

MACKENZIE DEVELOPED EX-NORTH AMERICA AGGREGATE BOND INDEX ETF (CAD-HEDGED)

Quarterly Portfolio Disclosure

As of December 31, 2022

Summary of Investment Portfolio

PORTFOLIO ALLOCATION	% OF NAV
Bonds	99.9
Bonds	97.6
Long bond futures*	2.3
Other assets (liabilities)	1.4
Cash and short-term investments	(1.3)

REGIONAL ALLOCATION	% OF NAV
Japan	21.2
France	14.3
Germany	10.1
Italy	8.8
United States	7.1
Netherlands	6.6
Spain	5.7
Other	5.2
United Kingdom	4.9
Luxembourg	4.7
Belgium	3.8
Australia	3.1
Austria	2.3
Other assets (liabilities)	1.4
Ireland	1.1
Portugal	1.0
Cash and short-term investments	(1.3)

SECTOR ALLOCATION	% OF NAV
Foreign government bonds	70.4
Corporate bonds	29.5
Other assets (liabilities)	1.4
Cash and short-term investments	(1.3)

* Notional values represent 2.3% of NAV for long bond futures.

TOP 25 POSITIONS	% OF NAV
Issuer	
Government of Japan 1.30% 06-20-2035	7.0
Government of France 0.25% 11-25-2026	6.5
Government of Italy 3.00% 08-01-2029	5.6
Government of Spain 4.80% 01-31-2024	4.9
JPMorgan Chase & Co. 1.50% 01-27-2025	2.6
European Investment Bank 1.13% 09-15-2036	2.4
Government of Japan 0.50% 09-20-2024	2.2
Government of Italy 5.00% 08-01-2034	2.1
Government of Belgium 1.45% 06-22-2037	2.0
Morgan Stanley F/R 10-25-2028	1.9
Government of France 0% 03-25-2025	1.8
Government of Japan 0.90% 09-20-2048	1.5
SAP SE 0.38% 05-18-2029 Callable 2029	1.4
Government of Japan 0.10% 09-20-2027	1.4
Council of Europe Development Bank 0.63% 01-30-2029	1.3
Government of Japan 0.10% 12-20-2026	1.2
Government of Japan 0.80% 03-20-2046	1.2
Government of Japan 0.70% 09-20-2038	1.1
Government of Japan 2.30% 05-20-2032	1.1
Government of Netherlands 0.50% 01-15-2040	1.1
Government of Ireland 0% 10-18-2031	1.1
Government of Belgium 0% 10-22-2031	1.0
BNP Paribas SA 2.88% 09-26-2023	1.0
Heathrow Funding Ltd. 6.45% 12-10-2031	1.0
Cash and short-term investments	1.0

Top long positions as a percentage of total net asset value **55.4**

Total net asset value of the ETF **\$8.4 million**

The ETF held no short positions at the end of the period.

The investments and percentages may have changed since December 31, 2022, due to the ongoing portfolio transactions of the ETF.

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