

## **Appendix A. Tables of Prices of Selected Inputs for Cochise, Pima, and Pinal Counties, Arizona**

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

Area	Energy	Price	Pump Lift (Ft)	Pump Rate (GPM)	Case Diam (in)	Case Depth (Ft)	Overall Pump Efficiency	Well Cost	Ownership Cost * (\$/Yr)	Annual Pump (AF)	Cost of Pumping Irrigation Water				TOTAL COST	
											Fixed /AF	Variable Cost/AF			/AF	
												Energy	Repairs	P Tax		Total
<b>Cochise County</b>																
KANSAS SETTLEMENT AREA	Diesel	0.82000 /Gal	440	800	16	600	0.16	104015	11539	530	\$21.77	\$54.71	\$6.13	\$60.84	<b>\$82.61</b>	
KANSAS SETTLEMENT AREA	Electric	0.08005 /Kwh	440	800	16	600	0.54	94424	10077	530	\$19.01	\$66.76	\$5.28	\$72.04	<b>\$91.06</b>	
KANSAS SETTLEMENT AREA	Nat. Gas	0.42609 /Th	440	800	16	600	0.154	112942	12679	530	\$23.92	\$41.35	\$6.13	\$47.48	<b>\$71.40</b>	
STEWART AREA	Diesel	0.82000 /Gal	340	800	16	600	0.16	97558	10564	530	\$19.93	\$42.28	\$4.74	\$47.02	<b>\$66.95</b>	
STEWART AREA	Electric	0.08124 /Kwh	340	800	16	600	0.54	88533	9280	530	\$17.51	\$52.38	\$4.08	\$56.46	<b>\$73.97</b>	
STEWART AREA	Nat. Gas	0.42918 /Th	340	800	16	600	0.154	87321	9481	530	\$17.89	\$32.18	\$4.74	\$36.92	<b>\$54.80</b>	
BOWIE AREA	Diesel	0.82000 /Gal	470	1200	16	800	0.16	157502	17745	795	\$22.32	\$58.44	\$6.55	\$64.99	<b>\$87.31</b>	
BOWIE AREA	Electric	0.07978 /Kwh	470	1200	16	800	0.54	148419	16210	795	\$20.39	\$71.10	\$5.64	\$76.74	<b>\$97.13</b>	
BOWIE AREA	Nat. Gas	0.42219 /Th	470	1200	16	800	0.154	166113	18899	795	\$23.77	\$43.76	\$6.55	\$50.31	<b>\$74.08</b>	
ELFRIDA-MCNEAL AREA	Diesel	0.82000 /Gal	340	800	16	600	0.16	98583	10609	530	\$20.02	\$42.28	\$4.74	\$47.02	<b>\$67.03</b>	
ELFRIDA-MCNEAL AREA	Electric	0.08101 /Kwh	340	800	16	600	0.54	88533	9218	530	\$17.39	\$52.23	\$4.08	\$56.31	<b>\$73.71</b>	
ELFRIDA-MCNEAL AREA	Nat. Gas	0.42868 /Th	340	800	16	600	0.154	88346	9535	530	\$17.99	\$32.14	\$4.74	\$36.88	<b>\$54.87</b>	
SAN SIMON AREA	Diesel	0.82000 /Gal	360	800	16	600	0.16	99416	10949	530	\$20.66	\$44.77	\$5.01	\$49.78	<b>\$70.44</b>	
SAN SIMON AREA	Electric	0.08080 /Kwh	360	800	16	600	0.54	92160	9763	530	\$18.42	\$55.16	\$4.32	\$59.48	<b>\$77.90</b>	
SAN SIMON AREA	Nat. Gas	0.42635 /Th	360	800	16	600	0.154	88907	9822	530	\$18.53	\$33.85	\$5.01	\$38.86	<b>\$57.40</b>	
<b>Pima County</b>																
AVRA VALLEY AREA	Diesel	0.75000 /Gal	375	1300	16	1000	0.188	160713	18165	1034	\$17.57	\$36.30	\$5.22	\$3.15	\$44.67	<b>\$62.24</b>
AVRA VALLEY AREA	Electric	0.03926 /Kwh	375	1300	16	1000	0.54	128823	13931	1034	\$13.47	\$27.92	\$4.50	\$3.15	\$35.57	<b>\$49.05</b>
AVRA VALLEY AREA	Nat. Gas	0.42054 /Th	375	1300	16	1000	0.154	157534	18031	1034	\$17.44	\$34.78	\$5.22	\$3.15	\$43.15	<b>\$60.59</b>
MARANA AREA	Diesel	0.75000 /Gal	320	950	16	800	0.188	113448	13095	756	\$17.32	\$30.97	\$4.46	\$3.15	\$38.58	<b>\$55.90</b>
MARANA AREA	Electric	0.03929 /Kwh	320	950	16	800	0.54	101171	11188	756	\$14.80	\$23.84	\$3.84	\$3.15	\$30.83	<b>\$45.63</b>
MARANA AREA	Nat. Gas	0.42336 /Th	320	950	16	800	0.154	127892	14952	756	\$19.78	\$29.88	\$4.46	\$3.15	\$37.49	<b>\$57.27</b>
<b>Pinal County</b>																
COOLIDGE AREA	Diesel	0.75000 /Gal	410	900	16	600	0.188	120973	14310	915	\$15.64	\$39.69	\$5.71	\$1.50	\$46.90	<b>\$62.54</b>
COOLIDGE AREA	Electric	0.03783 /Kwh	410	900	16	600	0.54	89348	10222	915	\$11.17	\$29.41	\$4.92	\$1.50	\$35.83	<b>\$47.01</b>
COOLIDGE AREA	Nat. Gas	0.42436 /Th	410	900	16	600	0.154	117799	14187	915	\$15.50	\$38.37	\$5.71	\$1.50	\$45.58	<b>\$61.09</b>
CASA GRANDE AREA	Diesel	0.75000 /Gal	575	1050	16	1500	0.188	210821	23482	835	\$28.12	\$55.66	\$8.01	\$1.50	\$65.17	<b>\$93.29</b>
CASA GRANDE AREA	Electric	0.03776 /Kwh	575	1050	16	1500	0.54	179281	19152	835	\$22.94	\$41.17	\$6.91	\$1.50	\$49.58	<b>\$72.51</b>
CASA GRANDE AREA	Nat. Gas	0.42337 /Th	575	1050	16	1500	0.154	259901	29503	835	\$35.33	\$53.69	\$8.01	\$1.50	\$63.20	<b>\$98.53</b>
ELOY AREA	Diesel	0.75000 /Gal	620	800	16	1800	0.188	238013	26140	636	\$41.10	\$60.01	\$8.64	\$1.50	\$70.15	<b>\$111.25</b>
ELOY AREA	Electric	0.03779 /Kwh	620	800	16	1800	0.54	201768	21391	636	\$33.63	\$44.43	\$7.45	\$1.50	\$53.38	<b>\$87.01</b>
ELOY AREA	Nat. Gas	0.42414 /Th	620	800	16	1800	0.154	287804	32244	636	\$50.70	\$57.99	\$8.64	\$1.50	\$68.13	<b>\$118.82</b>
STANFIELD AREA	Diesel	0.75000 /Gal	640	1000	16	1500	0.188	232407	25839	795	\$32.50	\$61.95	\$8.91	\$1.50	\$72.36	<b>\$104.87</b>
STANFIELD AREA	Electric	0.03781 /Kwh	640	1000	16	1500	0.54	194869	20742	795	\$26.09	\$45.88	\$7.69	\$1.50	\$55.07	<b>\$81.16</b>
STANFIELD AREA	Nat. Gas	0.42317 /Th	640	1000	16	1500	0.154	277182	31392	795	\$39.49	\$59.73	\$8.91	\$1.50	\$70.14	<b>\$109.63</b>
MARICOPA AREA	Diesel	0.75000 /Gal	495	1800	16	1200	0.188	222447	26250	1432	\$18.33	\$47.91	\$6.89	\$1.50	\$56.30	<b>\$74.64</b>
MARICOPA AREA	Electric	0.03773 /Kwh	495	1800	16	1200	0.54	167509	18940	1432	\$13.23	\$35.41	\$5.94	\$1.50	\$42.85	<b>\$56.08</b>
MARICOPA AREA	Nat. Gas	0.42223 /Th	495	1800	16	1200	0.154	260976	31311	1432	\$21.87	\$46.09	\$6.89	\$1.50	\$54.48	<b>\$76.35</b>

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

Name		Assessment	Water Costs Dollars per Acre Foot (AF)	
<b>Pinal County</b>				
Central Arizona Irrigation District	CAID	\$19.80	plus	\$38.00 /AF
Hohokam Irrigation District	HID	\$25.00	plus	\$22.50 /AF
Maricopa-Stanfield Irrigation District	MSID	\$25.00	plus	\$33.50 /AF
New Magma Irrigation District	NMID	\$24.00	plus	\$33.00 /AF
Queen Creek Irrigation District	QCID	\$10.00	plus	\$32.00 /AF
San Carlos Irrigation District	SCID	\$42.00	plus	\$20.00 /AF
San Carlos Indian Irrigation Project	SCIIP	\$43.00	plus	\$20.00 /AF
<b>Pima County</b>				
Cortaro-Marana Irrigation District	C-MID	\$45.00	plus	\$30.00 /AF

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**Table A.3. Wage and Piece Rates, Southern Arizona, 2001**

Labor Group	Wage Rate
Hand Weeders	\$6.62 /Hr
Harvest	\$6.77 /Hr
Irrigators	\$6.62 /Hr
Tractor	\$6.77 /Hr
Other	\$6.77 /Hr
Truck Driver	\$11.00 /Hr
Produce Loader	\$5.75 /Hr
Contract Labor	\$6.75 /Hr
Contract Labor, Harvest	\$6.75 /Hr
Picker	\$5.75 /Hr
Cutter	\$1.37 /Box

**Table A. 4. Custom Service Costs, Southern Arizona 2001**

Operation	
Air Spray, 5 Gal Mix	\$5.55 / Acre
Air Spray, 7 Gal Mix	\$7.50 / Acre
Hand Weeding	\$75.00 / Acre
Thinning	\$75.00 / Acre
Scout For Insects	\$15.00 / Acre
Bee Hive Rental	\$35.00 / Acre
Bird Control	\$3.50 / Acre
Soil Analysis (Complete)	\$35.00 / Acre
Soil Analysis (Surface)	\$10.00 / Acre
Harvest-Load-Haul Lettuce	\$3.40 / Crtn
Cut/Top/Field Sack Dry Onions	\$3.17 / Sack
Harvest Garlic	\$3.50 / Crtn
Pick Red Chile after Green	\$400 / Ton
Load Chiles	\$5.00 / Ton
Pick Green Chiles	\$85.00 / Ton
Pick Red Chiles	\$0.30 / lb
Haul Garlic	\$0.25 / Crtn
Haul Green Chiles	\$15.00 / Ton
Haul Red Chiles	\$60.00 / Ton
Field Haul Dry Onions	\$0.21 / Sack
Sales Brokerage	\$0.60 / Sack

**Table A.5. Property Taxes Assessments, Southern Arizona**

State Code	Budget System Area Description	State Area Description	2000 Primary	2000 Secondary	2000 Total
<b>Cochise County (02) Property Taxes</b>					
1300	Kansas Settlement	Wilcox Outside	\$9.5536	\$4.4433	<b>\$13.9969</b>
1300	Stewart	Wilcox Outside	\$9.5536	\$4.4433	<b>\$13.9969</b>
1400	Bowie	Bowie	\$16.5423	\$1.4871	<b>\$18.0294</b>
1200	Elfrida		\$8.5039	\$1.4885	<b>\$9.9924</b>
4500	Double Adobe		\$10.3661	\$0.5148	<b>\$10.8809</b>
5304	Ash Creek (VUHSD)		\$14.0668	\$2.4608	<b>\$16.5276</b>
5500	McNeal		\$13.3055	\$0.5148	<b>\$13.8203</b>
	Elfrida/McNeal		<b>\$11.5606</b>	<b>\$1.2447</b>	<b>\$12.8053</b>
1800	San Simon	San Simon	\$15.1676	\$1.0773	<b>\$16.2449</b>
	<b>Average</b>		<b>\$12.1324</b>	<b>\$2.0537</b>	<b>\$14.1862</b>
<b>Pima County (10) Property Taxes,</b>			<b>Primary</b>	<b>Secondary</b>	<b>Total</b>
600	Avra Valley	Avra Valley	\$9.8919	\$8.4770	<b>\$18.3689</b>
610	Marana	Marana	\$9.8919	\$8.4770	<b>\$18.3689</b>
	<b>Average</b>		<b>\$9.8919</b>	<b>\$8.4770</b>	<b>\$18.3689</b>
3000	Sahuarita	Sahuarita	\$5.9840	\$5.8956	<b>\$11.8796</b>
	<b>Special District Tax</b>	<b>Assessment</b>			
830	Cortaro-Marana Irrigation District	\$1.00			
987	CAWCD	\$187.00			
<b>Pinal County (11) Property Taxes</b>					
2100	Coolidge	Coolidge OCL/ED2 (21)	\$10.0656	\$3.6319	<b>\$13.6975</b>
400	Casa Grande	Casa Grande OCL/ED2 (82-4)	\$12.4261	\$3.8292	<b>\$16.2553</b>
1100	Eloy	Eloy OFD/OCL/ED4 (40-11)	\$12.0912	\$3.5642	<b>\$15.6554</b>
2400	Stanfield	Stanfield ED3 (82-24)	\$11.8762	\$3.9511	<b>\$15.8273</b>
2000	Maricopa	Maricopa (20)	\$14.9539	\$6.2863	<b>\$21.2402</b>
	<b>Average</b>		<b>\$12.5872</b>	<b>\$3.8506</b>	<b>\$16.4378</b>
500	Red Rock	Red Rock (40-5)	\$12.1302	\$1.9397	<b>\$14.0699</b>
	<b>Special District Tax</b>	<b>Assessment</b>			
601	San Carlos ID	\$43.0000			
602	Maricopa-Stanfield ID	\$25.0000			
603	Central Arizona ID	\$19.8000			
604	New Magma ID	\$24.0000			
605	Queen Creek ID	\$10.0000			
606	Silver Bell	\$3.0000			
608	Hohokam ID	\$23.0000			