

T-1029.—CONSUMPTIVE USE, IMPERIAL UNIT, 1959-1966 AVERAGE

[Use rates, Imperial unit]

Year	Acre-feet per acre			
	Consumptive use per acre of crop ¹	Delivered per acre of crop	Consumptive use per acre irrigated	Delivered per acre irrigated
	(1)	(2)	(3)	(4)
1959.....	3.37	3.99	4.32	5.11
1960.....	3.50	4.44	4.36	5.52
1961.....	3.50	4.59	4.23	5.54
1962.....	3.38	4.66	4.13	5.69
1963.....	3.39	4.59	4.30	5.84
1964.....	3.45	4.38	4.39	5.55
1965.....	3.32	4.17	4.25	5.35
1966.....	3.12	4.25	4.15	5.65
8-year average.....	3.38	4.38	² 4.26	5.53

¹ Based on Blaney-Criddle formula.² Refer T-1030.

Note: Refer T-1021 through T-1028.

T-1030.—CONSUMPTIVE USE, 1959-66

[Acres in crop to nearest 500 acres]

Year	Acres of crop	Consumptive Use ¹		Acres irrigated	Consumptive use per acre irrigated
		Acre-feet per acre	Total acre-feet		
1959.....	563,500	3.37	1,899,400	440,000	4.32
1960.....	540,500	3.50	1,894,450	434,500	4.36
1961.....	525,500	3.50	1,840,200	435,500	4.23
1962.....	525,000	3.38	1,774,150	429,500	4.13
1963.....	547,000	3.39	1,852,450	430,500	4.30
1964.....	548,500	3.45	1,892,750	431,500	4.39
1965.....	554,000	3.32	1,839,000	432,500	4.25
1966.....	581,500	3.12	1,814,900	437,500	4.15
8-year average.....	548,000	3.38	1,851,000	434,000	² 4.26

¹ Consumptive use based on Blaney-Criddle formula.² Weighted average.

Note: Refer T-1029.

T-1031.—SALINITY OF IRRIGATION WATER RECEIVED BY DISTRICT AND LEACHING REQUIREMENT, 1959-66

Year	Annual discharge acre-feet ^a	Total salt (tons) ^b	Historic weighted average salinity			Leaching requirement (percent)
			TAF	Parts per million (4)	K×10 ^c (5)	
	(1)	(2)	(3)			(6) ^d
1959.....	2,840,173	2,852,019	1.00	735	1,050	17
1960.....	2,983,860	3,162,485	1.06	779	1,110	19
1961.....	2,957,200	3,330,087	1.13	831	1,190	20
1962.....	2,951,266	3,399,464	1.15	845	1,210	20
1963.....	2,991,429	3,378,583	1.13	831	1,190	20
1964.....	2,770,474	3,284,284	1.19	875	1,250	21
1965.....	2,624,363	3,406,457	1.30	956	1,370	23
1966.....	2,817,912	3,650,447	1.30	956	1,370	23
Average.....	2,867,085	3,307,978	^e 1.15	^e 845	1,210	20

^a Total discharge, all-American Canal below drop 1.^b Based on weekly salinity samples.^c Based on conversion factor of 0.7 for parts per million to conductivity (micromhos/cm. to nearest 10).^d Based on average salt tolerance for 50 percent yield reduction and historic conductance of water delivered to district. Refer USDA Handbook No. 60 and Bulletin 283. Includes allowance for minimum nonuniformity of application.^e Weighted average.