

# 1995 EQUIPMENT INDEX FACTORS AND PERCENT GOOD FACTORS

(Use for Lien Date March 1, 1995)

## **INDEX FACTORS USED TO ESTIMATE REPLACEMENT COST NEW**

### **Table 1: Commercial Equipment Index Factors**

These factors are derived using data provided courtesy of the Marshall and Swift Publication Co., *Marshall Valuation Service*. Indexes are to be used for each appropriate class of equipment.

### **Table 2: Industrial Machinery and Equipment Index Factors**

These indexes are derived from data in the Bureau of Labor and Statistics' *Producer Price Indexes*.

### **Table 3: Agricultural and Construction Equipment Index Factors**

These indexes are derived from data in the Bureau of Labor Statistics' *Producer Price Indexes*.

## **PERCENT GOOD FACTORS USED TO ESTIMATE REPLACEMENT COST NEW LESS NORMAL DEPRECIATION**

### **Table 4: Agricultural and Construction Mobile Equipment Percent Good Factors**

These factors are derived from a detailed analysis of used equipment sales data.

### **Table 5: Machinery and Equipment Percent Good Factors**

These factors are derived from a system developed by the Iowa State University Engineering Research Center. The rate of return used to compute these factors is calculated annually and is shown on the table.

**TABLE I**  
**COMMERCIAL EQUIPMENT INDEX FACTORS**  
 1994 COST = 100

Year	Bank	Garage	Hospital	Hotel	Laundry & Dry Cleaning	Library	Office	Rest- aurant	Retail	Theater	Ware- house	Service	Year
1994	100	100	100	100	100	100	100	100	100	100	100	100	1994
1993	105	105	105	105	105	105	104	105	105	105	105	105	1993
1992	107	107	107	108	107	108	106	108	108	107	108	107	1992
1991	109	108	108	110	108	109	107	110	110	108	109	109	1991
1990	110	110	111	112	110	111	108	112	112	110	111	111	1990
1989	113	113	114	116	113	114	111	116	115	113	114	114	1989
1988	119	119	120	122	119	120	116	122	121	119	119	120	1988
1987	123	124	126	127	124	125	121	127	126	124	123	125	1987
1986	126	126	128	130	126	127	123	130	128	127	124	127	1986
1985	127	126	130	132	127	128	125	132	129	128	125	128	1985
1984	128	128	132	135	129	130	126	135	131	130	127	130	1984
1983	132	132	136	138	133	134	130	139	136	134	130	134	1983
1982	136	135	139	142	135	137	133	142	139	138	131	137	1982
1981	141	141	146	148	141	143	138	149	145	144	137	143	1981
1980	153	157	160	166	155	157	150	164	158	157	152	157	1980
1979	165	173	176	178	171	170	163	180	170	171	165	171	1979
1978	180	190	193	194	186	186	176	197	186	187	180	187	1978
1977	193	204	207	209	199	201	188	212	201	201	194	201	1977
1976	202	214	217	220	209	211	195	223	212	211	204	211	1976
1975	214	226	229	232	221	223	206	238	226	223	221	224	1975
1974	236	253	253	256	248	246	228	263	246	246	241	247	1974
1973	271	292	291	288	290	286	260	303	283	284	272	284	1973
1972	282	301	303	300	299	298	271	314	295	296	280	294	1972
1971	290	313	315	308	309	306	278	322	302	304	289	303	1971
1970	306	332	337	322	327	320	292	335	318	320	308	320	1970
1969	327	351	360	340	347	342	310	351	338	340	325	339	1969
1968	341	366	378	357	360	357	324	366	352	355	336	354	1968
1967	355	378	395	372	374	373	338	380	368	370	349	368	1967
1966	372	389	411	389	387	391	353	395	384	387	359	383	1966
1965	383	400	424	399	397	399	359	403	391	393	368	392	1965
1964	387	409	430	402	398	402	362	405	395	397	370	396	1964
1963	389	415	435	404	402	404	365	406	397	399	372	399	1963
1962	390	417	436	408	402	407	367	410	400	402	375	401	1962
1961	393	421	439	411	402	408	369	413	402	404	376	403	1961
1960	391	423	440	413	396	409	371	412	404	406	373	403	1960
1959	396	428	445	417	395	413	374	413	407	409	374	406	1959
1958	402	438	453	420	400	415	376	419	409	412	384	412	1958
1957	415	452	464	429	403	429	389	438	423	425	395	424	1957
1956	446	494	505	452	429	455	412	473	451	458	426	455	1956
1955	494	547	560	488	468	500	445	490	496	508	469	497	1955
1954	513	565	581	507	481	519	461	492	515	527	487	513	1954
1953	515	570	583	509	489	522	464	497	517	529	489	517	1953
1952	528	576	596	513	495	524	471	496	519	540	491	523	1952
1951	517	577	585	511	497	523	469	537	518	530	489	523	1951
1950	557	625	628	551	531	559	504	564	552	569	525	560	1950
1949	578	660	650	577	548	585	527	538	577	589	543	579	1949
1948	558	657	629	552	548	576	506	578	569	570	544	572	1948
1947	604	716	684	596	588	617	544	712	606	615	584	624	1947
1946	696	907	800	735	703	749	667	809	753	723	732	752	1946
1945	786	1114	887	853	831	874	777	920	890	822	849	873	1945

**TABLE II**  
**INDUSTRIAL MACHINERY AND EQUIPMENT INDEX FACTORS**  
 1994 COST = 100

YEAR	Group 1	Group 2	Group 3	Group 4	Group 5	Group 6
1994	100	100	100	100	100	100
1993	103	101	102	102	102	102
1992	105	103	104	103	104	104
1991	106	105	106	106	107	107
1990	107	107	108	108	110	110
1989	108	110	111	111	113	114
1988	111	113	115	115	118	119
1987	119	118	120	120	123	124
1986	123	120	123	123	127	126
1985	124	122	125	126	130	128
1984	125	124	128	129	134	131
1983	128	127	131	132	138	135
1982	130	130	134	136	142	137
1981	131	134	138	140	147	142
1980	143	146	150	153	160	154
1979	156	163	168	172	181	173
1978	172	179	184	188	199	193
1977	188	195	201	207	219	213
1976	200	209	216	223	238	232
1975	210	221	229	237	255	247
1974	221	237	246	256	277	268
1973	294	295	312	321	345	339
1972	312	310	332	342	372	361
1971	319	317	339	349	379	369
1970	333	325	349	359	390	380
1969	358	347	376	386	420	407
1968	370	359	391	402	439	423
1967	378	371	405	418	460	440
1966	386	383	419	433	479	458
1965	397	395	433	449	497	478
1964	403	400	439	456	507	490
1963	406	404	443	462	515	498
1962	406	405	447	466	523	501
1961	403	406	449	471	531	508
1960	397	406	447	470	530	512
1959	400	410	451	475	536	524
1958	403	418	460	485	548	537
1957	405	427	468	495	559	550

**TABLE III**  
**AGRICULTURAL AND CONSTRUCTION EQUIPMENT INDEX FACTORS**  
 1994 COST = 100

Year	Agricultural	Construction
1994	100	100
1993	102	102
1992	105	103
1991	108	106
1990	113	109
1989	116	113
1988	122	119
1987	127	122
1986	126	125
1985	127	127
1984	127	129
1983	130	131
1982	134	133
1981	142	139
1980	158	153
1979	176	172
1978	194	189
1977	210	208
1976	225	226
1975	246	240
1974	268	271
1973	332	344
1972	350	365
1971	362	375
1970	370	386
1969	396	418
1968	414	437
1967	430	462
1966	444	478
1965	457	493
1964	466	506
1963	473	519
1962	480	527
1961	490	529
1960	499	537

**TABLE IV**  
**AGRICULTURAL AND CONSTRUCTION MOBILE EQUIPMENT**  
**PERCENT GOOD FACTORS**

Year Acquired	Age	CONSTRUCTION MOBILE EQUIPMENT		AGRICULTURAL MOBILE EQUIPMENT				Age
				EXCEPT HARVESTERS		HARVESTERS		
		New	Used	New	Used	New	Used	
1994	1	75	92	74	92	70	89	1
1993	2	69	85	68	85	62	79	2
1992	3	63	78	63	78	51	70	3
1991	4	58	72	58	72	45	63	4
1990	5	53	66	53	66	37	56	5
1989	6	49	61	45	56	31	46	6
1988	7	45	56	38	48	26	39	7
1987	8	42	51	33	41	21	32	8
1986	9	38	47	28	34	18	27	9
1985	10	35	43	24	29	15	22	10
1984	11	32	40	20	25		18	11
1983	12	30	37	17	21		15	12
1982	13	27	34	14	18			13
1981	14	23	31		15			14
1980	15	21	29					15
1979	16	20	26					16
1978	17	18	24					17
1977	18	17	22					18
1976	19	15	21					19
1975	20		19					20

NO MINIMUM PERCENT GOOD INTENDED

USE OF TABLE IV

The percent good table is designed to assist the appraiser in determining total loss of value once replacement cost new (RCN) has been determined for the captioned equipment.

The table, derived from used equipment sales data, identifies a pattern of depreciation for three groups of equipment. Within each group two columns of percent good figures, "New" and "Used" are listed. The column labeled "New" should be used to measure depreciation if the subject property was acquired new; conversely the column labeled "Used" should be applied when the equipment was purchased used.

**TABLE V**  
MACHINERY AND EQUIPMENT PERCENT GOOD FACTORS  
INDIVIDUAL PROPERTIES-- AVERAGE SERVICE LIFE

8.0% Rate of return

Year Acq'd	AGE	3	4	5	6	7	8	9	10	11	12	13	14	15	17	18	20	22	25	30	35	40	AGE	Year Acq'd
1994	1	67	76	81	85	88	89	91	92	93	94	95	95	96	96	97	97	98	98	99	99	99	1	1994
1993	2	38	53	63	70	75	79	82	84	86	88	89	90	91	93	93	95	95	96	98	98	99	2	1993
1992	3	17	33	45	55	62	68	72	76	79	81	83	85	86	89	90	92	93	94	96	97	98	3	1992
1991	4	6	17	30	41	50	57	62	67	71	74	77	79	81	85	86	88	90	92	95	96	97	4	1991
1990	5		8	18	28	38	46	53	58	63	67	71	74	76	80	82	85	88	90	93	95	97	5	1990
1989	6		2	10	18	27	36	43	50	55	60	64	68	71	76	78	82	85	88	92	94	96	6	1989
1988	7			5	11	19	27	35	42	48	53	58	62	66	72	74	78	82	86	90	93	95	7	1988
1987	8				7	13	20	27	34	40	46	51	56	60	67	70	75	78	83	88	92	94	8	1987
1986	9				3	8	14	20	27	33	40	45	50	55	62	65	71	75	81	87	91	93	9	1986
1985	10					4	10	15	21	27	33	39	44	49	57	61	67	72	78	85	89	92	10	1985
1984	11					1	6	11	16	22	27	33	38	44	52	56	63	69	75	83	88	91	11	1984
1983	12						3	8	12	17	22	28	33	38	48	52	59	65	72	81	86	90	12	1983
1982	13							4	9	13	18	23	28	33	43	47	55	61	69	79	85	89	13	1982
1981	14							1	6	10	14	18	24	29	38	43	51	58	66	76	83	88	14	1981
1980	15								3	7	11	15	20	24	34	38	47	54	63	74	82	87	15	1980
1979	16								1	4	9	12	16	20	30	34	43	50	60	72	80	86	16	1979
1978	17									2	6	9	13	17	26	30	39	47	57	69	78	84	17	1978
1977	18										3	7	11	14	22	26	35	43	54	67	76	83	18	1977
1976	19										1	5	8	11	19	23	31	39	50	64	75	81	19	1976
1975	20											2	6	10	16	20	28	35	47	62	73	80	20	1975
1974	21												4	8	14	17	25	32	44	59	71	79	21	1974
1973	22												1	5	12	15	22	29	41	56	68	77	22	1973
1972	23													3	10	12	19	26	37	54	66	75	23	1972
1971	24													1	8	11	17	24	34	51	64	74	24	1971
1970	25														5	8	15	21	31	48	62	72	25	1970
1969	26														2	6	13	19	29	45	60	70	26	1969
1968	27															4	11	16	26	43	57	68	27	1968
1967	28															2	9	15	24	40	55	67	28	1967
1966	29																7	12	22	37	52	65	29	1966
1965	30																5	11	20	35	50	63	30	1965
1964	31																3	8	18	32	48	60	31	1964
1963	32																1	7	16	30	45	59	32	1963
1962	33																	5	14	28	43	56	33	1962
1961	34																	3	13	26	41	54	34	1961
1960	35																	1	11	23	38	52	35	1960
1959	36																		9	22	36	50	36	1959
1958	37																		7	20	34	48	37	1958
1957	38																		5	18	32	46	38	1957
1956	39																		3	17	30	44	39	1956
1955	40																		1	15	28	42	40	1955
1954	41																			13	26	39	41	1954
1953	42																			12	25	38	42	1953
1952	43																			10	22	36	43	1952
1951	44																			8	21	34	44	1951
1950	45																			7	19	32	45	1950
1949	46																			4	18	31	46	1949
1948	47																			2	17	28	47	1948