

Appendix A. Tables of Prices of Selected Inputs for Maricopa County, Arizona

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Table A.1 Estimated Cost of Pumping Irrigation Water in Central Arizona, 2001

Area	Energy	Price	Pump Lift (Ft)	Pump Rate (GPM)	Case Diam (in)	Depth (Ft)	Overall Pump Efficiency	Well Cost	Ownership Cost (\$/Yr)	Annual Pump (AF)	Cost of Pumping Irrig Water				TOTAL COST /AF	
											Fixed /AF	Variable Cost/AF				
												Energy	Repairs	P Tax		Total
Maricopa County																
AGUILA	Diesel	\$0.84080 /Gal	545	1,800	16	1,800	0.188	\$320,174	\$32,144	1,432	\$22.45	\$59.14	\$7.59		\$66.73	\$89.18
AGUILA	Electric	\$0.08733 /Kwh	545	1,800	16	1,800	0.540	\$258,657	\$24,666	1,432	\$17.22	\$90.25	\$6.55		\$96.80	\$114.02
AGUILA	Nat. Gas	\$0.42168 /Th	545	1,800	16	1,800	0.154	\$388,479	\$40,001	1,432	\$27.93	\$50.68	\$7.59		\$58.27	\$86.20
DEER VALLEY	Electric	\$0.08475 /Kwh	720	1,300	16	1,800	0.540	\$236,878	\$24,112	1,379	\$17.49	\$115.71	\$8.65	\$2.75	\$127.11	\$144.59
GILA BEND	Diesel	\$0.84080 /Gal	310	2,950	20	600	0.188	\$178,153	\$19,481	2,347	\$8.30	\$33.64	\$4.32		\$37.96	\$46.26
GILA BEND	Electric	\$0.02854 /Kwh	310	2,950	20	600	0.540	\$124,848	\$12,832	2,347	\$5.47	\$16.78	\$3.72		\$20.50	\$25.97
GILA BEND	Nat. Gas	\$0.42097 /Th	310	2,950	20	600	0.154	\$204,228	\$22,805	2,347	\$9.72	\$28.78	\$4.32		\$33.10	\$42.81
HARQUAHALA VALLEY	Diesel	\$0.84080 /Gal	600	1,650	16	1,800	0.188	\$304,609	\$31,844	1,313	\$24.25	\$65.11	\$8.36		\$73.47	\$97.72
HARQUAHALA VALLEY	Electric	\$0.08402 /Kwh	600	1,650	16	1,800	0.540	\$236,482	\$23,594	1,313	\$17.97	\$95.59	\$7.21		\$102.80	\$120.77
HARQUAHALA VALLEY	Nat. Gas	\$0.42080 /Th	600	1,650	16	1,800	0.154	\$329,701	\$35,104	1,313	\$26.74	\$55.68	\$8.36		\$64.04	\$90.77
QUEEN CREEK	Diesel	\$0.84080 /Gal	600	1,000	16	1,200	0.188	\$179,901	\$18,733	795	\$23.56	\$65.11	\$8.36	\$2.75	\$76.22	\$99.78
QUEEN CREEK	Electric	\$0.08446 /Kwh	600	1,000	16	1,200	0.540	\$148,883	\$14,620	795	\$18.39	\$96.09	\$7.21	\$2.75	\$106.05	\$124.44
QUEEN CREEK	Nat. Gas	\$0.42219 /Th	600	1,000	16	1,200	0.154	\$229,692	\$24,590	795	\$30.93	\$55.86	\$8.36	\$2.75	\$66.97	\$97.90
RAINBOW VALLEY	Diesel	\$0.84080 /Gal	495	1,750	16	1,000	0.188	\$193,737	\$21,390	1,392	\$15.37	\$53.71	\$6.89	\$2.75	\$63.36	\$78.73
RAINBOW VALLEY	Electric	\$0.08590 /Kwh	495	1,750	16	1,000	0.540	\$152,870	\$16,125	1,392	\$11.58	\$80.64	\$5.94	\$2.75	\$89.33	\$100.92
RAINBOW VALLEY	Nat. Gas	\$0.42110 /Th	495	1,750	16	1,000	0.154	\$246,266	\$27,574	1,392	\$19.81	\$45.97	\$6.89	\$2.75	\$55.61	\$75.42
SCOTTSDALE	Electric	\$0.08529 /Kwh	375	2,400	16	1,000	0.540	\$149,802	\$14,901	1,909	\$7.81	\$60.65	\$4.50	\$2.75	\$67.90	\$75.71
SCOTTSDALE	Nat. Gas	\$0.42101 /Th	375	2,400	16	1,000	0.154	\$237,626	\$25,565	1,909	\$13.39	\$34.82	\$5.22	\$2.75	\$42.79	\$56.19

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Table A.2 Estimated Cost of Surface Irrigation Water in Central Arizona, 2001

Name		Assess ment	Surface Water Costs			
			**** Dollars per Acre Foot (AF) ****			
Buckeye WCD	BWCD	\$1.00	plus	\$9.00 /AF		
Chandler Heights	ChanHg	\$51.00	plus	\$45.00 /AF		
Harquahala Valley ID	HVID	\$9.67	plus	\$35.00 /AF	Pull 1	\$35.00 Pull 3
Maricopa County Muni	MCMWD	\$6.00	plus	\$36.00 /AF		
New Magma ID	NMID	\$24.00	plus	\$31.00 /AF		
Roosevelt ID	RID	\$15.00	plus	\$20.00 /AF		
Roosevelt WCD	RWCD	\$17.00	plus	\$15.00 /AF		
Salt River Project	SRP	\$20.00		2 free + 3 more @	\$10 /AF + more @	\$33.00
				+ \$44.74 per account		

Table A.3 Wage Rates in Central Arizona, 2001

Labor Group	Unit	2001 Rate
Contract Labor	Hr	\$7.50
Hand Weeders	Hr	\$5.50
Harvest Operators	Hr	\$7.50
Irrigators	Hr	\$5.50
Tractor Operators	Hr	\$6.72
Other	Hr	\$6.72

Table A.4 Maricopa Property Taxes, 2000/2001

State Code	Area Description	2000 Primary	2000 Secondary	2000 Total
Maricopa County (07) Property Taxes, Vegetable Crops				
4800	Scottsdale	\$5.8933	\$2.2929	\$8.1862
7900	Litchfield Park	\$7.3361	\$12.4146	\$19.7507
1100	Peoria Outside	\$6.4990	\$7.9200	\$14.4190
	Waddell/Peoria	\$6.9176	\$10.1673	\$17.0849
Vegetable Crop Average		\$6.4054	\$6.2301	\$12.7810
For All Districts		Assessment		
755	CAWCD	\$0.2800		
	Special District Tax	Assessment		
701	Aguila	\$5.2399		
707	Chandler Heights	\$57.4871		
711	New State ID	\$0.5694		
712	Queen Creek ID	\$10.0000		
714	Roosevelt ID	\$17.7281		
716	St John ID	\$28.3237		
750	Harq. Valley ID	\$11.3752		
751	McMicken ID	\$2.2468		
753	New Magma ID	\$24.0000		
756	Western Meadows	\$172.9950		
757	Tonopah ID	\$10.0000		

Table A.5 Maricopa Custom Operations, 2000/2001

Operation	Custom Service	<u>Old Cost</u>	<u>New Cost</u>
Apply Insecticide/Air	Air Spray, 5 Gal Mix	\$3.52 / Acre	\$4.73
Apply Insecticide/Air	Air Spray, 7 Gal Mix	\$4.32 / Acre	\$5.23
Pollenate	Bee Hive Rental	\$15.00 / Acre	\$15.00
Pick and Load	Cut & Load Melons	\$1.20 / Crtn	\$1.55
Harvest	Cut/Pack/Load Broccoli	\$2.45 / Crtn	\$2.75
Harvest	Cut/Top/Field Sack Dry Onions	\$1.10 / Sack	\$2.17
Field Grade	Grade/Size/Pack Onions	\$0.65 / Sack	\$1.00
Haul, Custom	Field Haul Dry Onions	\$0.12 / Sack	\$0.20
Hand Weeding	Hand Weeding	\$75.00 / Acre	\$75.00
Thinning	Thinning	\$75.00 / Acre	\$75.00
Harvest	Harvest Carrots	\$1.00 / Crtn	\$3.25
Harvest	Harvest Cauliflower	\$2.65 / Crtn	\$3.25
Harvest, Load & Haul	Harvest Green Onions	\$3.00 / Crtn	\$5.00
Harvest	Harvest Mixed Greens	\$3.25 / Crtn	\$3.25
Harvest, Load & Haul	Harvest Spinach	\$3.25 / Crtn	\$3.25
Harvest, Load & Haul	Harvest-Load-Haul Lettuce	\$2.40 / Crtn	\$2.40
Haul, Custom	Haul Broccoli	\$0.20 / Crtn	\$0.20
Haul, Custom	Haul Cabbage	\$0.19 / Crtn	\$0.35
Haul, Custom	Haul Carrots	\$0.18 / Crtn	\$0.20
Haul, Custom	Haul Melons	\$0.20 / Crtn	\$0.25
Haul, Custom	Haul Produce	\$0.25 / Crtn	\$0.25
Harvest, Load & Haul	Pick & Haul Rapini	\$4.00 / Crtn	\$4.00
Plant Fertility	Plant Tissue Anal.(Petiol)	\$6.00 / Acre	\$6.00
Soil Fertility	Soil Analysis (Surface)	\$3.00 / Acre	\$3.00