

1990 SEASON STRAT-O-MATIC 26 TEAM and ADDITIONAL PLAYERS BASEBALL ROSTERS

NATIONAL LEAGUE

ATLANTA			CHICAGO			CINCINNATI			HOUSTON			LOS ANGELES						
PITCHERS	BK	WP	E-RAI	PITCHERS	BK	WP	E-RAI	PITCHERS	BK	WP	E-RAI	PITCHERS	BK	WP	E-RAI			
Avery, S.	2	10		Assenmacher, P.	0	4		Armstrong, J.	10	9		Agosto, J.	0	1				
a Castillo, T.	6	5		Bielecki, M.	0	14		a Birbas, T.	0	16		a Andersen, L.	0	8				
Clary, M.	3	10		Boskie, S.	7	8		* Browning, T.	2	4		a Clancy, J.	0	7				
a Freeman, M.	0	18		Harkley, M.	2	10		Charlton, N.	2	13		Darwin, D.	4	0				
* Glavine, T.	1	8		Lancaster, L.	0	14		Dibble, R.	3	7		* Deshaies, J.	5	2				
Grant, M.	3	4		a Long, B.	0	3		Jackson, D.	3	5		Gullickson, B.	3	2				
Leibrandt, C.	6	5		* Maddux, G.	4	2		a Layana, T.	15	13		Hernandez, X.	0	20				
a Luack, R.	0	7		a Nunez, J.	11	8	P-48	Mahler, R.	5	4		Portugal, M.	0	8				
Mercker, K.	0	8		a Pico, J.	4	4		Myers, R.	4	5		* Scott, M.	4	0				
Parrett, J.	3	8		Williams, M.	2	12		Rijo, J.	8	1		Smith, D.	20	20				
a Smith, P.	4	5		Wilson, S.	2	2		a Scudder, S.	8	5		CATCHERS	SB-CS	PR	CATCHERS	SB-CS	PR	
* Smoltz, J.	4	13		CATCHERS	SB-CS	PR	CATCHERS	SB-CS	PR	CATCHERS	SB-CS	PR	CATCHERS	SB-CS	PR			
CATCHERS	SB-CS	PR	CATCHERS	SB-CS	PR	CATCHERS	SB-CS	PR	CATCHERS	SB-CS	PR	CATCHERS	SB-CS	PR	CATCHERS	SB-CS	PR	
a Kremers, J.	0-0	3		a Berryhill, D.	0-0	4		Oliver, J.	1-1	7		Biggio, C.	25-11	2		Dempsey, R.	1-0	5
Olson, G.	1-1	0		a Giardi, J.	8-3	5		Reed, J.	0-0	2		a Gedman, R.	0-0	11		a Lyons, B.	0-0	3
Whitt, E.	0-2	5		Villanueva, H.	1-0	10		a Trivino, A.	0-1	9		a Nichols, C.	0-0	8		a Scioscia, M.	4-1	2
INFIELDBERS			INFIELDBERS				INFIELDBERS				INFIELDBERS				INFIELDBERS			
Blaster, J.	3-5			Dunston, S.	25-5			Benzinger, T.	3-4			Cannell, K.	9-4			Ortín, A.	6-3	
a Cabrera, F.	1-0	0		Grace, M.	15-6			Doran, B.	23-9			Candace, C.	7-5			Harris, L.	15-10	
Grigg, T.	4-3			Ramos, D.	0-2		SS-52	Duncan, M.	13-7		SS-68	Davis, G.	8-3			a Hatcher, M.	0-0	38-65
Lemke, M.	0-1			Salazar, L.	3-1		LF-17	Larkin, B.	30-5			Oberdorf, K.	1-1			Murray, E.	6-5	
Presley, J.	1-1			Sandberg, R.	25-7			Morris, H.	9-3		LF-25	Ramirez, R.	10-5			a Randolph, W.	1-0	
Thomas, A.	2-1			a Wilkinson, C.	2-2		2B-53+	Oester, R.	1-2		SS-66	Rohde, D.	0-0			Samuel, J.	30-20	
Treadway, J.	3-4			OUTFIELDERS				a Quinones, L.	1-0			Stubbs, F.	19-6			Shaperson, M.	15-8	18-30
OUTFIELDERS			OUTFIELDERS				OUTFIELDERS				OUTFIELDERS				OUTFIELDERS			
Gant, R.	33-16			Clark, D.	7-1			Sabo, C.	25-10			Anthony, E.	5-0			a Vizzano, J.	1-1	
Justice, D.	11-8			Dazozzo, D.	15-8			OUTFIELDERS				a Davidson, M.	0-3			OUTFIELDERS		
McDowell, O.	13-2			Dawson, A.	18-2			Briggs, G.	3-4			a Ortiz, J.	1-1			Brooks, H.	2-5	
Smith, L.	10-10			a May, D.	1-0			Davis, E.	21-3			a Rhoads, K.	4-1			Daniels, K.	4-3	
a Vatcher, J.	0-0			Smith, D.	11-6			Hatcher, B.	30-10			Wilson, G.	0-3			a Gibson, K.	28-2	
				Watson, J.	14-7			O'Neill, P.	13-11			Yalving, E.	64-25			a Gonzalez, J.	3-1	
				a Wynne, M.	3-2			a Wittingham, H.	6-4			Young, G.	6-3			Gwynn, C.	0-1	
																Javier, S.	15-7	

MONTREAL			NEW YORK			PHILADELPHIA			PITTSBURGH			ST. LOUIS						
PITCHERS	BK	WP	E-RAI	PITCHERS	BK	WP	E-RAI	PITCHERS	BK	WP	E-RAI	PITCHERS	BK	WP	E-RAI			
Boyd, O.	5	3		Cove, D.	6	11		Aberfelds, D.	3	17		Belinda, S.	0	3				
Burke, T.	5	2		Darling, R.	2	8		Boever, J.	7	7		* Drabek, D.	0	5				
a Frey, S.	0	0		Fernandez, S.	0	0		a Caman, D.	4	15		Heaton, N.	2	6				
Gardner, M.	8	2		Francis, J.	9	20		Combs, P.	2	10		a Kipper, B.	20	3				
Gross, K.	2	5		* Gooden, D.	3	5		DeJesus, J.	0	6		Landrum, B.	4	2				
a Hall, D.	0	11		a Machado, J.	0	19		a Greene, T.	0	3		Patterson, B.	7	1				
* Martinez, D.	1	0		Ojeda, A.	5	3		a Grimsley, J.	5	20		Smiley, J.	4	2				
a Mohorcic, D.	6	3		Pena, A.	0	0		Howell, K.	0	18		* Smith, Z.	0	1				
Napholz, C.	5	2		a Schatzeder, D.	0	8		McDowell, R.	4	2	P-51	a Terrill, W.	8	17				
Ruskin, S.	3	8		* Voia, F.	0	10		Muholland, T.	4	8		a Tomlin, R.	16	2				
Sampen, B.	0	9		a Whitehurst, W.	0	8		Ruffin, B.	5	3		Walk, B.	7	5				
CATCHERS	SB-CS	PR	CATCHERS	SB-CS	PR	CATCHERS	SB-CS	PR	CATCHERS	SB-CS	PR	CATCHERS	SB-CS	PR	CATCHERS	SB-CS	PR	
Fitzgerald, M.	8-1	1		Hundley, T.	0-0	9		Dauton, D.	7-1	1		LaValiere, M.	0-3	1		Tudor, J.	0	0
Goff, J.	0-2	20	3B-65	a O'Brien, C.	0-0	0		Laka, S.	0-0	3		Slough, D.	0-1	2		CATCHERS	SB-CS	PR
a Mercado, D.	0-0	7		Sasser, M.	0-0	0		INFIELDBERS				INFIELDBERS				Pagnozzi, T.	1-1	0
a Santovana, N.	0-3	7		INFIELDBERS				Booker, R.	3-1		3B-50	Backman, W.	6-3			Zela, T.	2-4	3
INFIELDBERS			INFIELDBERS				INFIELDBERS				INFIELDBERS				INFIELDBERS			
DeShields, D.	42-22			Estler, K.	2-0			Hayes, C.	4-4			Bell, J.	10-6			Guarero, P.	1-1	
Foley, T.	0-1			Herr, T.	7-1			a Hoffas, D.	0-0			Bellard, R.	1-2			Hudler, R.	18-10	28-66+
a Gattiraga, A.	10-1			Jefferies, G.	11-2			Jordan, R.	2-0			Bream, S.	8-4			Jones, T.	3-4	
a Noboa, J.	4-1			Johnson, H.	34-8			Morandini, M.	3-0			King, J.	3-3			Quendo, J.	1-1	
Owen, S.	8-6			Magadan, D.	2-1			Ready, R.	3-2			Lind, J.	8-0			Pendleton, T.	7-5	
Wallach, T.	8-9			a Marshall, M.	0-2			Thor, D.	12-5			a McClendon, L.	1-0	20		Smith, O.	32-6	
OUTFIELDERS			OUTFIELDERS				OUTFIELDERS				OUTFIELDERS				OUTFIELDERS			
Aldrete, M.	1-2			a O'Malley, T.	0-0		1B-30	a Campuzano, S.	1-0		LF-17+	Bonds, B.	62-13			a Whiting, D.	0-0	
Grisson, M.	22-2			Tavel, T.	6-0			a Chamberlain, W.	4-0			Bonilla, B.	4-3			Wilson, C.	0-2	
Martinez, D.	13-11			OUTFIELDERS				Dykstra, L.	33-5			a Cangelosi, J.	7-2			OUTFIELDERS		
Nison, O.	50-13			Boston, D.	18-7			Hayes, W.	16-7			a Martinez, C.	2-1			Coleman, V.	77-17	
Raines, T.	49-16			a Carson, M.	1-0			a Jones, R.	0-1			Reynolds, R.J.	12-2			a Jose, F.	4-4	
Walker, L.	21-7			McReynolds, K.	9-2			Kruk, J.	10-5			Van Slyke, A.	14-4			Lanford, R.	8-2	
				Miller, K.	16-3			Murphy, D.	9-3							a McGee, W.	28-9	CF-21+
				Strawberry, D.	15-8											Thompson, M.	25-5	

1990 SEASON STRAT-O-MATIC 26 TEAM and ADDITIONAL PLAYERS BASEBALL ROSTERS

AMERICAN LEAGUE

BALTIMORE				BOSTON				CALIFORNIA				CHICAGO				CLEVELAND			
PITCHERS	BK	WP	E-RAI	PITCHERS	BK	WP	E-RAI	PITCHERS	BK	WP	E-RAI	PITCHERS	BK	WP	E-RAI	PITCHERS	BK	WP	E-RAI
Balard, J.	3	2		Boddicker, M.	0	9		Abbott, J.	5	3		Edwards, W.	0	1		Cardoni, T.	5	9	
Harnack, P.	3	1		Bolton, T.	3	1		Blyleven, B.	0	9		Fernandez, A.	0	2		Farrell, J.	0	1	
Holton, B.	7	7		Clemens, R.	0	8		Eichhorn, M.	0	4		Hibbard, G.	2	1		Qualls, C.	0	0	
Johnson, D.	4	0		Gardner, W.	4	5		Fellers, M.	0	9		Jones, B.	5	0		Jones, D.	0	5	
McDonald, B.	0	9		Gray, J.	0	8		Finley, C.	0	8		King, E.	7	2		Olin, S.	0	0	P-48
Milacki, B.	2	2		Harris, G.	2	8		Fraser, W.	0	2		McDowell, J.	1	7		Orosco, C.	0	2	
Michel, J.	0	5		Klecker, D.	2	13		Grabe, J.	0	4		Pal, D.	0	5		Shaw, J.	0	12	
Olson, G.	0	15		Lamp, D.	0	3		Harvey, B.	8	20		Patterson, K.	0	8		Swindell, G.	4	2	
Price, J.	0	3	P-44	Murphy, R.	0	13		Langston, M.	0	7		Perez, M.	7	8		Valdez, S.	0	6	
Williamson, M.	0	2		Reardon, J.	0	0		McCaskill, K.	2	7		Peterson, A.	0	7		Walker, M.	4	7	
CATCHERS	SB-CS	PR		Reed, J.	6	20		CATCHERS	SB-CS	PR		Radinsky, S.	7	7		CATCHERS	SB-CS	PR	
Malvin, B.	0-1	0		CATCHERS	SB-CS	PR		Parrish, L.	2-2	4		Thigpen, B.	0	5		Alomar, S.	4-1	4	
Tarleton, M.	2-4	1	1B-30	Marzano, J.	0-1	0		Schroeder, B.	0-0	2		CATCHERS	SB-CS	PR		Skinner, J.	0-0	3	
INFIELDBERS				Pena, T.	9-6	1		INFIELDBERS				Flak, C.	7-2	4		INFIELDBERS			
Gonzalez, R.	11-2			INFIELDBERS				Anderson, K.	0-2			2B-53	Karkovics, R.	2-0	1		Baerga, C.	0-2	2B-71
Horn, S.	0-0		1B-30	Barrett, M.	4-0			Hill, D.	1-2			3B-53	Stark, M.-DH	0-0			Brookers, T.	0-0	3B-39
Huett, T.	1-0			Boggs, W.	0-0			Howell, J.	3-0			SS-89	INFIELDBERS				Browns, J.	12-7	
Kittle, R.	0-0			Kutcher, R.	3-3			Joyner, W.	2-1				Fletcher, S.	1-3			Ferns, F.	3-3	
Milgan, R.	6-3			Nashring, T.	0-0	3B-41+		Ray, J.	2-3				Grabeck, C.	0-0			Hernandez, K.	0-0	
Ripken, B.	5-2			Quintana, C.	1-2			Schofield, D.	3-4			2B-71+	Gillen, O.	13-17			Jacoby, S.	1-4	
Ripken, C.	3-1		SS-3	Reed, J.	4-4			Schu, R.	0-0				Lyons, S.	1-0		2B-44	Mario, J.	0-1	
Segul, D.	0-0			Rivers, L.	4-3			Stevens, L.	1-1				Martinez, C.	0-4			Phelps, K.	1-0	
Worthington, C.	1-2			OUTFIELDERS				OUTFIELDERS					Thomas, F.	0-1			OUTFIELDERS		
OUTFIELDERS				Brunanaky, T.	5-10			Schultz, D.	5-2				Ventura, R.	1-4			Cole, A.	40-9	CF-17
Anderson, B.	15-2			Burke, E.	9-11			Davis, C.	1-2			OUTFIELDERS				James, C.	4-3		LF-18+
Duversaux, M.	13-12			Evans, D.-DH	3-4			Downing, B.-DH	0-0			Bradley, P.	17-7			James, D.	5-3		
Finley, S.	22-9			Greenwell, M.	9-7			Polonia, L.	21-14			Calderson, I.	32-16			Jefferson, S.	9-4		
Gallagher, D.	1-2			Heep, D.	0-0	1B-30		Venable, M.	5-1			Johnson, L.	36-22			Maldonado, C.	3-5		
Komrnisk, B.	1-1		RF-24	Marshall, M.	0-0			White, D.	21-6			Pasqua, D.	1-1			Snyder, C.	1-4		
Oravak, J.	6-8			Romina, K.	4-0			Winfield, D.	0-1			Sosa, S.	32-16			Webster, M.	22-6	1B-30	

DETROIT				KANSAS CITY				MILWAUKEE				MINNESOTA				NEW YORK			
PITCHERS	BK	WP	E-RAI	PITCHERS	BK	WP	E-RAI	PITCHERS	BK	WP	E-RAI	PITCHERS	BK	WP	E-RAI	PITCHERS	BK	WP	E-RAI
Gibson, P.	3	1		Apper, K.	2	7		Bosco, C.	0	11		Agutera, R.	0	10		Caclari, G.	0	20	
Gleaton, J.	5	5		Aquino, L.	5	9		Critt, C.	4	0		Anderson, A.	5	4		Cary, C.	4	16	
Henneman, M.	0	6	P-44	Crawford, S.	0	2		Edens, T.	0	1	P-48	Berenguer, J.	0	10		Guetterman, L.	4	2	
Morra, J.	2	14		Davis, M.	0	17		Higuera, T.	2	2		Drummond, T.	0	4		Hawkins, A.	2	2	
Nunez, E.	0	11		Davis, S.	3	15		Knudson, M.	0	7		Erickson, S.	0	5		Jones, J.	0	11	
Parker, C.	0	12		Farr, S.	0	3		Krueger, B.	0	13		Guthrie, M.	0	14		LaPoint, D.	0	5	
Petry, D.	0	14		Gordon, T.	0	12		Mirabella, P.	0	3		Leach, T.	4	2		Leary, T.	0	20	
Hobinson, J.	2	20		Gubicza, M.	3	4		Navarro, J.	11	8		Smith, R.	0	14		Plunk, E.	9	12	P-40
Searcy, S.	0	8		McGaffigan, A.	0	8		Plesac, O.	0	6		Tapani, K.	0	0		Righetti, D.	0	7	
Tanana, F.	2	5		Montgomery, J.	0	6		Robinson, R.	0	2		West, D.	2	6		Robinson, J.	0	4	P-48
Terrell, W.	0	0		Saberhagen, B.	0	1		CATCHERS	SB-CS	PR		CATCHERS	SB-CS	PR		Witt, M.	0	13	
CATCHERS	SB-CS	PR		CATCHERS	SB-CS	PR		McIntosh, T.	0-0	20		Harper, B.	3-2	1		CATCHERS	SB-CS	PR	
Hearn, M.	7-6	2		Boone, B.	1-1	3		O'Brien, C.	0-0	3		Ortiz, J.	0-4	8		Cerone, R.	0-0	9	
Sata, M.	0-0	3		MacLachlan, M.	1-0	2		Surhoff, B.J.	18-7	1	3B-50	INFIELDBERS				Ceron, B.	0-0	5	
INFIELDBERS				INFIELDBERS				INFIELDBERS				Gaelli, G.	6-1			Nokes, M.	2-2	5	
Bergman, D.	3-2			Brett, G.	9-2			Brock, G.	4-2			Gagne, G.	8-8			INFIELDBERS			
Coker, D.	0-4		1B-30+	Jeltz, S.	1-1			Diaz, E.	3-2		2B-59	Hrbek, K.	5-2			Balboni, S.	0-0		3B-39
Fisher, C.	0-1			Pecora, B.	8-5			Gentner, J.	18-3		3B-39	Larkin, G.	5-3			Blowers, M.	1-0		
Fryman, T.	3-3		3B-41	Perry, G.	17-4			Molitor, P.	18-3		3B-65	Liriano, N.	9-7			Expinora, A.	1-2		
Phillips, T.	19-9		LF-25+	Seltzer, K.	7-5			Parker, D.	4-7		1B-30	Manrique, F.	2-0			Masa, K.	1-2		
Romero, E.	0-0			Silswail, K.	0-2			Shettler, G.	25-10			Nowman, A.	13-6			Mattngly, D.	1-0		
Tammela, A.	12-10			White, F.	1-0			Spien, B.	11-8			Sorrento, P.	1-1			Sax, S.	43-9		
Whitaker, L.	9-2			OUTFIELDERS				Sveum, D.	0-1		SS-99	OUTFIELDERS				Tolson, W.	1-0		
OUTFIELDERS				Eisenreich, J.	12-14			OUTFIELDERS				Bush, R.	0-3			Velarde, R.	0-3	2B-71	
Lemon, C.	3-2			Jackson, B.	15-9		LF-20+	Briggs, G.	6-3			Castillo, C.	0-1			OUTFIELDERS			
Lusader, S.	0-0			McRae, B.	4-3		LF-19+	Deer, R.	2-3			Gladden, D.	25-9			Azocar, O.	7-0		
Moseby, L.	17-5			Schultz, J.	0-0		3B-53	Felder, M.	20-9			Mack, S.	13-4			Barfield, J.	4-3		
Sheets, L.	1-3			Tabler, P.	0-2			Hamilton, D.	10-3			Moses, J.	2-3			Hall, M.	0-0		
Shelby, J.	3-5			Tartabull, D.	1-1			Vaughn, G.	7-4			Munoz, P.	3-0			Kelly, R.	42-17		
Ward, G.	2-0			Wilson, W.	24-6			Yount, R.	15-8			Puckett, K.	5-4			Leyritz, J.	2-3	2D	LF-17+

OAKLAND

SEATTLE

TEXAS

TORONTO

ADDITIONAL E-RATINGS

PITCHERS

Burns, T. 0 14
Eckersley, D. 0 0
Harris, R. 0 11
Honeycutt, R. 6 3
Moore, M. 0 14
Nelson, G. 0 2
Sanderson, S. 2 7
Stewart, D. 0 6
Welch, B. 3 1
Young, C. 0 5

CATCHERS

Hassey, R. 0-0 3
Quirk, J. 0-0 0
Steinbach, T. 0-1 2

INFIELDERS

Blankenship, L. 3-1
Gallago, M. 5-5
Lanford, C. 18-14
McQuinn, M. 2-1
Randolph, W. 6-1
Wass, W. 9-3

OUTFIELDERS

Baines, H. 0-3
Caneaco, J. 19-10
Henderson, D. 3-1
Henderson, R. 65-10
Howard, S. 0-0
Jennings, D. 0-3
Jose, F. 8-2
McGee, W. 3-0

PITCHERS

Comstock, K. 6 8
Hanson, E. 1 9
Holman, B. 4 9
Jackson, M. 7 20
Johnson, R. 3 3
Schooler, M. 0 3
Swan, R. 7 0
Swift, B. 10 14
Young, M. 0 16

CATCHERS

Bradley, S. 0-1 5
Valle, D. 1-2 3

INFIELDERS

Brunley, M. 2-0
Davis, A. 0-2
Giles, B. 2-1
Martinez, E. 1-4
Martinez, T. 0-0
O'Brien, P. 0-0
Reynolds, H. 31-18
Schaefer, J. 4-1
Vizquel, O. 4-1

OUTFIELDERS

Britley, G. 18-4
Buhner, J. 2-2
Cato, H. 21-3
Griffey Jr, K. 18-11
Griffey Sr, K. 0-0
Jones, T. 1-2
Leonard, J. 4-2

PITCHERS

Ainsberg, B. 0 20
Barfield, J. 9 8
Brown, K. 4 11
Hough, C. 0 3
Jeffcoat, M. 0 1
McMurry, C. 0 15
Mielke, G. 0 6
Moyer, J. 0 1
Rogers, K. 0 11
Ryan, N. 2 10
Witt, B. 2 10

CATCHERS

Peirall, G. 0-2 8
Russell, J. 1-0 8
Stanley, M. 1-0 9

INFIELDERS

Buechala, S. 1-0
Coolbaugh, S. 1-0
Franco, J. 31-10
Green, G. 1-1
Huson, J. 12-4
Kunkel, J. 2-1
Palmeo, R. 3-3

OUTFIELDERS

Daugherty, J. 0-0
Gonzalez, J. 0-1
Incaviglia, P. 3-4
Pettis, G. 38-15
Reimer, K. 0-1
Serra, R. 9-0

PITCHERS

Acker, J. 4 9
Black, B. 2 8
Blaz, W. 0 9
Candelaria, J. 0 13
Cerutti, J. 3 5
Henke, T. 0 10
Key, J. 2 0
Stelo, D. 0 6
Stottlemire, T. 1 6
Ward, D. 0 9
Wells, D. 2 8
Wills, F. 0 1

CATCHERS

Borders, P. 0-1 2
Myers, G. 0-1 4

INFIELDERS

Fernandez, T. 26-13
Gruber, K. 14-2
Lee, M. 3-1
McGriff, F. 5-3
Mullins, R. 2-1
Olerud, J. 0-2
Sojo, L. 1-1

OUTFIELDERS

Bell, G. 3-2
Felix, J. 13-8
Hill, G. 8-3
Whitler, M. 2-0
Williams, K. 9-4
Wilson, M. 23-4

PITCHERS

Blankenship, L. 4 9
Blankenship, L. 2 8
Briggs, G. 0 9
Chamberlain, W. 0 13
Coles, D. 3 5
Collins, D. 0 10
Cora, J. 2 0
Howard, S. 0 6
Howard, T. 1 6
Howard, T. 0 9
Howard, T. 2 8
Jackson, B. 0 1
James, D. 0-1 2
Leyritz, J. 0-1 4
McGee, W. 0-1 4
Naehring, T. 0-1 4
Phillips, T. 0-1 4
Puckett, K. 0-1 4
Puckett, K. 0-1 4
Redus, G. 0-1 4
Redus, G. 0-1 4
Rhodes, K. 0-1 4
Rhodes, K. 0-1 4
Schu, R. 0-1 4
Schultz, J. 0-1 4
Sojo, L. 0-1 4
Wilkerson, C. 0-1 4
Wilkerson, C. 0-1 4
Yelding, E. 0-1 4

For most realistic league play, when possible, allow only pitchers preceded by an asterisk to start once every four games (3 game rest between starts). All other starting pitchers should start once every 5 games (4 game rest between starts). We also suggest that all players be restricted to their actual number of at bats or innings pitched. The following seven players do not have a team name on their cards. You must write in the team name. Below are the players mentioned, teams played for and number of games played. A dot (.) after one of the team names denotes where the player is listed on the roster sheet. If there is no dot, player can be found in the mixed player group. Players designated as "additional players" have a small "a" listed to the left of their name.

- Bud Black - Cleveland -29 - Toronto -3
Dennis Cook - Philadelphia -42 - Los Angeles -5
Rick Luecken - Atlanta -38 - Toronto -1
Barry Lyons - New York -24 - Los Angeles -3
Julio Machado - New York (NL) -27 - Milwaukee -10
Don Schatzeder - Houston -45 - New York (NL) -6
Jay Tibbs - Baltimore -10 - Pittsburgh -6

Table with 4 columns: E Rating, AP, E1, E2. Row 1: 3, 5, 17, 1

NOTE: For Cal Ripken of Baltimore, refer to the chart to the right for his Super Advanced E Rating. E-RAT denotes Super Advanced Error Rating if applicable. . means an additional Super Advanced Error Rating is found after Toronto.

1990 SEASON SUPER-ADVANCED WEATHER EFFECTS

NATIONAL LEAGUE

TEAM	JUN/JUL/AUG		APR/MAY/SEP/OCT		WEATHER	SINGLE		HOMERUN	
	DAY	NIGHT	DAY	NIGHT		LFT / RT	LFT / RT		
Chicago (NL)	1-11 12-17 18-20	1-6 7-17 18-20	1-6 7-12 13-20	1-2 3-9 10-20	GOOD AVG BAD	18/18 15/15 14/14	20/20 12/12 10/10		
Montreal	1-9 10-16 17-20	1-5 6-16 17-20	---	---	GOOD AVG BAD	10/10 9/9 8/8	8/8 7/7 5/5		
New York (NL)	1-12 13-17 18-20	1-7 8-17 18-20	1-8 9-15 16-20	1-4 5-13 14-20	GOOD AVG BAD	2/2 1/1 0/0	9/9 7/7 3/3		
Philadelphia	1-11 12-16 17-20	1-7 8-16 17-20	1-7 8-14 15-20	1-3 4-13 14-20	GOOD AVG BAD	8/8 5/5 5/5	13/13 9/9 8/8		
Pittsburgh	1-12 13-17 18-20	1-7 8-17 18-20	1-6 7-13 14-20	1-2 3-11 12-20	GOOD AVG BAD	6/6 3/3 2/2	10/10 8/8 5/5		
St. Louis	1-12 13-17 18-20	1-7 8-17 18-20	1-8 9-15 16-20	1-5 6-15 16-20	GOOD AVG BAD	12/12 9/9 7/7	6/6 3/3 2/2		
Atlanta	1-10 11-16 17-20	1-7 8-16 17-20	1-11 12-17 18-20	1-6 7-17 18-20	GOOD AVG BAD	13/13 12/12 10/10	11/11 10/10 8/8		
Cincinnati	1-12 13-17 18-20	1-7 8-17 18-20	1-8 9-15 16-20	1-5 6-15 16-20	GOOD AVG BAD	10/10 7/7 6/6	18/18 15/15 14/14		
Houston	1-20 N/A N/A	1-20 N/A N/A	1-20 N/A N/A	1-20 N/A N/A	GOOD AVG BAD	9/9 N/A N/A	2/2 N/A N/A		
Los Angeles	1-15 16-19 20	1-9 10-19 20	1-12 13-19 20	1-7 8-19 20	GOOD AVG BAD	11/11 9/9 9/9	6/6 6/6 5/5		
San Diego	1-12 13-19 20	1-7 8-19 20	1-10 11-19 20	1-6 7-19 20	GOOD AVG BAD	3/3 3/3 2/2	16/16 14/14 14/14		
San Francisco	1-10 11-19 20	1-6 7-19 20	1-9 10-18 19-20	1-6 7-18 19-20	GOOD AVG BAD	10/10 7/7 6/6	11/11 6/6 5/5		

This chart may be used in place of the ball park effect chart for those who wish to play with weather effects. To use this chart, first locate the home stadium section of the chart. Then reference 1 of the 4 sections based on the month the game is played and whether this is a day game or a night game. Pick a split card and reading down the range that the split card falls in. At this point look across the chart to the weather section which will indicate the weather conditions (good, average or bad). To the right of the weather conditions are ballpark effects numbers for this type of weather.

For instance, a night game is to be played at Chicago (NL) during April. Say you picked split # 12. Reading down the chart (in the APR/MAY/SEP/OCT section) the range this split falls into is 10-20. Now read across to the WEATHER section which indicates that the weather conditions are BAD for that game; the ballpark singles range would be 1-4 and the ballpark homerun range would be 1-10 (for both left and right handed batters).

1990 SEASON NATIONAL LEAGUE — BALL PARK EFFECT

BALL PARK SINGLES

BALL PARK HOMERUNS

Chicago (NL)	L Single* 1-16 R Single* 1-16	Lineout (2b) 17-20 Lineout (ss) 17-20	L Homerun 1-15 R Homerun 1-15	Flyball (r) B 16-20 Flyball (f) B 16-20
Montreal	L Single* 1-9 R Single* 1-9	Lineout (2b) 10-20 Lineout (ss) 10-20	L Homerun 1-7 R Homerun 1-7	Flyball (r) B 9-20 Flyball (f) B 9-20
New York (NL)	L Single* 1 R Single* 1	Lineout (2b) 2-20 Lineout (ss) 2-20	L Homerun 1-7 R Homerun 1-7	Flyball (r) B 9-20 Flyball (f) B 9-20
Philadelphia	L Single* 1-6 R Single* 1-6	Lineout (2b) 7-20 Lineout (ss) 7-20	L Homerun 1-10 R Homerun 1-10	Flyball (r) B 11-20 Flyball (f) B 11-20
Pittsburgh	L Single* 1-4 R Single* 1-4	Lineout (2b) 5-20 Lineout (ss) 5-20	L Homerun 1-8 R Homerun 1-8	Flyball (r) B 9-20 Flyball (f) B 9-20
St. Louis	L Single* 1-10 R Single* 1-10	Lineout (2b) 11-20 Lineout (ss) 11-20	L Homerun 1-4 R Homerun 1-4	Flyball (r) B 5-20 Flyball (f) B 5-20
Atlanta	L Single* 1-12 R Single* 1-12	Lineout (2b) 13-20 Lineout (ss) 13-20	L Homerun 1-10 R Homerun 1-10	Flyball (r) B 11-20 Flyball (f) B 11-20
Cincinnati	L Single* 1-8 R Single* 1-8	Lineout (2b) 9-20 Lineout (ss) 9-20	L Homerun 1-16 R Homerun 1-16	Flyball (r) B 17-20 Flyball (f) B 17-20
Houston	L Single* 1-9 R Single* 1-9	Lineout (2b) 10-20 Lineout (ss) 10-20	L Homerun 1-2 R Homerun 1-2	Flyball (r) B 3-20 Flyball (f) B 3-20
Los Angeles	L Single* 1-10 R Single* 1-10	Lineout (2b) 11-20 Lineout (ss) 11-20	L Homerun 1-6 R Homerun 1-6	Flyball (r) B 7-20 Flyball (f) B 7-20
San Diego	L Single* 1-3 R Single* 1-3	Lineout (2b) 4-20 Lineout (ss) 4-20	L Homerun 1-15 R Homerun 1-15	Flyball (r) B 16-20 Flyball (f) B 16-20
San Francisco	L Single* 1-8 R Single* 1-8	Lineout (2b) 9-20 Lineout (ss) 9-20	L Homerun 1-8 R Homerun 1-8	Flyball (r) B 9-20 Flyball (f) B 9-20

SUPER ADVANCED VERSION

In order to play the Super Advanced Version ALL symbols to the left of the numbers must be used. If you prefer to play the Advanced Version only, read the cards in the usual manner ignoring all symbols to the left of the numbers and all second readings.

CLUTCH HITTING — Occurs only in two-out situations in which one or more runners are in scoring position (occupying second or third base). When such a situation exists, and a reading is rolled that has a horseshoe symbol to the left of it, the results of the reading are reversed in the following manner: If the reading results in any type of an out, automatically reverse it to a SINGLE*, if the reading results in a single, automatically reverse it to a popup.

BALL PARK EFFECT - SINGLES — Ignore all readings that have a ▼ to the left of it. Instead, read the results found underneath the ▼ symbol of the ball park effects card. To obtain results, refer to the appropriate home stadium and the batting stance (L-lefty or R-righty) of the hitter. Most likely, you will select a split card to determine the final outcome. (over)

1990 SEASON SUPER-ADVANCED WEATHER EFFECTS

AMERICAN LEAGUE

TEAM	JUN/JUL/AUG		APR/MAY/SEP/OCT		WEATHER	SINGLE		HOMERUN	
	DAY	NIGHT	DAY	NIGHT		LFT / RT	LFT / RT		
Baltimore	1-11 12-17 18-20	1-7 8-17 18-20	1-10 11-16 17-20	1-6 7-16 17-20	GOOD AVG BAD	5/5 4/4 2/2	10/10 9/9 7/7		
Boston	1-10 11-18 17-20	1-6 7-16 17-20	1-6 7-13 14-20	1-2 3-11 12-20	GOOD AVG BAD	19/16 18/15 17/14	10/14 8/12 6/10		
Cleveland	1-10 11-17 18-20	1-6 7-17 18-20	1-6 7-13 14-20	1-3 4-11 12-20	GOOD AVG BAD	12/12 10/10 7/7	7/10 3/6 2/5		
Detroit	1-12 13-17 18-20	1-7 8-17 18-20	1-6 7-13 14-20	1-2 3-12 13-20	GOOD AVG BAD	3/2 2/1 1/0	17/14 16/13 14/11		
Milwaukee	1-11 12-17 18-20	1-6 7-17 18-20	1-7 8-15 16-20	1-3 4-14 15-20	GOOD AVG BAD	6/6 5/5 3/3	11/11 9/9 6/6		
New York (AL)	1-12 13-17 18-20	1-7 8-17 18-20	1-8 9-15 16-20	1-4 5-14 15-20	GOOD AVG BAD	9/9 8/8 6/6	11/11 10/10 8/8		
Toronto	1-11 12-17 18-20	1-7 8-17 18-20	1-20 — —	1-20 — —	GOOD AVG BAD	9/9 8/8 6/6	17/17 16/16 14/14		
California	1-15 16-19 20	1-9 10-19 20	1-12 13-19 20	1-7 8-19 20	GOOD AVG BAD	6/6 4/4 4/4	15/15 13/13 12/12		
Chicago (AL)	1-12 13-17 18-20	1-7 8-17 18-20	1-7 8-13 14-20	1-2 3-11 12-20	GOOD AVG BAD	9/9 7/7 4/4	5/5 3/3 0/0		
Kansas City	1-13 14-18 19-20	1-8 9-18 19-20	1-6 7-14 15-20	1-3 4-12 13-20	GOOD AVG BAD	16/16 13/13 12/12	4/4 1/1 0/0		
Minnesota	1-20 N/A N/A	1-20 N/A N/A	1-20 N/A N/A	1-20 N/A N/A	GOOD AVG BAD	12/9 N/A N/A	11/11 N/A N/A		
Oakland	1-11 12-19 20	1-7 8-19 20	1-9 10-17 18-20	1-4 5-16 17-20	GOOD AVG BAD	7/7 5/5 5/5	7/7 4/4 3/3		
Seattle	1-20 N/A N/A	1-20 N/A N/A	1-20 N/A N/A	1-20 N/A N/A	GOOD AVG BAD	7/7 N/A N/A	7/7 N/A N/A		
Texas	1-6 7-18 19-20	1-7 8-18 19-20	1-8 9-17 18-20	1-8 7-17 18-20	GOOD AVG BAD	11/11 10/10 7/7	15/15 14/14 11/11		

The procedure to determine the weather is done only once - before the start of the game.
Note that a range of 0 indicates an automatic out. A range of 20 indicates an automatic hit. If a ball park reference falls outside the range then assume the following types of outs:

BP Single left handed batter - Lineout (2b)
BP Single right handed batter - Lineout (ss)
BP Homerun left handed batter - Flyball (rf) B
BP Homerun right handed batter - Flyball (lf) B

1990 SEASON AMERICAN LEAGUE — BALL PARK EFFECT
BALL PARK SINGLES BALL PARK HOMERUNS

Baltimore	L Single* 1-4 Lineout (2b) 5-20 R Single* 1-4 Lineout (ss) 5-20	L Homerun 1-9 Flyball (rf) B 10-20 R Homerun 1-9 Flyball (lf) B 10-20
Boston	L Single* 1-18 Lineout (2b) 19-20 R Single* 1-15 Lineout (ss) 16-20	L Homerun 1-8 Flyball (rf) B 9-20 R Homerun 1-12 Flyball (lf) B 13-20
Cleveland	L Single* 1-10 Lineout (2b) 11-20 R Single* 1-10 Lineout (ss) 11-20	L Homerun 1-4 Flyball (rf) B 5-20 R Homerun 1-7 Flyball (lf) B 8-20
Detroit	L Single* 1-2 Lineout (2b) 3-20 R Single* 1 Lineout (ss) 2-20	L Homerun 1-16 Flyball (rf) B 17-20 R Homerun 1-13 Flyball (lf) B 14-20
Milwaukee	L Single* 1-5 Lineout (2b) 6-20 R Single* 1-5 Lineout (ss) 6-20	L Homerun 1-9 Flyball (rf) B 10-20 R Homerun 1-9 Flyball (lf) B 10-20
New York (AL)	L Single* 1-8 Lineout (2b) 9-20 R Single* 1-8 Lineout (ss) 9-20	L Homerun 1-10 Flyball (rf) B 11-20 R Homerun 1-10 Flyball (lf) B 11-20
Toronto	L Single* 1-8 Lineout (2b) 9-20 R Single* 1-8 Lineout (ss) 9-20	L Homerun 1-16 Flyball (rf) B 17-20 R Homerun 1-16 Flyball (lf) B 17-20
California	L Single* 1-5 Lineout (2b) 6-20 R Single* 1-5 Lineout (ss) 6-20	L Homerun 1-14 Flyball (rf) B 15-20 R Homerun 1-14 Flyball (lf) B 15-20
Chicago (AL)	L Single* 1-7 Lineout (2b) 8-20 R Single* 1-7 Lineout (ss) 8-20	L Homerun 1-3 Flyball (rf) B 4-20 R Homerun 1-3 Flyball (lf) B 4-20
Kansas City	L Single* 1-14 Lineout (2b) 15-20 R Single* 1-14 Lineout (ss) 15-20	L Homerun 1-2 Flyball (rf) B 3-20 R Homerun 1-2 Flyball (lf) B 3-20
Minnesota	L Single* 1-12 Lineout (2b) 13-20 R Single* 1-9 Lineout (ss) 10-20	L Homerun 1-11 Flyball (rf) B 12-20 R Homerun 1-11 Flyball (lf) B 12-20
Oakland	L Single* 1-6 Lineout (2b) 7-20 R Single* 1-6 Lineout (ss) 7-20	L Homerun 1-5 Flyball (rf) B 6-20 R Homerun 1-5 Flyball (lf) B 6-20
Seattle	L Single* 1-7 Lineout (2b) 8-20 R Single* 1-7 Lineout (ss) 8-20	L Homerun 1-7 Flyball (rf) B 8-20 R Homerun 1-7 Flyball (lf) B 8-20
Texas	L Single* 1-10 Lineout (2b) 11-20 R Single* 1-10 Lineout (ss) 11-20	L Homerun 1-14 Flyball (rf) B 15-20 R Homerun 1-14 Flyball (lf) B 15-20

SUPER ADVANCED VERSION

◆ BALL PARK EFFECT - HOMERUNS — Ignore all readings that have a ◆ to the left of it. Instead, read the results found underneath the ◆ symbol of the ball park effects card. To obtain results, refer to the appropriate home stadium and the batting stance (L=lefty or R=righty) of the hitter. As in the advanced version, players with weak power (W) may not hit homeruns. In this situation, change all homerun results to single**.

▲-Refer to the second reading (in italics) under the number. Ignore the initial reading.

Ball park results (American and National Leagues) are based on a three year study. However, results for teams with revised ball park dimensions and extreme weather conditions are only based on present data.