.	13.1	20102.
42-35-00	98-35-00	0.	12.0	0.	12.3	131.	12.2	163.	12.4	680.	13.0	2913.	13.1	3187.
42-35-00	98-45-00	0.	12.6	0.	12.3	131.	12.2	327.	12.4	2718.	13.0	7281.	13.1	8644.
42-35-00	98-55-00	0.	12.6	15.	12.3	8354.	12.2	10127.	12.4	44170.	13.0	43688.	13.1	50577.
42-35-00	99-05-00	0.	12.6	66.	12.3	1305.	12.2	1633.	12.4	6795.	13.0	5825.	13.1	7288.
42-35-00	99-15-00	0.	19.3	59.	12.3	962.	12.2	508.	16.4	2926.	13.6	3548.	13.7	10171.
42-35-00	99-25-00	0.	19.3	0.	19.3	0.	15.5	0.	16.4	69.	13.6	847.	13.7	4341.
42-35-00	99-35-00	57.	19.3	120.	19.3	209.	15.5	337.	16.4	6094.	13.6	7831.	13.7	13023.
42-35-00	99-45-00	166.	12.8	103.	15.5	691.	13.9	770.	14.4	1155.	13.8	5750.	13.7	7363.
42-35-00	99-55-00	1326.	12.8	3184.	15.5	3918.	13.9	5944.	14.4	20091.	13.8	21988.	13.7	22089.
42-35-00	100-05-00	0.	12.8	34.	15.5	58.	13.9	0.	14.4	231.	13.8	6653.	13.7	11379.
42-35-00	100-15-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	366.	15.6	1418.
42-35-00	100-25-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	183.	15.6	380.
42-35-00	100-35-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	132.	16.2	183.	15.6	500.
42-35-00	100-45-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	183.	15.6	500.
42-35-00	100-55-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	0.	15.6	0.
42-35-00	101-05-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	366.	15.6	500.
42-35-00	101-15-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	366.	15.6	500.
42-35-00	101-25-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	0.	15.6	0.
42-35-00	101-35-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	0.	15.6	0.
42-35-00	101-45-00	0.	11.8	57.	19.3	140.	18.5	102.	17.6	395.	16.2	366.	15.6	500.
42-35-00	101-55-00	0.	11.8	57.	19.3	70.	18.5	51.	17.6	0.	16.2	366.	15.6	580.
42-35-00	102-05-00	0.	12.3	0.	14.7	0.	14.7	0.	14.5	0.	14.8	183.	15.0	788.
42-35-00	102-15-00	0.	12.3	0.	14.7	0.	14.7	0.	14.5	0.	14.8	181.	15.0	394.
42-35-00	102-25-00	0.	12.3	0.	14.7	364.	14.7	511.	14.5	503.	14.8	542.	15.0	394.
42-35-00	102-35-00	0.	12.3	450.	14.7	1091.	14.7	1534.	14.5	1659.	14.8	2709.	15.0	8667.
42-35-00	102-45-00	0.	13.0	450.	15.0	1812.	14.7	1125.	15.4	1452.	15.7	1987.	14.8	6761.
42-35-00	102-55-00	0.	13.0	0.	15.0	159.	14.7	613.	15.4	0.	15.7	0.	14.8	636.
42-35-00	103-05-00	0.	13.0	0.	15.0	159.	14.7	91.	15.4	0.	15.7	0.	14.8	127.
42-35-00	103-15-00	0.	13.0	0.	15.0	0.	14.7	0.	15.4	0.	15.7	0.	14.8	0.
42-35-00	103-25-00	0.	13.0	0.	15.0	0.	14.7	183.	15.4	0.	15.7	0.	14.8	64.
42-35-00	103-35-00	500.	13.3	861.	14.9	562.	14.3	30.	15.5	214.	16.1	201.	15.5	82.
42-35-00	103-45-00	0.	13.3	0.	14.9	0.	14.3	0.	15.5	0.	16.1	0.	15.5	0.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
42-35-00	103-55-00	0.	13.3	81.	14.9	99.	14.3	30.	15.5	129.	16.1	50.	15.5	82.
42-35-00	104-05-00	0.	13.6	0.	14.6	15.	14.2	32.	14.8	306.	14.5	272.	14.9	312.
42-35-00	104-15-00	0.	13.6	0.	14.6	132.	14.2	232.	14.8	820.	14.5	1042.	14.9	1526.
42-35-00	104-25-00	0.	13.6	0.	14.6	187.	14.2	318.	14.8	891.	14.5	1255.	14.9	1876.
42-35-00	104-35-00	0.	13.6	0.	14.6	0.	14.2	0.	14.8	0.	14.5	0.	14.9	0.
42-35-00	104-45-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
42-35-00	104-55-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
42-35-00	105-05-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
42-35-00	105-15-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
42-35-00	105-25-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
42-35-00	105-35-00	0.	12.5	0.	14.5	0.	13.4	0.	14.3	0.	14.5	0.	13.9	0.
42-45-00	99-05-00	0.	12.6	0.	12.3	0.	12.2	0.	12.4	0.	13.0	2913.	13.1	5187.
42-45-00	99-15-00	0.	19.3	0.	12.3	46.	12.2	0.	12.4	69.	13.6	212.	13.7	1729.
42-45-00	99-25-00	0.	19.3	0.	19.3	0.	15.5	0.	16.4	69.	13.6	212.	13.7	2171.
42-45-00	99-35-00	0.	19.3	0.	19.3	0.	15.5	0.	16.4	0.	13.6	742.	13.7	2877.
42-45-00	99-45-00	0.	12.8	0.	15.5	0.	13.9	0.	14.4	0.	13.8	1336.	13.7	2877.
42-45-00	99-55-00	83.	12.8	34.	15.5	56.	13.9	0.	14.4	0.	13.8	762.	13.7	1339.
42-45-00	100-05-00	0.	12.8	0.	15.5	0.	13.9	0.	14.4	0.	13.8	0.	13.7	0.
42-45-00	100-15-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	0.	15.6	0.
42-45-00	100-25-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	132.	16.2	183.	15.6	380.
42-45-00	100-35-00	0.	11.8	0.	19.3	70.	18.5	51.	17.6	263.	16.2	366.	15.6	380.
42-45-00	100-45-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	0.	15.6	0.
42-45-00	100-55-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	132.	16.2	183.	15.6	380.
42-45-00	101-05-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	0.	15.6	0.
42-45-00	101-15-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	132.	16.2	549.	15.6	760.
42-45-00	101-25-00	0.	11.8	57.	19.3	70.	18.5	102.	17.6	427.	16.2	732.	15.6	1899.
42-45-00	101-35-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	183.	15.6	380.
42-45-00	101-45-00	0.	11.8	57.	19.3	70.	18.5	153.	17.6	263.	16.2	549.	15.6	760.
42-45-00	101-55-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	366.	15.6	1139.
42-45-00	102-05-00	0.	12.3	0.	14.7	364.	14.7	1227.	14.5	968.	14.8	2001.	15.0	5051.
42-45-00	102-15-00	0.	12.3	450.	14.7	727.	14.7	1725.	14.5	1725.	14.8	2348.	15.0	6303.
42-45-00	102-25-00	0.	12.3	225.	14.7	562.	14.7	1644.	14.5	1644.	14.8	1264.	15.0	1970.
42-45-00	102-35-00	0.	12.3	0.	14.7	0.	14.7	0.	14.5	0.	14.8	0.	15.0	0.
42-45-00	102-45-00	0.	13.0	0.	15.0	0.	14.7	0.	15.4	0.	15.7	0.	14.8	0.
42-45-00	102-55-00	0.	13.0	0.	15.0	0.	14.7	0.	15.4	0.	15.7	0.	14.8	0.
42-45-00	103-05-00	0.	13.0	0.	15.0	0.	14.7	0.	15.4	0.	15.7	0.	14.8	0.
42-45-00	103-35-00	0.	13.3	0.	14.9	0.	14.3	0.	15.5	0.	16.1	0.	15.5	0.
42-45-00	103-45-00	0.	13.3	0.	14.9	0.	14.3	0.	15.5	0.	16.1	0.	15.5	0.
42-45-00	103-55-00	0.	13.3	0.	14.9	0.	14.3	0.	15.5	0.	16.1	0.	15.5	0.
42-45-00	104-05-00	0.	16.8	0.	16.6	37.	16.7	79.	16.8	549.	16.3	555.	14.5	780.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
42-45-00	104-15-00	0.	16.8	0.	16.6	523.	16.7	1112.	16.8	7685.	16.3	7771.	14.5	10922.
42-45-00	104-25-00	0.	16.8	0.	16.6	75.	16.7	159.	16.8	1098.	16.3	1110.	14.5	1560.
42-45-00	104-35-00	0.	16.8	0.	16.6	15.	16.7	32.	16.8	220.	16.3	222.	14.5	312.
42-45-00	104-45-00	0.	16.8	0.	16.6	15.	16.7	32.	16.8	220.	16.3	222.	14.5	312.
42-45-00	104-55-00	0.	16.8	0.	16.6	0.	16.7	0.	16.8	0.	16.3	0.	14.5	0.
42-45-00	105-05-00	0.	13.5	0.	15.0	0.	14.0	0.	15.5	0.	15.0	0.	15.0	0.
42-45-00	105-15-00	0.	13.5	0.	15.0	0.	14.0	0.	15.5	0.	15.0	0.	15.0	0.
42-45-00	105-25-00	0.	13.5	0.	15.0	0.	14.0	0.	15.5	0.	15.0	0.	15.0	0.
42-45-00	105-35-00	0.	13.5	0.	15.0	0.	14.0	0.	15.5	0.	15.0	0.	15.0	0.
42-45-00	105-45-00	0.	13.5	0.	15.0	0.	14.0	0.	15.5	0.	15.0	0.	15.0	0.
42-55-00	98-55-00	0.	12.6	0.	16.0	0.	12.5	0.	13.0	0.	14.0	0.	14.0	0.
42-55-00	99-15-00	0.	19.3	0.	12.3	0.	12.5	0.	13.0	0.	13.0	297.	14.0	151.
42-55-00	99-25-00	0.	19.3	0.	12.3	571.	12.5	246.	12.9	293.	14.1	148.	13.4	303.
42-55-00	99-35-00	0.	19.3	0.	17.0	0.	13.0	0.	12.9	0.	14.1	74.	13.4	303.
42-55-00	99-45-00	0.	12.8	0.	17.0	0.	13.0	246.	12.9	651.	14.1	742.	13.4	303.
42-55-00	99-55-00	0.	12.8	0.	17.0	0.	13.0	253.	12.9	1626.	14.1	1930.	13.4	3483.
42-55-00	100-05-00	0.	12.0	0.	14.0	0.	13.0	0.	14.4	976.	14.1	1856.	13.4	3483.
42-55-00	100-15-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	732.	15.6	3418.
42-55-00	100-25-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	66.	16.2	183.	15.6	380.
42-55-00	100-35-00	0.	11.8	0.	19.3	70.	18.5	102.	17.6	427.	16.2	1648.	15.6	6456.
42-55-00	100-45-00	0.	11.8	0.	19.3	0.	18.5	102.	17.6	395.	16.2	549.	15.6	760.
42-55-00	100-55-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	263.	16.2	2014.	15.6	4557.
42-55-00	101-05-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	366.	15.6	380.
42-55-00	101-15-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	132.	16.2	549.	15.6	1139.
42-55-00	101-25-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	549.	15.6	380.
42-55-00	101-35-00	0.	11.8	171.	19.3	279.	18.5	153.	17.6	427.	16.2	732.	15.6	760.
42-55-00	101-45-00	0.	11.8	0.	19.3	0.	18.5	0.	17.6	0.	16.2	183.	15.6	380.
42-55-00	101-55-00	0.	11.8	0.	19.3	0.	18.5	51.	17.6	0.	16.2	0.	15.6	0.
42-55-00	102-05-00	0.	12.3	90.	14.7	364.	14.7	307.	14.5	207.	14.8	181.	15.0	200.
42-55-00	102-15-00	0.	12.3	0.	14.7	364.	14.7	205.	14.5	207.	14.8	361.	15.0	982.
42-55-00	102-25-00	0.	12.3	90.	14.7	364.	14.7	0.	14.5	0.	14.8	0.	15.0	0.
42-55-00	102-35-00	0.	12.3	0.	14.7	0.	14.7	0.	14.5	0.	14.8	0.	15.0	0.
42-55-00	102-45-00	0.	12.3	0.	14.7	0.	14.7	0.	14.5	0.	14.8	0.	15.0	0.
42-55-00	104-05-00	0.	16.8	0.	16.6	0.	16.7	0.	16.8	0.	16.3	0.	14.5	0.
42-55-00	104-15-00	0.	16.8	0.	16.6	0.	16.7	0.	16.8	0.	16.3	0.	14.5	0.
42-55-00	104-25-00	0.	16.8	0.	16.6	0.	16.7	0.	16.8	0.	16.3	0.	14.5	0.
42-55-00	104-35-00	0.	16.8	0.	16.6	0.	16.7	0.	16.8	0.	16.3	0.	14.5	0.
42-55-00	104-45-00	0.	16.8	0.	16.6	0.	16.7	0.	16.8	0.	16.3	0.	14.5	0.
43-05-00	99-15-00	0.	14.0	0.	14.0	0.	15.0	0.	13.0	0.	14.5	0.	14.5	0.
43-05-00	99-25-00	0.	14.0	0.	14.0	0.	15.0	0.	13.0	0.	14.5	0.	14.5	0.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
43-05-00	99-35-00	0.	14.0	0.	14.0	0.	15.0	0.	13.0	0.	14.5	0.	14.5	0.
43-05-00	99-45-00	0.	14.0	0.	14.0	0.	15.0	0.	13.0	0.	14.5	0.	14.5	0.
43-05-00	99-55-00	0.	14.0	0.	14.0	0.	15.0	0.	13.0	180.	14.5	231.	14.5	0.
43-05-00	100-05-00	0.	17.0	0.	12.1	0.	17.7	0.	19.0	0.	14.3	0.	14.9	0.
43-05-00	100-15-00	3.	17.0	18.	12.1	8.	17.7	0.	19.0	38.	14.3	45.	14.9	142.
43-05-00	100-25-00	0.	17.0	0.	12.1	0.	17.7	0.	19.0	0.	14.3	0.	14.9	0.
43-05-00	100-35-00	27.	17.0	156.	12.1	69.	17.7	0.	19.0	326.	14.3	386.	14.9	1211.
43-05-00	100-45-00	104.	17.0	598.	12.1	265.	17.7	0.	19.0	1246.	14.3	1474.	14.9	4629.
43-05-00	100-55-00	5.	17.0	28.	12.1	12.	17.7	0.	19.0	58.	14.3	68.	14.9	214.
43-05-00	101-05-00	2.	17.1	9.	12.1	5.	17.7	0.	19.0	19.	14.3	23.	14.9	71.
43-05-00	101-15-00	5.	17.1	53.	12.1	20.	17.7	7.	19.0	38.	14.3	131.	14.9	405.
43-05-00	101-25-00	3.	17.1	44.	15.0	15.	19.5	7.	20.2	19.	15.8	108.	16.0	334.
43-05-00	101-35-00	1.	17.1	17.	15.0	6.	19.5	3.	20.2	8.	15.8	43.	16.0	134.
43-05-00	101-45-00	3.	17.1	44.	15.0	15.	19.5	7.	20.2	19.	15.8	108.	16.0	334.
43-05-00	101-55-00	1.	17.1	17.	15.0	6.	19.5	3.	20.2	8.	15.8	43.	16.0	134.
43-05-00	102-05-00	3.	17.6	44.	19.1	15.	19.5	7.	20.2	19.	15.8	108.	16.0	334.
43-05-00	102-15-00	0.	17.6	0.	19.1	0.	10.5	0.	13.5	0.	17.7	0.	16.6	0.
43-05-00	102-25-00	0.	17.6	0.	19.1	0.	10.5	0.	13.5	0.	17.7	0.	16.6	0.
43-05-00	102-35-00	0.	17.6	0.	19.1	0.	10.5	0.	13.5	0.	17.7	0.	16.6	0.
43-05-00	102-45-00	0.	17.6	0.	19.1	0.	10.5	0.	13.5	0.	17.7	0.	16.6	0.
43-05-00	104-15-00	0.	13.5	0.	15.0	0.	14.0	0.	15.5	0.	15.0	0.	15.0	0.
43-05-00	104-25-00	0.	16.8	0.	16.6	0.	16.7	0.	16.8	0.	16.3	0.	14.5	0.
43-15-00	99-45-00	0.	14.0	0.	14.0	0.	15.0	0.	13.0	0.	14.5	46.	14.5	0.
43-15-00	99-55-00	0.	14.0	0.	14.0	0.	15.0	0.	13.0	36.	14.5	46.	14.5	0.
43-15-00	100-05-00	0.	17.0	0.	14.0	0.	17.7	0.	19.0	0.	14.3	0.	14.9	0.
43-15-00	100-15-00	0.	17.0	0.	12.1	0.	17.7	0.	19.0	0.	14.3	0.	14.9	0.
43-15-00	100-25-00	8.	17.0	46.	12.1	20.	17.7	0.	19.0	96.	14.3	113.	14.9	150.
43-15-00	100-35-00	0.	17.0	0.	12.1	0.	17.7	0.	19.0	0.	14.3	0.	14.9	0.
43-15-00	100-45-00	13.	17.0	74.	12.1	33.	17.7	0.	19.0	154.	14.3	181.	14.9	570.
43-15-00	100-55-00	0.	17.0	0.	12.1	0.	17.7	0.	19.0	0.	14.3	0.	14.9	0.
43-15-00	101-05-00	6.	17.1	87.	12.1	30.	19.0	13.	19.0	39.	14.3	216.	14.9	668.
43-15-00	101-15-00	6.	17.1	87.	12.1	30.	19.0	13.	19.0	39.	14.3	216.	14.9	668.
43-15-00	101-25-00	15.	17.1	218.	15.0	74.	19.5	33.	20.2	97.	15.8	540.	16.0	418.
43-15-00	101-35-00	0.	17.1	0.	15.0	0.	19.5	0.	20.2	0.	15.8	0.	16.0	0.
43-15-00	101-45-00	0.	17.1	0.	15.0	0.	19.5	0.	20.2	0.	15.8	0.	16.0	0.
43-15-00	101-55-00	0.	17.1	0.	15.0	0.	19.5	0.	20.2	0.	15.8	0.	16.0	0.
43-15-00	102-05-00	0.	17.6	0.	19.1	0.	19.5	0.	20.2	0.	15.8	0.	16.0	0.
43-15-00	102-15-00	0.	17.6	0.	19.1	0.	10.5	0.	13.5	0.	17.7	0.	16.6	0.
43-15-00	102-25-00	0.	17.6	0.	19.1	0.	10.5	0.	13.5	0.	17.7	0.	16.6	0.
43-15-00	102-35-00	0.	17.6	0.	19.1	0.	10.5	0.	13.5	0.	17.7	0.	16.6	0.

TABLE 4.--HISTORICAL IRRIGATED ACREAGE AND IRRIGATION DEMAND FOR THE HIGH PLAINS -- CONTINUED
(IRRIGATION DEMAND IN INCHES)

LATITUDE	LONGITUDE	1949		1954		1959		1964		1969		1974		1978
		ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES	DEMAND	ACRES
43-25-00	100-25-00	0.	17.0	0.	12.1	0.	17.7	0.	19.0	0.	14.3	0.	14.9	0.
43-25-00	100-35-00	0.	17.0	0.	12.1	0.	17.7	0.	19.0	0.	14.3	0.	14.9	0.
43-25-00	100-45-00	0.	17.0	0.	12.1	0.	17.7	0.	19.0	0.	14.3	0.	14.9	0.
43-25-00	100-55-00	0.	17.0	0.	12.1	0.	17.7	0.	19.0	0.	14.3	0.	14.9	0.
43-25-00	101-05-00	0.	17.1	0.	20.2	0.	17.7	0.	19.0	0.	14.3	0.	14.9	0.
43-25-00	101-15-00	0.	17.1	0.	20.2	0.	17.7	0.	19.0	0.	14.3	0.	14.9	0.
43-25-00	101-25-00	3.	17.1	44.	20.2	15.	20.2	7.	20.2	19.	20.2	108.	20.2	334.
43-25-00	101-35-00	3.	17.1	44.	20.2	15.	20.2	7.	20.2	19.	20.2	108.	20.2	334.
43-25-00	101-45-00	0.	17.1	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.
43-25-00	101-55-00	0.	17.1	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.
43-25-00	102-05-00	0.	17.6	0.	19.1	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.
43-25-00	102-15-00	0.	17.6	0.	19.1	0.	10.5	0.	13.5	0.	17.7	0.	16.6	0.
43-25-00	102-25-00	0.	17.6	0.	19.1	0.	10.5	0.	13.5	0.	17.7	0.	16.6	0.
43-35-00	101-05-00	0.	17.1	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.
43-35-00	101-15-00	0.	17.1	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.
43-35-00	101-25-00	0.	17.1	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.
43-35-00	101-35-00	0.	17.1	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.
43-35-00	101-45-00	0.	17.1	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.
43-35-00	101-55-00	0.	17.1	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.
43-35-00	102-05-00	0.	17.6	0.	19.1	0.	20.2	0.	20.2	0.	20.2	0.	20.2	0.
43-35-00	102-15-00	0.	17.6	0.	19.1	0.	10.5	0.	13.5	0.	17.7	0.	16.6	0.

