Table B1 - Fine Tuning Table: S\&P 500 Equity Portfolio
Index returns reduced by a representative fund's expense ratio, except S\&P 500 Index shown below.

| Year | $\begin{gathered} \hline 100 \% \\ \text { Bonds } \end{gathered}$ | 10/90 | 20/80 | 30/70 | 40/60 | 50/50 | 60/40 | 70/30 | 80/20 | 90/10 | $\begin{aligned} & \hline 100 \% \\ & \text { Equity } \end{aligned}$ | $\begin{array}{\|c\|} \hline \text { S\&P } 500 \\ \text { Index } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1970 | 15.4\% | 14.4\% | 13.3\% | 12.2\% | 11.1\% | 10.0\% | 8.8\% | 7.6\% | 6.4\% | 5.2\% | 4.0\% | 4.0\% |
| 1971 | 8.3\% | 9.0\% | 9.7\% | 10.3\% | 10.9\% | 11.5\% | 12.1\% | 12.7\% | 13.2\% | 13.8\% | 14.3\% | 14.3\% |
| 1972 | 5.6\% | 6.9\% | 8.2\% | 9.5\% | 10.8\% | 12.1\% | 13.5\% | 14.8\% | 16.2\% | 17.6\% | 18.9\% | 19.0\% |
| 1973 | 6.0\% | 3.8\% | 1.7\% | -0.4\% | -2.5\% | -4.6\% | -6.7\% | -8.7\% | -10.7\% | -12.7\% | -14.7\% | -14.7\% |
| 1974 | 7.0\% | 3.4\% | -0.2\% | -3.7\% | -7.2\% | -10.6\% | -13.9\% | -17.1\% | -20.3\% | -23.4\% | -26.5\% | -26.5\% |
| 1975 | 9.5\% | 12.1\% | 14.8\% | 17.5\% | 20.3\% | 23.0\% | 25.8\% | 28.6\% | 31.4\% | 34.3\% | 37.2\% | 37.2\% |
| 1976 | 12.2\% | 13.4\% | 14.6\% | 15.8\% | 16.9\% | 18.1\% | 19.3\% | 20.4\% | 21.6\% | 22.7\% | 23.8\% | 23.8\% |
| 1977 | 2.9\% | 1.9\% | 0.9\% | -0.2\% | -1.2\% | -2.2\% | -3.2\% | -4.2\% | -5.2\% | -6.2\% | -7.2\% | -7.2\% |
| 1978 | 4.9\% | 5.1\% | 5.4\% | 5.6\% | 5.8\% | 6.0\% | 6.2\% | 6.3\% | 6.4\% | 6.5\% | 6.5\% | 6.6\% |
| 1979 | 7.0\% | 8.2\% | 9.3\% | 10.4\% | 11.6\% | 12.7\% | 13.9\% | 15.0\% | 16.1\% | 17.3\% | 18.4\% | 18.4\% |
| 1980 | 7.2\% | 9.8\% | 12.3\% | 14.8\% | 17.3\% | 19.9\% | 22.4\% | 24.9\% | 27.4\% | 29.9\% | 32.4\% | 32.4\% |
| 1981 | 10.8\% | 9.2\% | 7.5\% | 5.9\% | 4.3\% | 2.8\% | 1.2\% | -0.4\% | -1.9\% | -3.4\% | -4.9\% | -4.9\% |
| 1982 | 27.0\% | 26.6\% | 26.1\% | 25.6\% | 25.1\% | 24.5\% | 23.9\% | 23.3\% | 22.7\% | 22.1\% | 21.4\% | 21.4\% |
| 1983 | 8.7\% | 10.0\% | 11.4\% | 12.7\% | 14.1\% | 15.5\% | 16.9\% | 18.3\% | 19.7\% | 21.1\% | 22.5\% | 22.5\% |
| 1984 | 14.5\% | 13.7\% | 13.0\% | 12.2\% | 11.4\% | 10.5\% | 9.7\% | 8.8\% | 8.0\% | 7.1\% | 6.2\% | 6.3\% |
| 1985 | 19.4\% | 20.7\% | 22.0\% | 23.2\% | 24.5\% | 25.8\% | 27.1\% | 28.3\% | 29.6\% | 30.9\% | 32.1\% | 32.2\% |
| 1986 | 14.9\% | 15.4\% | 15.8\% | 16.2\% | 16.6\% | 17.0\% | 17.3\% | 17.7\% | 17.9\% | 18.2\% | 18.4\% | 18.5\% |
| 1987 | 4.5\% | 5.0\% | 5.5\% | 5.8\% | 6.1\% | 6.2\% | 6.2\% | 6.2\% | 6.0\% | 5.6\% | 5.2\% | 5.2\% |
| 1988 | 6.9\% | 7.9\% | 8.9\% | 9.8\% | 10.8\% | 11.8\% | 12.8\% | 13.8\% | 14.8\% | 15.8\% | 16.8\% | 16.8\% |
| 1989 | 13.3\% | 15.1\% | 16.9\% | 18.7\% | 20.5\% | 22.3\% | 24.1\% | 25.9\% | 27.8\% | 29.6\% | 31.5\% | 31.5\% |
| 1990 | 9.7\% | 8.4\% | 7.2\% | 5.9\% | 4.7\% | 3.4\% | 2.1\% | 0.8\% | -0.5\% | -1.8\% | -3.1\% | -3.1\% |
| 1991 | 14.9\% | 16.5\% | 18.1\% | 19.7\% | 21.2\% | 22.8\% | 24.3\% | 25.9\% | 27.4\% | 28.9\% | 30.4\% | 30.5\% |
| 1992 | 7.0\% | 7.1\% | 7.2\% | 7.3\% | 7.3\% | 7.4\% | 7.4\% | 7.5\% | 7.5\% | 7.6\% | 7.6\% | 7.6\% |
| 1993 | 10.0\% | 10.1\% | 10.1\% | 10.1\% | 10.1\% | 10.1\% | 10.1\% | 10.1\% | 10.1\% | 10.1\% | 10.0\% | 10.1\% |
| 1994 | -3.4\% | -2.9\% | -2.4\% | -2.0\% | -1.5\% | -1.0\% | -0.5\% | -0.1\% | 0.4\% | 0.8\% | 1.3\% | 1.3\% |
| 1995 | 15.5\% | 17.6\% | 19.7\% | 21.8\% | 23.9\% | 26.1\% | 28.3\% | 30.6\% | 32.9\% | 35.2\% | 37.5\% | 37.6\% |
| 1996 | 3.4\% | 5.2\% | 7.1\% | 9.0\% | 10.9\% | 12.9\% | 14.8\% | 16.8\% | 18.8\% | 20.9\% | 22.9\% | 23.0\% |
| 1997 | 6.7\% | 9.2\% | 11.8\% | 14.4\% | 17.0\% | 19.6\% | 22.3\% | 25.0\% | 27.8\% | 30.5\% | 33.3\% | 33.4\% |
| 1998 | 8.0\% | 10.1\% | 12.3\% | 14.4\% | 16.5\% | 18.6\% | 20.6\% | 22.7\% | 24.7\% | 26.6\% | 28.5\% | 28.6\% |
| 1999 | 0.5\% | 2.4\% | 4.4\% | 6.4\% | 8.5\% | 10.5\% | 12.6\% | 14.6\% | 16.7\% | 18.9\% | 21.0\% | 21.0\% |
| 2000 | 11.3\% | 9.2\% | 7.1\% | 5.0\% | 3.0\% | 0.9\% | -1.1\% | -3.2\% | -5.2\% | -7.2\% | -9.1\% | -9.1\% |
| 2001 | 7.9\% | 5.9\% | 4.0\% | 2.0\% | 0.1\% | -1.9\% | -3.9\% | -5.9\% | -7.9\% | -9.9\% | -11.9\% | -11.9\% |
| 2002 | 11.4\% | 7.8\% | 4.3\% | 0.8\% | -2.7\% | -6.1\% | -9.4\% | -12.7\% | -15.9\% | -19.0\% | -22.1\% | -22.1\% |
| 2003 | 3.4\% | 5.8\% | 8.2\% | 10.7\% | 13.1\% | 15.6\% | 18.2\% | 20.7\% | 23.3\% | 26.0\% | 28.7\% | 28.7\% |
| 2004 | 3.1\% | 3.8\% | 4.6\% | 5.4\% | 6.2\% | 7.0\% | 7.7\% | 8.5\% | 9.3\% | 10.1\% | 10.8\% | 10.9\% |
| 2005 | 1.7\% | 2.1\% | 2.4\% | 2.8\% | 3.1\% | 3.4\% | 3.7\% | 4.0\% | 4.3\% | 4.6\% | 4.9\% | 4.9\% |
| 2006 | 2.8\% | 4.1\% | 5.3\% | 6.6\% | 7.9\% | 9.2\% | 10.5\% | 11.8\% | 13.1\% | 14.4\% | 15.8\% | 15.8\% |
| 2007 | 9.6\% | 9.2\% | 8.9\% | 8.5\% | 8.1\% | 7.7\% | 7.3\% | 6.8\% | 6.4\% | 5.9\% | 5.5\% | 5.5\% |
| 2008 | 8.3\% | 2.9\% | -2.3\% | -7.3\% | -12.1\% | -16.7\% | -21.1\% | -25.3\% | -29.4\% | -33.3\% | -37.0\% | -37.0\% |
| 2009 | 1.1\% | 3.6\% | 6.1\% | 8.7\% | 11.2\% | 13.7\% | 16.3\% | 18.8\% | 21.3\% | 23.9\% | 26.4\% | 26.5\% |
| 2010 | 5.6\% | 6.7\% | 7.8\% | 8.8\% | 9.8\% | 10.8\% | 11.7\% | 12.6\% | 13.4\% | 14.3\% | 15.0\% | 15.1\% |
| 2011 | 7.7\% | 7.2\% | 6.8\% | 6.2\% | 5.7\% | 5.2\% | 4.6\% | 4.0\% | 3.4\% | 2.7\% | 2.1\% | 2.1\% |
| 2012 | 2.4\% | 3.8\% | 5.1\% | 6.5\% | 7.8\% | 9.2\% | 10.5\% | 11.9\% | 13.2\% | 14.6\% | 16.0\% | 16.0\% |
| 2013 | -3.6\% | -0.5\% | 2.8\% | 6.2\% | 9.6\% | 13.1\% | 16.8\% | 20.5\% | 24.3\% | 28.3\% | 32.3\% | 32.4\% |
| 2014 | 2.3\% | 3.5\% | 4.6\% | 5.7\% | 6.8\% | 7.9\% | 9.1\% | 10.2\% | 11.4\% | 12.5\% | 13.7\% | 13.7\% |
| 2015 | 0.8\% | 1.0\% | 1.1\% | 1.2\% | 1.3\% | 1.3\% | 1.4\% | 1.4\% | 1.4\% | 1.4\% | 1.4\% | 1.4\% |
| 2016 | 2.1\% | 3.1\% | 4.1\% | 5.1\% | 6.1\% | 7.1\% | 8.1\% | 9.1\% | 10.0\% | 11.0\% | 11.9\% | 12.0\% |
| 2017 | 1.6\% | 3.5\% | 5.4\% | 7.3\% | 9.3\% | 11.3\% | 13.3\% | 15.4\% | 17.5\% | 19.6\% | 21.8\% | 21.8\% |
| 2018 | 0.8\% | 0.4\% | -0.1\% | -0.5\% | -1.0\% | -1.5\% | -2.1\% | -2.6\% | -3.2\% | -3.8\% | -4.4\% | -4.4\% |
| 2019 | 7.6\% | 9.9\% | 12.2\% | 14.6\% | 16.9\% | 19.3\% | 21.7\% | 24.1\% | 26.5\% | 29.0\% | 31.4\% | 31.5\% |
| 2020 | 8.3\% | 9.6\% | 10.8\% | 12.0\% | 13.1\% | 14.1\% | 15.1\% | 16.0\% | 16.9\% | 17.7\% | 18.4\% | 18.4\% |
| 2021 | 1.1\% | 3.6\% | 6.2\% | 8.8\% | 11.5\% | 14.3\% | 17.1\% | 19.9\% | 22.8\% | 25.7\% | 28.7\% | 28.7\% |
| 2022 | -9.9\% | -10.7\% | -11.4\% | -12.2\% | -13.0\% | -13.8\% | -14.6\% | -15.5\% | -16.3\% | -17.2\% | -18.1\% | -18.1\% |
| 2023 | 4.3\% | 6.3\% | 8.5\% | 10.6\% | 12.8\% | 14.9\% | 17.2\% | 19.4\% | 21.7\% | 24.0\% | 26.3\% | 26.3\% |
| Annualized Return | 6.7\% | 7.2\% | 7.7\% | 8.1\% | 8.6\% | 9.0\% | 9.4\% | 9.7\% | 10.1\% | 10.4\% | 10.7\% | 10.7\% |
| Standard Deviation | 6.1\% | 6.0\% | 6.5\% | 7.3\% | 8.4\% | 9.6\% | 11.0\% | 12.5\% | 14.0\% | 15.5\% | 17.1\% | 17.1\% |


| Worst 6 Months | $-7.6 \%$ | $-8.8 \%$ | $-10.1 \%$ | $-13.1 \%$ | $-17.8 \%$ | $-22.2 \%$ | $-26.5 \%$ | $-30.6 \%$ | $-34.5 \%$ | $-38.3 \%$ | $-41.8 \%$ |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Worst 12 Months | $-10.5 \%$ | $-10.9 \%$ | $-11.4 \%$ | $-13.8 \%$ | $-18.6 \%$ | $-23.2 \%$ | $-27.6 \%$ | $-31.8 \%$ | $-35.9 \%$ | $-39.7 \%$ | $-43.3 \%$ |
| $-43.3 \%$ |  |  |  |  |  |  |  |  |  |  |  |
| Worst 36 Mo (An'Izd) | $-3.0 \%$ | $-1.6 \%$ | $-0.3 \%$ | $-0.2 \%$ | $-2.4 \%$ | $-4.6 \%$ | $-6.7 \%$ | $-8.8 \%$ | $-11.2 \%$ | $-13.7 \%$ | $-16.1 \%$ |
| Worst 60 Mos Annualized | $0.3 \%$ | $1.6 \%$ | $2.2 \%$ | $1.2 \%$ | $0.1 \%$ | $-1.0 \%$ | $-2.1 \%$ | $-3.2 \%$ | $-4.4 \%$ | $-5.5 \%$ | $-6.7 \%$ |
| Worst Drawdown | $-6.1 \%$ | $-5.0 \%$ | $-9.1 \%$ | $-14.0 \%$ | $-19.6 \%$ | $-25.5 \%$ | $-31.3 \%$ | $-36.8 \%$ | $-41.9 \%$ | $-46.6 \%$ | $-51.0 \%$ |
| $-50.9 \%$ |  |  |  |  |  |  |  |  |  |  |  |

© 2024 The Merriman Financial Education Foundation

