

## Table of Contents

### Part I: Introduction & Calculations

- 1 Equipment Purchase Prices
- 1 Depreciation
- 5 Capital Investment
- 5 Interest
- 6 Taxes, Housing, and Insurance
- 6 Repairs
- 7 Fuel and Oil
- 7 Adjustments to Purchase Price
- 8 Presentation Format
- 9 Abbreviations List
- 10 Tractor Models

### Part II: Machinery Costs Tables

	2003 Price	2000 Price	\$ Change	% Change
<b>Vehicles</b>				
11 Pickup Truck, Mini	\$16,576	\$14,703	\$1,873	12.7%
12 Pickup Truck, 1/2 Ton	\$21,666	\$17,860	\$3,806	21.3%
13 Pickup Truck, 3/4 Ton	\$25,561	\$21,212	\$4,349	20.5%
14 Pickup Truck, 3/4 Ton 4WD	\$27,333	\$23,169	\$4,164	18.0%
15 Pickup Truck, 1 Ton	\$29,034	\$22,875	\$6,159	26.9%
16 Truck, 5 Ton w/1000 Gal Tank	\$42,897	\$39,638	\$3,259	8.2%
17 Truck, 5 Ton, Grain	\$51,234	\$48,138	\$3,096	6.4%
18 Truck, Module Hauler	\$151,477	\$144,955	\$6,522	4.5%
<b>Tractors</b>				
19 Tractor, 25 PTO HP	\$13,614	\$13,003	\$611	4.7%
20 Tractor, 35 PTO HP, MFWD	\$23,361	\$22,786	\$575	2.5%
21 Tractor, 40 PTO HP	\$24,349	\$21,942	\$2,407	11.0%
22 Tractor, 50 PTO HP, MFWD	\$30,203	\$29,041	\$1,162	4.0%
23 Tractor, 60 PTO HP	\$30,133	\$29,285	\$848	2.9%
24 Tractor, 70 PTO HP, MFWD	\$41,866	\$39,646	\$2,220	5.6%
25 Tractor, 80 PTO HP	\$39,443	\$36,784	\$2,659	7.2%
26 Tractor, 90 PTO HP, MFWD	\$49,751	\$—	\$49,751	0.0%
27 Tractor, 90 HP "MUDDER"	\$47,223	\$42,913	\$4,310	10.0%
28 Tractor, 100 PTO HP, MFWD	\$56,903	\$61,243	\$(4,340)	-7.1%
29 Tractor, 135 PTO HP	\$73,539	\$—	\$73,539	0.0%
30 Tractor, 150 PTO HP, MFWD	\$94,127	\$92,268	\$1,859	2.0%
31 Tractor, 170 PTO HP	\$95,284	\$—	\$95,284	0.0%
32 Tractor, 175 PTO HP, MFWD	\$113,842	\$—	\$113,842	0.0%
33 Tractor, 190 PTO HP	\$132,037	\$—	\$132,037	0.0%
34 Tractor, 215 PTO HP, MFWD	\$125,642	\$119,288	\$6,354	5.3%
35 Tractor, 335 Eng HP, Articulating	\$143,215	\$137,034	\$6,181	4.5%
36 Tractor, 375 Eng HP, Articulating	\$167,248	\$151,900	\$15,348	10.1%
37 Tractor, 400 Eng HP, Articulating	\$175,247	\$—	\$175,247	0.0%
38 Tractor, Crawler, Rubber Track	\$172,310	\$160,240	\$12,07	7.5%
<b>Self-Propelled Harvesters</b>				
39 Combine, Sm. Gr., PL20, 155 Bu	\$132,594	\$126,986	\$5,608	4.4%
40 Combine, Corn, 190 Bu, 6 Row	\$171,605	\$157,934	\$13,671	8.7%
41 Cotton Picker, 4 Row, HDC C	\$239,599	\$232,671	\$6,928	3.0%
42 Cotton Picker, 5 Row, HDC C	\$258,337	\$—	\$258,337	0.0%
43 Cotton Stripper, 4 Row, PSB PC	\$127,085	\$122,138	\$4,947	4.1%

Arizona Farm Machinery Costs, 2003|2004 — Arizona Cooperative Extension

	2003 Price	2000 Price	\$ Change	% Change	
<b>Self-Propelled Harvesters Continued</b>					
44	Forage Harvester, SP SB 14.0 PSB	\$205,616	\$208,616	\$(3,000)	-1.4%
45	Forage Harvester, SP WP 7.0 PSB	\$176,422	\$—	\$176,422	0.0%
46	Bale Wagon, SP PRC			\$—	0.0%
47	Bale Wagon, SP PRC w/Squeeze			\$—	0.0%
48	Windrower, 14.0', HS, SC	\$67,241	\$62,738	\$4,503	7.2%
49	Cauliflower Harvester, 18 Row	\$108,465	\$105,000	\$3,465	3.3%
50	Lettuce Harvester, 12 Row	\$91,937	\$89,000	\$2,937	3.3%
51	Chili Harvester, SP 2 Row	\$129,125	\$125,000	\$4,125	3.3%
52	Chili Harvester, SP 4 Row	\$194,204	\$188,000	\$6,204	3.3%
53	Catch Frame Harvester	\$150,648	\$133,493	\$17,155	12.9%
<b>Spray Equipment</b>					
54	High Clearance Sprayer, 18	\$76,582	\$70,308	\$6,274	8.9%
55	Over Vine Sprayer, 2 Row	\$23,359	\$22,100	\$1,259	5.7%
56	Directed Spray Rig, 8 Row	\$3,000	\$3,775	\$(775)	-20.5%
57	Directed Spray Rig, 16 Row	\$8,600	\$—	\$8,600	0.0%
58	Saddle Tk Sprayer, 2 Tk 8 Row	\$6,442	\$8,250	\$(1,808)	-21.9%
59	Spraycab	\$18,900	\$12,000	\$6,900	57.5%
60	Manual Spray Rig, 150 g on	\$2,000	\$2,400	\$(400)	-16.7%
61	Sprayer, Air Blast 500 GAL PTO		\$13,118	\$(13,118)	-100.0%
<b>Trailed Harvest Equipment</b>					
62	Bale Wagon, Pull	\$31,807	\$32,284	\$(477)	-1.5%
63	Baler, 1 Tn, 'BIG BALE'	\$90,000	\$90,000	\$—	0.0%
64	Baler, 2 Wire Auto PTO	\$22,125	\$21,935	\$190	0.9%
65	Baler, 3 Wire w/Motor	\$53,954	\$51,045	\$2,909	5.7%
66	Forage Harvester PTO RC2	\$39,919	\$36,672	\$3,247	8.9%
67	Forage Harvester PTO SB8.0	\$38,450	\$36,873	\$1,577	4.3%
68	Forage Harvester PTO WP7	\$37,000	\$32,023	\$4,977	15.5%
69	Forage Wagon PTO Unloader	\$35,000	\$30,000	\$5,000	16.7%
70	Tree Shaker, PTO	\$7,635	\$7,635	\$—	0.0%
71	Nut Harvester	\$17,335	\$14,835	\$2,500	16.9%
72	Module Builder	\$29,505	\$28,339	\$1,166	4.1%
73	Module Handler	\$65,532	\$62,000	\$3,532	5.7%
74	Mower, 7'	\$3,852	\$3,903	\$(51)	-1.3%
75	Potato Harvester, 2 Row	\$74,000	\$70,350	\$3,650	5.2%
76	Bean Knife Rig, 3 Pt/8 Row	\$13,783	\$13,040	\$743	5.7%
77	Rake, 9.5' LH	\$8,174	\$7,685	\$489	6.4%
78	Rake, 9.5' LH AND RH	\$19,044	\$15,900	\$3,144	19.8%
79	Rood, 3 Row w/Basket Cleaner	\$21,000	\$21,000	\$—	0.0%
80	Sweeper, 13' Tractor Mounted	\$24,500	\$22,475	\$2,025	9.0%
<b>Grading/Leveling Equipment</b>					
81	Blade Scraper, 10'	\$4,949	\$4,560	\$389	8.5%
82	Blade Scraper, 8'	\$2,774	\$3,145	\$(371)	-11.8%
83	Drag Scraper, 14'	\$5,521	\$5,127	\$394	7.7%
84	Landplane 14'x 60'	\$27,000	\$25,600	\$1,400	5.5%
85	Laser Receiver, Complete System	\$26,386	\$24,500	\$1,886	7.7%
86	Motor Grader, 12'	\$201,420	\$184,230	\$17,190	9.3%
<b>Plows</b>					
87	Moldboard Plow, 4-16 2 Way	\$8,288	\$7,470	\$818	11.0%
88	Moldboard Plow, 5-16 2 Way	\$10,952	\$10,329	\$623	6.0%
89	Subsoiler, Heavy Duty, 3 Shnk	\$5,000	\$4,400	\$600	13.6%

**Arizona Farm Machinery Costs, 2003|2004 — Arizona Cooperative Extension**

	<b>2003 Price</b>	<b>2000 Price</b>	<b>\$ Change</b>	<b>% Change</b>	
<b>Plows Continued</b>					
<b>90</b>	Subsoiler, Heavy Duty, 7 Shnk	\$7,851	\$7,290	\$561	7.7%
<b>91</b>	Switch Plow, 6-16	\$10,500	\$10,200	\$300	2.9%
<b>92</b>	V-Ripper, 5 Shnk	\$7,257	\$5,331	\$1,926	36.1%
<b>93</b>	V-Ripper, 7 Shnk	\$8,625	\$6,440	\$2,185	33.9%
<b>94</b>	V-Ripper, 11 Shnk	\$11,019	\$8,206	\$2,813	34.3%
<b>Disks/Harrows</b>					
<b>95</b>	Border Disk, Dbl. Gang	\$4,298	\$5,600	\$(1,302)	-23.3%
<b>96</b>	Border Disk, 6' Disk	\$2,933	\$2,372	\$561	23.7%
<b>97</b>	Border Disk, Heavy Duty	\$2,637	\$2,551	\$86	3.4%
<b>98</b>	Dbl. Offset Disk, 13'	\$9,342	\$8,768	\$574	6.5%
<b>99</b>	Dbl. Offset Disk, 16'	\$19,800	\$18,156	\$1,644	9.1%
<b>100</b>	Dbl. Offset Disk, 21'	\$22,964	\$20,808	\$2,156	10.4%
<b>101</b>	Offset Disk, 10.5'	\$9,387	\$8,851	\$536	6.1%
<b>102</b>	Offset Disk, 13.5'	\$14,432	\$13,604	\$828	6.1%
<b>103</b>	Offset Disk, 16.5'	\$17,054	\$16,163	\$891	5.5%
<b>104</b>	Offset Disk, 18'	\$20,632	\$19,224	\$1,408	7.3%
<b>105</b>	Offset Disk, 21'	\$22,985	\$21,342	\$1,643	7.7%
<b>106</b>	Tandem Disk, 10'	\$7,400	\$7,800	\$(400)	-5.1%
<b>107</b>	Tandem Disk, 12'	\$8,500	\$8,600	\$(100)	-1.2%
<b>108</b>	Section Harrow, 3 Section	\$1,789	\$1,437	\$352	24.5%
<b>109</b>	Section Harrow, 4 Section	\$2,106	\$1,699	\$407	24.0%
<b>Cultivators</b>					
<b>110</b>	Vegetable Cultivator, 4 Row	\$8,500	\$7,850	\$650	8.3%
<b>111</b>	Rolling Cultivator, 4 Row	\$5,390	\$4,823	\$567	11.8%
<b>112</b>	Rolling Cultivator, 6 Row	\$7,317	\$6,492	\$825	12.7%
<b>113</b>	Rotary Hoe, 4 Row	\$5,376	\$4,710	\$666	14.1%
<b>114</b>	Rotary Hoe, 6 Row	\$6,017	\$5,587	\$430	7.7%
<b>115</b>	Cultivator, Sweep, 4 Row	\$5,184	\$4,721	\$463	9.8%
<b>116</b>	Cultivator, Sweep, 6 Row	\$6,949	\$6,527	\$422	6.5%
<b>117</b>	Spring Tooth Renovator, 16'	\$7,950	\$7,497	\$453	6.0%
<b>118</b>	Cultivator, 4 Row	\$5,250	\$5,200	\$50	1.0%
<b>119</b>	Cultivator, 6 Row	\$6,200	\$6,100	\$100	1.6%
<b>120</b>	Cultipacker, 13'	\$4,800	\$4,800	\$—	0.0%
<b>Other Tillage Equipment</b>					
<b>121</b>	Whole Stalk Plow, 4 Row	\$26,436	\$26,436	\$—	0.0%
<b>122</b>	Whole Stalk Plow, 6 Row	\$36,174	\$36,174	\$—	0.0%
<b>123</b>	Furrow Spike, 4 Row	\$5,200	\$5,200	\$—	0.0%
<b>124</b>	Lister, 5 Bottom	\$6,027	\$5,597	\$430	7.7%
<b>125</b>	Lister, 7 Bottom	\$7,138	\$6,628	\$510	7.7%
<b>126</b>	Mulch Layer, 1 Row	\$1,751	\$1,225	\$526	42.9%
<b>127</b>	Row Checker, 6 Row	\$2,275	\$1,967	\$308	15.7%
<b>128</b>	Power Mulcher, 4 Row	\$5,198	\$5,198	\$—	0.0%
<b>129</b>	Power Mulcher, 6 Row	\$8,538	\$8,538	\$—	0.0%
<b>130</b>	Rowbuck, 10'	\$2,738	\$2,719	\$19	0.7%
<b>131</b>	Rototiller, 6'	\$3,850	\$3,876	\$(26)	-0.7%
<b>132</b>	Disk-Lister, 4 Row	\$19,164	\$19,164	\$—	0.0%
<b>133</b>	Disk-Lister, 6 Row	\$27,026	\$27,026	\$—	0.0%
<b>134</b>	Bed Roller, 4 Row	\$9,367	\$9,367	\$—	0.0%
<b>135</b>	Bed Roller, 6 Row	\$12,704	\$12,704	\$—	0.0%
<b>136</b>	Root Cutter-Puller, 4 Row	\$6,145	\$6,190	\$(45)	-0.7%

Arizona Farm Machinery Costs, 2003|2004 — Arizona Cooperative Extension

	2003 Price	2000 Price	\$ Change	% Change	
<b>Other Tillage Equipment Continued</b>					
137	Root Cutter-Puller, 6 Row	\$8,525	\$8,734	\$(209)	-2.4%
<b>Planting Equipment</b>					
138	Seeder, Broadcast	\$1,020	\$1,020	\$—	0.0%
139	Grain Drill, 12' w/Fert Box	\$12,152	\$10,614	\$1,538	14.5%
140	Grain Drill, 14'	\$12,678	\$11,010	\$1,668	15.1%
141	Planter, Drill Type, 4 Row	\$14,860	\$10,956	\$3,904	35.6%
142	Planter, Drill Type, 6 Row	\$16,926	\$15,643	\$1,283	8.2%
143	Planter, Drawn Drill Type 4 Row	\$21,587	\$18,666	\$2,921	15.6%
144	Planter, Drawn Drill Type 6 Row	\$21,871	\$16,481	\$5,390	32.7%
145	Planter, Potato, 3 Comp. 4 Row	\$32,000	\$37,500	\$(5,500)	-14.7%
146	Planter, Potato, 3 Comp. 6 Row	\$43,000	\$—	\$43,000	0.0%
147	Planter, Planet Jr, 2 Row, 4 Unit	\$3,026	\$2,562	\$464	18.1%
148	Planter, Stanhay, 4 Row	\$14,375	\$14,375	\$—	0.0%
149	Planter, Flex, 2 Line	\$886	\$886	\$—	0.0%
150	Air Planter, 8 Row	\$30,000	\$30,000	\$—	0.0%
151	Transplanter, Veg, 2 Row	\$4,460	\$4,228	\$232	5.5%
152	Transplanter, Veg, 4 Row	\$10,104	\$9,578	\$526	5.5%
<b>Fertilizing Equipment</b>					
153	Fert. Side Dress Unit, 4 Row	\$8,400	\$8,400	\$—	0.0%
154	Fert. Side Dress Unit, 6 Row	\$9,300	\$9,300	\$—	0.0%
155	Fertilizer Injector, 3 Row	\$6,391	\$5,686	\$705	12.4%
156	Fertilizer Injector, 4 Row	\$7,989	\$7,108	\$881	12.4%
157	Fertilizer Injector, 6 Row	\$10,448	\$9,296	\$1,152	12.4%
<b>Miscellaneous Equipment</b>					
158	3 Point Guidance Hitch	\$7,164	\$7,164	\$—	0.0%
159	Brush Rake	\$5,200	\$5,356	\$(156)	-2.9%
160	Cane Trimmer, 1 Head	\$1,995	\$1,775	\$220	12.4%
161	Rotary Stalk Cutter, 2 Row	\$5,769	\$5,129	\$640	12.5%
162	Rotary Stalk Cutter, 4 Row	\$9,098	\$9,152	\$(54)	-0.6%
163	Row Crop Shredder, 4 Row	\$12,900	\$—	\$12,900	0.0%
164	Flail Mower, PTO	\$7,075	\$6,295	\$780	12.4%
165	Rotary Mower, Offset 10.7'	\$10,000	\$8,007	\$1,993	24.9%
166	Vineyard Shredder, 7'	\$9,495	\$9,495	\$—	0.0%
167	Berm Sweep	\$6,519	\$5,800	\$719	12.4%
168	Water Wagon, 1000 Gal Tank	\$6,620	\$4,600	\$2,020	43.9%
169	Flat Trailer	\$1,815	\$—	\$1,815	0.0%
170	Border Blocker	\$5,500	\$5,200	\$300	5.8%
171	Front End Loader	\$8,343	\$7,272	\$,071	14.7%
172	Orchard Trimmer, Small Range	\$37,700	\$36,816	\$884	2.4%
173	Orchard Trimmer, Mid Range	\$105,200	\$89,030	\$16,170	18.2%
174	Orchard Trimmer, Heavy Duty	\$162,000	\$147,300	\$14,700	10.0%
175	Tractor Autopilot System	\$41,500	\$—	\$41,500	0.0%
<b>Feeding Equipment</b>					
176	Truck, Mixer/Feeder w/Scales	\$—	\$41,524	\$(41,524)	-100.0%
177	Mixer/Feeder Wagon w/Scales	\$—	\$42,274	\$(42,274)	-100.0%
178	Skip Loader, Wheeled	\$—	\$89,426	\$(89,426)	-100.0%