



FIGURE 2.— Subdivisions of irrigated areas

Table 5

ALFALFA

Average monthly and annual consumptive use, depth in inches, by areas, 1946-55

Area	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1A	1.2	1.5	3.8	5.0	8.2	9.1	8.7	5.5	6.8	4.7	2.6	1.2	58.3
1B	1.2	2.1	4.6	5.4	8.8	9.8	9.4	6.5	6.6	5.0	2.3	1.0	62.7
1C	1.3	1.7	4.2	5.6	10.0	9.5	10.5	6.2	7.6	5.2	3.0	1.1	65.9
8B	1.2	1.6	3.9	4.7	8.6	9.5	9.8	6.2	7.1	4.9	2.8	1.0	61.3
2A	1.3	1.7	4.2	5.6	10.8	10.2	9.8	5.7	7.6	5.2	3.0	1.1	66.2
2B	1.3	1.7	4.1	5.5	9.8	9.4	10.4	6.1	7.5	5.1	3.0	1.1	65.0
2C	1.3	1.8	4.3	5.7	10.1	9.6	10.7	6.3	7.7	5.3	3.0	1.1	66.9
3A	1.3	1.8	4.3	5.2	10.1	9.6	10.7	6.3	7.7	6.0	3.0	1.1	67.1
3B	1.5	1.5	3.8	4.5	8.3	8.6	8.9	5.6	6.9	5.4	2.7	1.2	58.9
8A	1.1	1.5	3.7	4.5	8.0	9.0	9.3	5.9	6.7	5.2	2.1	.9	57.9
7A	.9	1.3	3.1	3.8	6.8	7.7	7.9	5.5	5.7	3.9	1.8	.8	49.2
7B	1.0	1.4	3.3	3.9	7.2	7.4	8.2	5.7	5.9	4.7	1.9	.8	51.4
6A	.9	1.2	3.0	3.5	6.4	6.6	7.3	4.7	5.3	4.2	1.6	1.0	45.7
6B	.9	1.2	3.0	3.7	6.6	6.9	7.6	5.3	5.5	3.8	1.7	1.0	47.2
6C	.9	1.3	3.1	3.8	6.7	7.0	7.8	5.0	5.6	4.4	1.8	1.1	48.5
7C	.9	1.3	3.1	3.8	6.8	7.2	7.4	5.1	5.7	4.5	2.3	1.1	49.2
5A	.9	1.5	3.0	3.6	7.1	6.8	6.4	4.4	5.4	4.3	2.1	1.0	46.5
5B	.9	1.3	2.6	3.8	6.7	7.6	7.2	5.0	5.6	4.4	2.2	1.1	48.4
5C	.9	1.3	3.1	3.8	6.8	7.2	7.4	5.1	5.7	4.5	2.3	1.1	49.2
4D	1.5	1.9	3.8	4.1	8.3	7.9	9.5	6.1	6.1	5.4	2.7	1.2	58.5
4E	1.3	1.7	3.2	3.8	7.1	6.7	7.5	5.2	5.2	4.6	2.3	1.1	49.7
4C	1.4	1.8	3.4	4.2	6.8	7.2	8.7	5.5	5.6	4.9	2.5	1.2	53.2
4B	1.8	2.2	3.7	5.2	9.3	9.0	10.8	7.0	7.1	6.1	3.1	1.4	66.7
4A	1.4	1.8	3.4	4.2	7.5	7.2	8.7	5.1	5.6	4.9	2.5	1.2	53.5

Note.--PERENNIAL PASTURE: Use 90 percent of monthly amount shown for ALFALFA as estimate of consumptive use.

TABLE I

AVERAGE CONSUMPTIVE USE (EVAPOTRANSPIRATION) OF WATER
IN TEXAS (INCHES/DAY)--PERENNIAL PASTURE

Area	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual Average
1A	.04	.05	.11	.15	.24	.27	.25	.16	.20	.14	.08	.03	.14
1B	.04	.07	.13	.16	.26	.29	.27	.19	.20	.15	.07	.03	.16
1C	.04	.06	.12	.17	.30	.29	.32	.18	.23	.15	.09	.03	.16
2A	.04	.06	.12	.17	.31	.31	.29	.17	.23	.16	.09	.03	.16
2B	.04	.06	.12	.17	.29	.29	.30	.18	.23	.15	.09	.03	.16
2C	.04	.06	.13	.17	.29	.29	.31	.18	.23	.15	.09	.03	.17
3A	.04	.06	.13	.16	.29	.29	.31	.18	.23	.17	.09	.03	.17
3B	.04	.05	.11	.14	.24	.26	.26	.16	.21	.16	.08	.04	.15
4A	.04	.06	.10	.13	.22	.22	.25	.15	.17	.14	.08	.04	.13
(4B)	.04	.08	.11	.16	.27	.27	.31	.20	.21	.18	.09	.04	.16
4C	.04	.06	.10	.13	.20	.22	.25	.16	.17	.14	.08	.04	.13
(4D)	.04	.06	.11	.12	.24	.24	.28	.18	.18	.13	.08	.04	.14
4E	.04	.06	.10	.11	.21	.20	.22	.15	.16	.13	.08	.04	.12
5A	.03	.05	.10	.11	.21	.20	.19	.13	.16	.13	.07	.03	.12
5B	.03	.04	.10	.11	.20	.23	.21	.15	.17	.13	.06	.03	.12
5C	.03	.04	.10	.11	.20	.22	.22	.15	.17	.13	.07	.03	.12
6A	.03	.04	.10	.11	.19	.20	.21	.14	.16	.12	.07	.03	.12
6B	.03	.04	.10	.11	.19	.21	.22	.15	.17	.12	.05	.03	.11
6C	.03	.04	.10	.11	.20	.21	.23	.15	.17	.11	.05	.03	.12
7A	.03	.04	.10	.11	.20	.23	.23	.16	.17	.13	.05	.03	.12
7B	.03	.05	.10	.12	.21	.22	.24	.17	.18	.11	.05	.02	.12
7C	.03	.04	.10	.11	.20	.22	.22	.17	.18	.14	.06	.02	.13
8A	.03	.05	.11	.14	.23	.27	.27	.15	.17	.13	.07	.03	.12
8B	.04	.05	.11	.14	.25	.29	.29	.17	.20	.15	.06	.03	.14
								.18	.21	.14	.08	.03	.15

Table 6

GORN

Average monthly and annual consumptive use, depth in inches, by areas, 1946-55

Area	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
1A				*0.3	2.3	5.3	9.9	9.2					27.0
1B				*.3	2.5	5.7	10.7	10.7					29.9
1C				*.3	2.8	5.5	12.0	10.4					31.0
8B				*.3	2.4	5.5	11.2	10.4					29.8
2A				1.1	4.3	8.3	12.8	*4.0					30.5
2B				1.1	3.9	7.6	13.6	*4.3					30.5
2C				1.1	4.0	7.8	14.0	*4.4					31.3
3A				1.0	4.0	7.8	14.0	*4.4					31.2
3B				.9	3.3	7.0	11.6	*4.0					26.8
8A				.9	3.2	7.3	12.2	*4.2					27.8
7A				.8	2.7	6.2	10.4	*3.8					23.9
7B			*0.2	1.6	3.7	8.7	9.4						23.6
6A			*.2	1.5	3.2	7.8	8.4						21.1
6B			*.2	1.5	3.4	8.1	8.7						21.9
6C			*.2	1.6	3.4	8.3	9.0						22.5
7C			*.2	1.6	3.5	8.5	8.5						22.3
5A			*.2	1.5	3.6	8.0	7.3						20.6
5B			*.1	1.6	3.4	9.0	8.3						22.4
5C			.6	2.2	4.9	9.7	*3.6						21.0
4D			.7	2.4	5.9	10.7	*4.6						24.3
4E			.6	2.2	5.0	9.0	*3.6						20.4
4C			.6	2.4	4.9	9.7	*4.2						21.8
4B			.7	3.1	6.6	12.2	*5.2						27.8
4A			.6	2.4	5.3	9.7	*4.2						22.2

* One-half month.

135 days

C-4

Table 7

COTTON

Average monthly and annual consumptive use, depth in inches, by areas, 1946-55

Area	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
1A					*0.6	2.3	5.7	8.5	4.5	1.0			22.6
1B					*.7	2.4	6.2	9.9	4.3	1.1			24.6
1C					*.8	2.4	6.9	9.6	5.0	1.1			25.8
8B					1.7	2.3	9.8	7.3	4.1	*.2			25.4
2A				*0.7	2.4	6.2	8.6	6.9	5.2	3.9			33.9
2B				*.6	2.2	5.7	9.2	7.4	5.1	3.8			34.0
2C				*.7	2.2	5.9	9.5	7.7	5.3	4.0			35.3
3A				*.6	2.2	6.5	11.3	6.1	1.6				28.3
3B				*.5	1.8	5.8	9.4	5.5	1.5				24.5
8A					*.6	2.2	6.1	9.0	4.4	1.1			23.4
7A					*.5	1.9	5.2	8.4	3.8	.8			20.6
7B				*.5	1.6	5.0	8.7	5.5	1.3				22.6
6A					1.3	1.6	7.3	5.5	3.1	*.2			19.0
6B					1.3	1.7	7.6	6.1	3.2	*.2			20.1
6C				*.4	1.5	4.8	8.3	4.8	1.2				21.0
7C				*.4	1.5	4.9	7.8	5.0	1.2				20.8
5A				1.1	1.5	7.0	5.1	3.8	*.3				18.8
5B				1.1	1.4	7.8	5.8	4.3	*.3				20.7
5C			*0.3	1.2	4.1	7.8	5.0	1.6					20.0
4D			*.4	1.3	5.0	8.6	6.3	1.9					23.5
4E			*.4	1.2	4.2	7.3	5.0	1.6					19.7
4C			*.4	1.4	4.1	7.8	5.8	1.7					21.2
4B			1.0	1.6	8.4	7.5	6.4	*.5					25.4
4A			1.0	1.3	6.8	6.0	5.1	*.4					20.6

* One-half month

Table 8

GRAINS, SMALL

Average monthly and annual consumptive use, depth in inches, by areas, 1946-55

Area	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
1A	1.0	2.0	5.0	8.3	7.3	*3.4			*0.7	1.3	1.6	1.1	31.7
1B	1.0	2.7	6.0	8.9	7.8	*3.6			*.7	1.4	1.4	.9	34.4
1C	1.1	2.3	5.5	9.3	8.9	*3.5			*.8	1.4	1.8	1.0	35.6
8B	1.0	2.1	5.2	7.7	7.6	*3.5			*.8	1.3	1.7	.9	31.8
2A	1.8	3.0	7.6	10.7	8.8					1.4	2.1	1.3	36.7
2B	1.8	3.0	7.5	10.6	8.0					1.4	2.1	1.3	35.7
2C	1.8	3.1	7.8	10.9	8.3					1.5	2.1	1.3	36.8
3A	1.8	3.1	7.8	9.8	8.3					1.7	2.1	1.3	35.9
3B	2.1	2.7	6.9	8.7	6.8					1.5	1.9	1.6	32.2
8A	1.5	2.7	6.8	8.5	6.5					1.4	1.5	1.1	30.0
7A	1.3	2.3	5.7	7.4	5.6					1.1	1.3	1.0	25.7
7B	1.4	2.4	6.0	7.5	5.9					1.3	1.3	1.0	26.8
6A	1.2	2.1	5.4	6.8	5.2					1.1	1.1	1.2	24.1
6B	1.3	2.2	5.6	7.1	5.4					1.0	1.2	1.3	25.1
6C	1.3	2.3	5.7	7.2	5.5					1.2	1.3	1.3	25.8
7C	1.3	2.3	5.7	7.4	5.6					1.2	1.6	1.3	26.4
5A	1.3	2.7	5.4	6.9	5.8					1.2	1.5	1.3	26.1
5B	1.3	2.3	4.8	7.2	5.5					1.2	1.5	1.3	25.1
5C	1.3	2.3	5.7	7.4	5.6					1.2	1.6	1.3	26.4
4D	2.1	3.4	6.9	7.8	6.8					1.5	1.9	1.6	32.0
4E	1.8	2.9	5.8	7.4	5.8					1.3	1.6	1.3	27.9
4C	1.9	3.1	6.3	7.9	5.6					1.3	1.7	1.4	29.2
4B	2.4	4.0	6.8	10.0	7.6					1.7	2.2	1.8	36.5
4A	1.9	3.1	6.3	7.9	6.1					1.3	1.7	1.4	29.7

* One-half month

Note.--LEGUMINOUS FERTILIZERS: Use monthly amount shown for SMALL GRAINS for respective periods of growth.

Table 9

ORCHARDS, CITRUS

Average monthly and annual consumptive use, depth in inches, by areas, 1946-55

Area	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
4C	1.4	2.0	2.4	3.7	3.7	4.8	4.8	5.0	3.9	3.1	2.0	1.6	38.4
4B	1.8	2.5	2.5	4.7	5.0	6.0	6.0	6.3	4.9	3.9	2.5	2.0	48.1
4A	1.4	2.0	2.4	3.7	4.0	4.8	4.8	4.6	3.9	3.1	2.0	1.6	38.3
2C				3.0	3.0	4.0	4.0	4.0	3.0	3.0	2.0	1.0	30.0
2B				3.8	3.8	4.8	4.8	4.8	3.8	3.8	2.8	1.8	38.0
2A				3.8	3.8	4.8	4.8	4.8	3.8	3.8	2.8	1.8	38.0

ORCHARDS, DECIDUOUS FRUIT

RICE

3B			1.9	2.7	6.4	8.9	7.9	5.7	3.0	1.3			37.8
8A			1.9	2.7	6.2	9.3	8.3	6.0	2.9	1.2			38.5
6A			1.5	2.1	4.9	6.8	6.5	4.8	2.3	1.0			29.9
6B			1.6	2.2	5.1	7.1	6.8	5.3	2.4	0.9			31.4

Table 11

ORCHARDS, PECAN

3B			2.7	4.4	8.0	8.3	6.9	5.5	2.8	3.0			41.6
7A			2.2	3.8	6.5	7.5	6.2	5.4	2.3	2.1			36.0
7B			2.3	3.8	6.9	7.2	6.4	5.6	2.4	2.6			37.2
6A			2.1	3.4	6.1	6.4	5.7	4.6	2.1	2.3			32.7
6B			2.1	3.6	6.3	6.7	5.9	5.2	2.2	2.1			34.1
6C			2.2	3.7	6.4	6.8	6.1	4.9	2.3	2.4			34.8
7C			2.2	3.8	6.5	7.0	5.8	5.0	2.3	2.5			35.1

C-7

Table 12

PEANUTS

Average monthly and annual consumptive use, depth in inches, by areas, 1946-55

Area	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
3B				*0.4	2.4	4.2	6.9	7.1	*1.8				22.8
7B					1.3	3.3	4.9	7.6	3.9				21.0
6A					1.1	2.9	4.3	6.3	3.5				18.1
6B					1.2	3.0	4.5	7.0	3.7				19.4
6C					1.2	3.1	4.6	6.6	3.7				19.2
7C					1.2	3.2	4.4	6.8	3.8				19.4
44D			*0.3	1.7	3.6	6.3	8.3	*2.3					22.5
44D							3.5	6.6	5.3	3.4			18.8

Table 13

RICE

5A				8.5	6.2	13.6	9.3	6.2	8.3				52.1
5B				8.8	5.9	15.2	10.5	7.0	8.6				56.0
5C				9.0	6.0	14.4	10.8	7.2	8.8				56.2

* One-half month.
 † Two crops yearly.

Table 14

SORGHUM, GRAIN

Average monthly and annual consumptive use, depth in inches, by areas, 1946-55

Area	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
1A						*1.0	5.5	8.4	*5.3	*0.9			21.1
1B						*1.0	6.0	9.8	*5.1	*.9			22.8
1C						4.1	8.6	8.9	4.4				26.0
8B					*0.8	6.3	10.3	7.1	*1.3				25.8
2A					4.1	8.6	9.8	4.8					27.1
2B					3.7	7.9	10.2	5.2					27.0
2C					3.8	8.1	10.5	5.3					27.7
#3A				2.9	7.5	9.7	10.2						26.3
#3B				2.5	6.1	8.7	5.2						22.5
8A					3.0	7.6	9.1	5.0					24.7
7A					2.6	6.5	7.8	4.6					21.5
7B				2.2	5.3	7.5	4.8						19.8
6A					2.4	5.5	7.2	4.0					19.1
6B					2.5	5.8	7.5	4.4					20.2
6C				2.1	5.0	7.1	4.6						18.8
7C				2.2	5.0	7.3	4.3						18.8
5A				2.0	5.2	6.9	3.7						17.8
5B				2.1	5.0	7.7	4.2						19.0
5C			*0.4	3.3	6.5	5.8	*1.4						17.4
4D			*.5	3.5	7.9	6.4	*1.7						20.0
4E			*.4	3.3	6.7	5.4	*1.4						17.2
4C			*.4	3.6	6.5	5.8	*1.6						17.9
4B			*.5	4.5	8.9	7.3	*2.0						23.2
#4A			1.8	4.5	6.7	4.3							17.3

* One-half month.

Two crops yearly.

CG-9

Table 14--Continued

SORGHUM, GRAIN

Area	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
4A								3.1	4.5	4.8	1.8		14.2
43A								3.8	6.2	6.0	2.2		18.2
43B								3.4	5.5	5.4	2.0		16.3

† Two crops yearly.

Note.--SORGHUM, SILAGE AND FORAGE: Use monthly amount shown for GRAIN SORGHUM for respective periods of growth.

Table 15

VEGETABLES, DEEP-ROOTED

Average monthly and annual consumptive use, depth in inches, by areas, 1946-55

Area	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
1B						3.7	4.4	8.5	4.9	2.8			24.3
2B			1.9	3.5	8.0	7.3	5.8						26.5
2B					*1.6	3.9	6.7	8.3	5.0	*1.1			26.6
2C				2.8	4.3	8.9	8.1	5.1					29.2
8A				*1.1	2.9	5.9	8.7	5.7	*1.4				25.7
7A				*1.0	2.5	5.1	7.5	5.3	*1.2				22.6
7B				1.9	3.0	6.9	6.2	4.6					22.6
6A				*.9	2.4	4.4	6.9	4.6	*1.1				20.3
6B				*.9	2.4	4.6	7.2	5.1	*1.1				21.3
6C			*.7	2.1	3.9	6.8	5.2	*1.5					20.2
7C			*.7	2.1	4.0	7.0	5.0	*1.5					20.3
4D								3.3	2.8	4.9	2.6	1.5	15.1

* One-half month.

† Two crops yearly.

Table 15--Continued

VEGETABLES, DEEP-ROOTED

Area	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
4C	1.0	2.0	4.1	3.7	*1.3							*0.5	12.6
†4B								3.7	3.3	5.6	3.0	1.7	17.3
†4B	1.3	2.5	4.4	4.7	*1.8							*.6	15.3
4A	1.0	2.0	4.1	3.7	*1.4							*.5	12.7

Crops Included

Beans
Beets
Cantaloupe
Carrots

Chard
Cucumbers
Eggplant

Okra
Peas
Peppers

Pumpkin
Squash
Sweet potatoes

Tomatoes
Turnips
Watermelons

* One-half month.
† Two crops yearly.

Table 16

VEGETABLES, SHALLOW-ROOTED

Average monthly and annual consumptive use, depth in inches, by areas, 1946-55

Area	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Season
1B				1.8	5.4	10.1	6.8	7.4	3.7	2.6			37.8
2A	2.3	2.2	4.1	4.2	5.0						0.9	1.5	20.2
8A			1.1	4.1	7.2	6.8	7.3	4.8	3.4				34.7
7A			1.0	3.5	6.2	5.8	6.2	4.5	2.9				30.1
7B			1.0	3.6	6.5	5.6	6.5	4.6	3.0				30.8
6A				1.2	3.9	6.8	5.3	5.3	3.0	2.2			27.7
6B				1.2	4.1	7.1	5.6	6.0	3.1	2.0			29.1
6C				1.2	4.1	7.2	5.7	5.7	3.1	2.3			29.3
7C				1.2	4.2	7.4	5.4	5.8	3.2	2.3			29.5
5C	1.3	1.3	2.0						1.4	3.1	2.9	1.6	13.6
4D	2.1	1.9	2.4						1.5	3.7	3.4	2.0	17.0
4E	1.8	1.6	2.1						1.2	3.2	2.9	1.6	14.4
4C	1.9	1.7	2.2						1.4	3.4	3.1	1.8	15.5
4B	2.4	2.2	2.4						1.7	4.2	3.9	2.2	19.0
4A	1.9	1.7	2.2						1.4	3.4	3.1	1.8	15.5

Crops Included

Brussels sprouts

Cabbage

Cauliflower

Celery

Lettuce

Onions

Radishes

Spinach

Sweet Corn