## M─RNINGSTAR® Enhancements in Morningstar Direct<sup>™</sup> Plug-in for Microsoft® Excel®

Mar 10 Release   Ver 3.8	<ul> <li>New templates:</li> <li>High/Low/Closing Prices</li> <li>Historical Active Share</li> </ul>	► Daily Yield
Dec 09 Update	<ul> <li>New template:</li> <li>Top Holdings template extracts up to 30 holdings for up to 50 portfolios</li> <li>Rescaling applied as a step in calculation for the Active Share template</li> <li>Extract bid prices in Price templates on days when NAVs are unavailable</li> <li>Added qualitative rating data points to Rating template</li> </ul>	
Nov 09 Update	<ul><li>New templates:</li><li>Active Share</li></ul>	Price + Dividend
Sep 09 Release   Ver 3.7	<ul> <li>Launch Morningstar plug-in for Microsoft<sup>®</sup> Excel<sup>®</sup> from left navigational panel under Home in Morningstar Direct</li> <li>Save selected investments to the template when you save the template</li> </ul>	
Jul 09 Update	<ul> <li>New templates:</li> <li>Bid/Offer Calendar Period Return for Funds</li> <li>Bid/Offer Trailing Period Return for Funds</li> <li>Bid/Offer Rolling Period Return for Funds</li> </ul>	<ul> <li>Transaction Exit/Entry Price for Australia Funds</li> <li>NAV + Cap Gain + Dividend for Funds</li> </ul>
Jun 09 Update	<ul> <li>New templates:</li> <li>Post-Tax NAV for Italy funds</li> </ul>	<ul> <li>Bid/Offer Price for Funds in UK, Germany, India, Hong Kong, Singapore, Mexico, Denmark</li> </ul>
Apr 09 Update	<ul> <li>Set List to user-define Aggregates from Morningstar Direct</li> <li>Manually select investments from all plug-in templates</li> <li>New templates:         <ul> <li>Returns-based Style Analysis</li> <li>Premium/Discount</li> <li>Morningstar Rating History</li> <li>7 Day Yield</li> <li>Trailing Return</li> <li>Trailing Market Return</li> </ul> </li> </ul>	<ul> <li>Trailing Gross Return</li> <li>Capital Gain</li> <li>Rolling Risk</li> <li>Rolling Relative Risk (Single Benchmark)</li> <li>Rolling Relative Risk (Multiple Benchmarks)</li> </ul>
Nov 08 Update	<ul> <li>New templates:</li> <li>Correlation Matrix</li> <li>Rolling Return</li> </ul>	<ul><li>Rolling Market Return</li><li>Rolling Gross Return</li></ul>

Oct 08 Update

## ► Introduce Morningstar plug-in for Microsoft<sup>®</sup> Excel<sup>®</sup>

- Easy-to-use templates automatically pull historical time series data into spreadsheets for tasks such as developing and backtesting custom models, or for conducting peer and trend analyses
- ▶ Gives users freedom to develop custom calculations and adjust frequency, time period, and currency in analyses
- ▶ Links with Excel's features to transpose rows and columns and create charts, print ranges, and pivot tables
- ► Templates:
  - Growth Index
  - Rating
  - Morningstar Category Daily Return Index
  - Return Index
  - Dividend

- ► Currency Exchange Rates
- ► Calendar Return
- Calendar Market Return
- ► Calendar Gross Return