

Pitchers in **GREEN** 2014-15-16 growers, **RED** are Stats highlighted in **Green** are top-15% In **Red** are bottom-15%

SP	TmlD	TBF			GOOD%TBF			BAD%TBF			GD%-BAD% (PRO%)			GRO%
		2014	2015	2016	2014	2015	2016g	2014	2015	2016	2014	2015	2016	
Phelps,David	MIA	482	497	352	58%	60%	68%	43%	41%	32%	+15%	+19%	+36%	+21%
Greene,Shane	DET	373	345	256	58%	64%	65%	43%	36%	36%	+15%	+28%	+29%	+14%
Porcello,Rick	BOS	737	840	890	61%	65%	68%	39%	36%	35%	+22%	+29%	+33%	+11%
Sabathia,CC	NYN	726	209	768	62%	66%	67%	39%	35%	35%	+23%	+31%	+32%	+9%
Friedrich,Christian	SD	270	110	567	57%	59%	63%	42%	40%	39%	+15%	+19%	+24%	+9%
Nicasio,Juan	PIT	260	409	513	62%	63%	67%	37%	38%	34%	+25%	+25%	+33%	+8%
Gonzalez,Miguel	CHW	622	671	566	62%	64%	64%	40%	39%	37%	+22%	+25%	+27%	+5%
Hendricks,Kyle	CHC	739	321	745	65%	67%	68%	35%	34%	33%	+30%	+33%	+35%	+5%
Zimmermann,Jordan	DET	831	800	450	65%	66%	67%	37%	35%	36%	+28%	+31%	+31%	+3%
Paxton,James	SEA	297	303	511	63%	62%	65%	38%	37%	37%	+25%	+25%	+28%	+3%
Santana,Ervin	MIN	457	817	748	63%	63%	64%	40%	37%	38%	+23%	+26%	+26%	+3%
Collmenter,Josh	ATL	499	719	173	61%	61%	60%	42%	40%	39%	+19%	+21%	+21%	+2%
Cain,Matt	SF	271	374	397	55%	64%	61%	47%	37%	41%	+8%	+27%	+20%	+12%
Hellickson,Jeremy	TEX	636	281	772	59%	59%	64%	40%	42%	37%	+19%	+17%	+27%	+8%
Teheran,Julio	ATL	843	884	758	60%	65%	64%	41%	36%	37%	+19%	+29%	+27%	+8%
Gee,Dillon	KC	183	570	551	58%	63%	62%	42%	37%	39%	+16%	+26%	+23%	+7%
Norris,Bud	LA	377	687	495	57%	64%	60%	44%	38%	40%	+13%	+26%	+20%	+7%
Wood,Alex	LA	801	694	255	61%	66%	64%	38%	34%	35%	+23%	+32%	+29%	+6%
Feldman,Scott	TOR	451	765	338	62%	62%	65%	37%	39%	34%	+25%	+23%	+31%	+6%
Duffy,Danny	KC	588	606	731	61%	66%	63%	42%	38%	38%	+19%	+28%	+25%	+6%
Walker,Taijuan	SEA	706	160	573	65%	62%	67%	37%	39%	35%	+28%	+23%	+32%	+4%
Cueto,Johnny	SF	866	961	881	65%	69%	67%	36%	31%	34%	+29%	+38%	+33%	+4%
Ray,Robbie	ARI	545	136	776	58%	54%	61%	41%	48%	40%	+17%	+6%	+21%	+4%
Detwiler,Ross	OAK	288	274	220	55%	63%	59%	44%	39%	44%	+11%	+24%	+15%	+4%
Worley,Vance	BAL	310	458	365	60%	65%	62%	40%	34%	39%	+20%	+31%	+23%	+3%
Garza,Matt	MIL	666	680	461	58%	64%	60%	42%	36%	41%	+16%	+28%	+19%	+3%
Kershaw,Clayton	LA	890	749	544	72%	74%	74%	28%	27%	28%	+44%	+47%	+46%	+2%
Roark,Tanner	WAS	467	798	855	63%	68%	63%	38%	33%	36%	+25%	+35%	+27%	+2%
DeSclafani,Anthony	CIN	785	146	507	62%	54%	63%	38%	42%	37%	+24%	+12%	+26%	+2%
Martinez,Nick	TEX	558	610	179	58%	61%	59%	44%	42%	43%	+14%	+19%	+16%	+2%
Fister,Doug	HOU	449	662	779	58%	66%	60%	40%	34%	41%	+18%	+32%	+19%	+1%
Strasburg,Stephen	WAS	523	868	598	68%	64%	68%	33%	35%	32%	+35%	+29%	+36%	+1%
de la Rosa,Rubby	ARI	809	441	222	63%	58%	64%	37%	43%	37%	+26%	+15%	+27%	+1%
Happ,J.A.	TOR	717	673	796	63%	62%	64%	38%	39%	38%	+25%	+23%	+26%	+1%
Leake,Mike	STL	778	902	757	61%	62%	61%	39%	38%	38%	+22%	+24%	+23%	+1%
Latos,Mat	WAS	494	420	309	59%	61%	60%	41%	41%	41%	+18%	+20%	+19%	+1%
Chacin,Jhoulys	LAA	111	272	632	58%	54%	59%	41%	46%	41%	+17%	+8%	+18%	+1%
Smyly,Drew	TAM	275	618	738	68%	67%	69%	35%	37%	36%	+33%	+30%	+33%	0%
Lester,Jon	CHC	828	885	796	66%	71%	66%	34%	31%	34%	+32%	+40%	+32%	0%
Kelly,Joe	BOS	587	415	188	58%	61%	58%	43%	39%	43%	+15%	+22%	+15%	0%
Peralta,Wily	MIL	478	838	554	57%	63%	57%	42%	37%	42%	+15%	+26%	+15%	0%
Kennedy,Ian	KC	713	846	818	61%	61%	62%	39%	38%	41%	+22%	+23%	+21%	-1%
Volquez,Edinson	KC	850	809	853	60%	62%	60%	40%	37%	41%	+20%	+25%	+19%	-1%
Koehler,Tom	MIA	800	803	774	60%	60%	60%	40%	40%	41%	+20%	+20%	+19%	-1%
Kluber,Corey	CLE	886	951	860	68%	70%	67%	33%	31%	33%	+35%	+39%	+34%	-1%
Archer,Chris	TAM	868	822	850	66%	64%	65%	35%	38%	35%	+31%	+26%	+30%	-1%
Sanchez,Aaron	TOR	380	121	790	64%	74%	64%	36%	26%	37%	+28%	+48%	+27%	-1%
Hutchison,Drew	PIT	664	786	104	63%	65%	63%	39%	36%	40%	+24%	+29%	+23%	-1%
Hammel,Jason	CHC	710	715	692	61%	64%	61%	38%	38%	39%	+23%	+26%	+22%	-1%
Bettis,Chad	COL	502	127	814	60%	50%	59%	39%	46%	39%	+21%	+4%	+20%	-1%
Holland,Derek	TEX	245	145	461	58%	67%	59%	42%	32%	44%	+16%	+35%	+15%	-1%
Bumgarner,Madison	SF	869	873	912	69%	69%	68%	33%	32%	34%	+36%	+37%	+34%	-2%
Pomeranz,Drew	BOS	357	278	703	69%	66%	67%	34%	37%	34%	+35%	+29%	+33%	-2%
Verlander,Justin	DET	535	893	903	71%	65%	69%	33%	37%	33%	+38%	+28%	+36%	-2%
Fernandez,Jose	MIA	265	205	737	66%	72%	64%	35%	30%	35%	+31%	+42%	+29%	-2%
Kazmir,Scott	LA	763	777	590	65%	67%	65%	35%	34%	37%	+30%	+33%	+28%	-2%
Quintana,Jose	CHW	862	830	837	65%	64%	65%	36%	37%	38%	+29%	+27%	+27%	-2%
Ventura,Yordano	KC	693	782	816	63%	64%	62%	38%	36%	39%	+25%	+28%	+23%	-2%
Salazar,Danny	CLE	757	474	584	66%	64%	65%	35%	38%	37%	+31%	+26%	+28%	-3%
Eovaldi,Nathan	NYN	673	854	525	63%	60%	62%	38%	40%	40%	+25%	+20%	+22%	-3%
Gallardo,Yovani	BAL	793	817	526	62%	62%	60%	39%	38%	40%	+23%	+24%	+20%	-3%
Locke,Jeff	PIT	736	548	564	61%	63%	59%	38%	36%	39%	+23%	+27%	+20%	-3%
Vogelsong,Ryan	PIT	598	780	366	60%	60%	58%	40%	40%	42%	+20%	+20%	+16%	-4%
Odorizzi,Jake	TAM	700	719	773	66%	64%	64%	36%	38%	38%	+30%	+26%	+26%	-4%
Samardzija,Jeff	SF	910	879	829	65%	69%	62%	37%	32%	38%	+28%	+37%	+24%	-4%
Jimenez,Ubaldo	BAL	791	553	638	64%	60%	62%	37%	41%	39%	+27%	+19%	+23%	-4%
Gonzalez,Gio	WAS	758	653	765	63%	66%	61%	37%	33%	39%	+26%	+33%	+22%	-4%

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SP	TmlD	TBF			GOOD%TBF			BAD%TBF			GD%-BAD% (PRO%)			GRO%
		2014	2015	2016	2014	2015	2016g	2014	2015	2016	2014	2015	2016	
Wacha,Michael	STL	762	447	606	63%	60%	60%	38%	39%	39%	+25%	+21%	+21%	-4%
Lewis,Colby	TEX	861	762	472	61%	58%	59%	41%	44%	43%	+20%	+14%	+16%	-4%
Gausman,Kevin	BAL	470	476	757	68%	64%	66%	34%	38%	37%	+34%	+26%	+29%	-5%
Niese,Jon	NYM	770	786	546	59%	60%	58%	38%	39%	42%	+21%	+21%	+16%	-5%
Scherzer,Max	WAS	899	904	902	72%	66%	70%	29%	34%	32%	+43%	+32%	+38%	-5%
Estrada,Marco	TOR	725	624	723	69%	65%	67%	34%	39%	38%	+35%	+26%	+29%	-6%
Stroman,Marcus	TOR	103	534	855	67%	69%	64%	33%	32%	36%	+34%	+37%	+28%	-6%
Pineda,Michael	NYM	668	290	756	67%	73%	64%	34%	30%	37%	+33%	+43%	+27%	-6%
de la Rosa,Jorge	COL	635	768	614	59%	62%	57%	40%	37%	44%	+19%	+25%	+13%	-6%
Sanchez,Anibal	DET	660	514	668	66%	68%	64%	36%	32%	40%	+30%	+36%	+24%	-6%
Simon,Alfredo	CIN	820	818	298	59%	60%	55%	42%	40%	45%	+17%	+20%	+10%	-7%
Price,David	BOS	888	1009	951	67%	68%	64%	34%	32%	38%	+33%	+36%	+26%	-7%
Gibson,Kyle	MIN	821	757	653	63%	64%	60%	37%	37%	41%	+26%	+27%	+19%	-7%
Wainwright,Adam	STL	111	898	847	62%	63%	60%	35%	36%	40%	+27%	+27%	+20%	-7%
Lyles,Jordan	COL	212	546	273	59%	60%	54%	42%	40%	45%	+17%	+20%	+9%	-8%
Garcia,Jaime	STL	510	177	741	67%	60%	63%	33%	40%	37%	+34%	+20%	+26%	-8%
Cole,Gerrit	PIT	832	571	506	64%	65%	60%	36%	35%	40%	+28%	+30%	+20%	-8%
Cosart,Jarred	SD	296	766	268	61%	63%	56%	38%	38%	42%	+23%	+25%	+14%	-9%
Cashner,Andrew	MIA	804	506	588	61%	63%	56%	39%	36%	43%	+22%	+27%	+13%	-9%
Fiers,Mike	HOU	761	274	724	64%	69%	60%	38%	34%	43%	+26%	+35%	+17%	-9%
Jackson,Edwin	SD	228	633	373	61%	56%	57%	39%	44%	44%	+22%	+12%	+13%	-9%
Hughes,Phil	MIN	651	855	259	61%	68%	56%	41%	34%	46%	+20%	+34%	+10%	-10%
Carrasco,Carlos	CLE	730	529	599	68%	69%	63%	32%	31%	38%	+36%	+38%	+25%	-11%
Iwakuma,Hisashi	SEA	516	709	836	67%	70%	62%	34%	32%	40%	+33%	+38%	+22%	-11%
Weaver,Jered	LAA	669	888	767	65%	66%	61%	37%	36%	44%	+28%	+30%	+17%	-11%
Shields,James	CHW	860	939	822	63%	67%	57%	38%	35%	43%	+25%	+32%	+14%	-11%
Pelfrey,Mike	DET	714	119	541	62%	56%	57%	38%	45%	44%	+24%	+11%	+13%	-11%
Liriano,Francisco	TOR	773	691	731	65%	66%	59%	35%	34%	40%	+30%	+32%	+19%	-11%
Buchholz,Clay	BOS	469	737	588	69%	62%	64%	32%	40%	40%	+37%	+22%	+24%	-13%
Ramos,Cesar	TEX	221	360	212	62%	63%	56%	39%	37%	46%	+23%	+26%	+10%	-13%
Lincecum,Tim	LAA	333	673	200	57%	60%	50%	43%	40%	50%	+14%	+20%	0%	-14%
Hernandez,Felix	SEA	826	912	655	67%	71%	60%	33%	29%	40%	+34%	+42%	+20%	-14%
Richards,Garrett	LAA	865	678	148	68%	70%	58%	32%	32%	42%	+36%	+38%	+16%	-20%
<b>Bolsinger,Mike</b>	LA	466	238	122	62%	62%	52%	36%	37%	48%	+26%	+25%	+4%	-22%
<b>Miller,Shelby</b>	ARI	860	764	460	65%	57%	55%	35%	44%	46%	+30%	+13%	+9%	-21%
<b>Hahn,Jesse</b>	OAK	406	306	203	64%	61%	55%	36%	39%	46%	+28%	+22%	+9%	-19%
<b>Perez,Martin</b>	TEX	339	207	855	67%	62%	57%	34%	38%	42%	+33%	+24%	+15%	-18%
<b>Milone,Tommy</b>	MIN	543	519	311	65%	63%	56%	37%	40%	44%	+28%	+23%	+12%	-16%
<b>Peavy,Jake</b>	SF	448	852	520	68%	63%	60%	34%	38%	41%	+34%	+25%	+19%	-15%
<b>Gray,Sonny</b>	OAK	831	899	517	68%	66%	61%	33%	34%	40%	+35%	+32%	+21%	-14%
<b>Tomlin,Josh</b>	CLE	251	446	725	69%	64%	61%	34%	38%	40%	+35%	+26%	+21%	-14%
<b>Sale,Chris</b>	CHW	854	685	907	72%	72%	64%	30%	31%	36%	+42%	+41%	+28%	-14%
<b>Keuchel,Dallas</b>	HOU	911	808	701	72%	70%	65%	29%	30%	36%	+43%	+40%	+29%	-14%
<b>Miley,Wade</b>	BAL	831	866	711	66%	60%	59%	35%	39%	41%	+31%	+21%	+18%	-13%
<b>Johnson,Erik</b>	SD	151	109	146	60%	56%	52%	44%	48%	49%	+16%	+8%	+3%	-13%
<b>Anderson,Chase</b>	MIL	640	486	647	63%	60%	56%	38%	41%	44%	+25%	+19%	+12%	-13%
<b>deGrom,Jacob</b>	NYM	751	565	604	68%	63%	62%	32%	37%	38%	+36%	+26%	+24%	-12%
<b>Chen,Wei-Yin</b>	MIA	792	772	520	67%	65%	61%	35%	37%	40%	+32%	+28%	+21%	-11%
<b>Danks,John</b>	CHW	768	855	100	63%	61%	58%	39%	39%	45%	+24%	+22%	+13%	-11%
<b>Young,Chris</b>	KC	500	688	406	64%	64%	59%	39%	40%	45%	+25%	+24%	+14%	-11%
<b>Bassitt,Chris</b>	OAK	361	137	133	66%	61%	59%	37%	40%	41%	+29%	+21%	+18%	-11%
<b>Greinke,Zack</b>	ARI	843	821	667	69%	68%	64%	31%	33%	37%	+38%	+35%	+27%	-11%
<b>Dickey,R.A.</b>	TOR	884	914	728	67%	66%	62%	36%	36%	41%	+31%	+30%	+21%	-10%
<b>Nelson,Jimmy</b>	MIL	752	311	807	63%	62%	58%	38%	39%	42%	+25%	+23%	+16%	-9%
<b>Arrieta,Jake</b>	CHC	870	614	795	71%	71%	67%	29%	30%	34%	+42%	+41%	+33%	-9%
<b>Hamels,Cole</b>	TEX	880	829	848	67%	64%	62%	35%	35%	38%	+32%	+29%	+24%	-8%
<b>Lackey,John</b>	CHC	896	833	748	64%	63%	60%	37%	38%	40%	+27%	+25%	+20%	-7%
<b>Santiago,Hector</b>	MIN	776	544	785	64%	63%	61%	39%	40%	43%	+25%	+23%	+18%	-7%
<b>Colon,Bartolo</b>	NYM	815	846	791	64%	62%	61%	37%	38%	40%	+27%	+24%	+21%	-6%
<b>Shoemaker,Matt</b>	LAA	569	543	668	67%	64%	64%	35%	35%	38%	+32%	+29%	+26%	-6%
<b>Tillman,Chris</b>	BAL	741	871	715	64%	63%	61%	38%	38%	40%	+26%	+25%	+21%	-5%
<b>Bauer,Trevor</b>	CLE	744	663	811	64%	62%	61%	38%	40%	40%	+26%	+22%	+21%	-5%
<b>McHugh,Collin</b>	HOU	859	619	796	67%	66%	65%	34%	35%	37%	+33%	+31%	+28%	-5%
<b>Martinez,Carlos</b>	STL	755	386	809	64%	63%	63%	35%	36%	37%	+29%	+27%	+26%	-3%
<b>Tanaka,Masahiro</b>	NYM	609	542	805	67%	65%	65%	35%	35%	36%	+32%	+30%	+29%	-3%
<b>Nolasco,Ricky</b>	LAA	173	695	817	62%	61%	60%	40%	40%	40%	+22%	+21%	+20%	-2%