

## ORC Retirement Calculator - Feature Comparison:

**Background:** The financial industry is based on making forecasts. Specifically, most retirement calculators make a single line forecasts based on an assumed “average” future growth rate of assets and an assumed “average” future inflation rates. More sophisticated programs use Monte Carlo simulations which generate thousands of forecast based on varying these assumed “averages”.

We don’t believe that such forecasts are worth the paper they are printed on. Instead, we use “aftcasting”. With aftcasting, there is no projection, no forecast, no assumptions for future growth rates and inflation. It merely shows what would have happened if we take your assets and cash flows and apply them to actual market history, starting in each year since 1900. We have close to 4000 data points (114 years of history applied to 40-year rolling outcomes) on our aftcast. They describe exactly what would have happened in history using the correct sequence of events, the correct sequence of returns, and with correct volatility of returns. We encourage you to try to make sure that your retirement plan is sufficiently robust to withstand the worst black swan events of the past. Only then, you can have some comfort in knowing that you did not make unrealistic assumptions.

**Versions:** There are three different versions for three different levels of sophistication: Simple, Single Asset and Multiple Asset. The **Simple** version allows you to enter some basic retirement information and have your results either instantly or within seconds. The **Single Asset** version has one added degree of sophistication: You can enter many different cash flow variations, as well as income from other sources. The **Multiple Asset** version is the most comprehensive, you can enter various types of assets, however, the calculations take longer, sometimes several minutes.

**Trial** editions are identical to actual versions, except the current age is fixed at age 55.

The following table show some of the different features of each version:

	Simple	Single Asset	Multi Asset
How many different assets:	1	1	15
How many different personal properties:	0	0	8
Asset types: <ul style="list-style-type: none"> <li>• Investment Portfolio</li> <li>• Bank accounts, CDs, investment accounts, variable annuities with GMWB or GMIB, fixed indexed annuities with various maturity options, deferred or immediate life annuities, deferred or immediate variable pay life annuities</li> </ul>	Yes No	Yes No	Yes Yes
Can enter both spouses’ ages	No	Yes	Yes
Smart Buttons: “When can I retire”, “Assets Required”, “How much do I need to save”, “How Much can I have”	Yes	Yes	No
Smart Buttons: “Purpose Driven SWR”	Yes	No	No
Show tables of probability of asset depletion and probability of full income	Yes	Yes	Yes

	Simple	Single Asset	Multi Asset
Performance can be calculated using which equity indices: <ul style="list-style-type: none"> <li>• US Large Cap, Canada</li> <li>• US Industrials, US Large Cap, Canada, Britain, Japan, Australia</li> </ul>	Yes No	Yes Yes	Yes Yes
Asset Mix Optimization	Yes	Yes	Yes, for each asset separately
Asset Allocation Strategies: <ul style="list-style-type: none"> <li>• Buy-and-Hold</li> <li>• Target Date, Age Based, 3 different tactical strategies</li> </ul>	Yes No	Yes Yes	Yes Yes
Available Rebalancing frequency <ul style="list-style-type: none"> <li>• Annual</li> <li>• US Presidential election cycle</li> <li>• Never after retirement</li> </ul>	Yes No No	Yes Yes Yes	Yes Yes Yes
Stress-Test in Green Zone <ul style="list-style-type: none"> <li>• Stress Test</li> <li>• Stress Envelope</li> </ul>	Yes Yes	Yes Yes	Yes No
Save scenarios for future use	No	Yes	Yes
Account types: <ul style="list-style-type: none"> <li>• Open, US Tax-sheltered, Canadian RRIF</li> <li>• Canadian LIF</li> </ul>	Yes No	Yes No	Yes Yes
Annuitization of Bank and Investment accounts	No	No	Yes
Stop-Loss Life Annuity	No	No	Yes
Stop-Loss sale of Home	No	Yes	Yes
Stop-Loss downsizing of Home	No	No	Yes
Stop-Loss sale of Property	No	No	Yes
Accumulation and Withdrawals from each Asset can be designated separately (start/stop ages, accumulation amount, indexation of accumulation amount, various withdrawal constraints and preferences),	N/A	N/A	Yes
Income from Other Sources: <ul style="list-style-type: none"> <li>• Indexed to CPI fully, partially and differentially</li> <li>• three different deflation adjustments to CPI</li> <li>• Indexed at fixed rate</li> </ul>	N/A	Yes No Yes	Yes Yes Yes
Year-by-year cash flow and asset value table (Table2)	No	No	Yes
Income Carpet	Yes	Yes	Yes
Software License Cost (Canadian orders: add 13% HST)	\$9.99	\$79.99	\$99.99