

ETN Product List

An investment in the ETNs involves significant risks and may not be suitable for all investors. For more information on risks associated with the ETNs, please see “Selected Risk Considerations” on page 4 and the risk factors included in the relevant prospectus.

iPath® Commodities ETNs (Click to access product pages)	TICKER	FEE RATE (Per annum)	MATURITY DATE
Broad Commodities			
iPath® Pure Beta Broad Commodity ETN	BCM	0.70% ¹	April 18, 2041
iPath® Bloomberg Commodity Index Total Return SM ETN	DJP	0.70% ²	June 12, 2036
iPath® S&P GSCI® Total Return Index ETN	GSP	0.70% ²	June 12, 2036
Sector Commodities			
iPath® Series B Bloomberg Livestock Subindex Total Return SM ETN	COWB	0.45% ¹	January 23, 2048
iPath® Series B Bloomberg Agriculture Subindex Total Return SM ETN	JJAB	0.45% ¹	January 23, 2048
iPath® Series B Bloomberg Energy Subindex Total Return SM ETN	JJEB	0.45% ¹	January 23, 2048
iPath® Series B Bloomberg Grains Subindex Total Return SM ETN	JJGB	0.45% ¹	January 23, 2048
iPath® Series B Bloomberg Industrial Metals Subindex Total Return SM ETN	JJMB	0.45% ¹	January 23, 2048
iPath® Series B Bloomberg Precious Metals Subindex Total Return SM ETN	JJPB	0.45% ¹	January 23, 2048
iPath® Series B Bloomberg Softs Subindex Total Return SM ETN	JJSB	0.45% ¹	January 23, 2048
Single Commodities			
iPath® Series B Bloomberg Cotton Subindex Total Return SM ETN	BALB	0.45% ¹	January 23, 2048
iPath® Series B Bloomberg Nickel Subindex Total Return SM ETN	BJJN	0.45% ¹	January 23, 2048
iPath® Series B Bloomberg Coffee Subindex Total Return SM ETN	BJO	0.45% ¹	January 23, 2048
iPath® Series B Bloomberg Natural Gas Subindex Total Return SM ETN	GAZB	0.45% ¹	March 5, 2037
iPath® Series B Bloomberg Copper Subindex Total Return SM ETN	JJCB	0.45% ¹	January 23, 2048
iPath® Series B Bloomberg Tin Subindex Total Return SM ETN	JJTB	0.45% ¹	January 23, 2048
iPath® Series B Bloomberg Aluminium Subindex Total Return SM ETN	JJUB	0.45% ¹	January 23, 2048
iPath® Series B S&P GSCI® Crude Oil Total Return Index ETN	OILB	0.45% ¹	November 20, 2036
iPath® Pure Beta Crude Oil ETN	OLEM	0.85% ¹	April 18, 2041
iPath® Series B Bloomberg Platinum Subindex Total Return SM ETN	PGMB	0.45% ¹	January 23, 2048
iPath® Series B Bloomberg Sugar Subindex Total Return SM ETN	SCGB	0.45% ¹	January 23, 2048
iPath® Bloomberg Lead Subindex Total Return SM ETN	LD	0.70% ²	June 24, 2038
iPath® Bloomberg Cocoa Subindex Total Return SM ETN	NIB	0.70% ²	June 24, 2038

¹ The investor fee on the inception date was equal to zero. On each subsequent calendar day until maturity or early redemption of the relevant series of ETNs, the investor fee per ETN for a series of ETNs will be equal to (1) the Investor Fee Rate times (2) the applicable closing indicative value on the immediately preceding calendar day times (3) the applicable daily index factor on that day (or, if such day is not an index business day, one) divided by (4) 365. The Index Factor on any given day will be equal to the closing value of the Index underlying the ETNs on that day divided by the Initial Index Level. The Initial Index Level for this series of iPath ETNs is the closing value of the Index underlying the ETNs on the Inception Date.

² The investor fee on the inception date was equal to zero. On each subsequent calendar day until maturity or early redemption of the relevant series of ETNs, the investor fee per ETN for a series of ETNs will be equal to (1) the Investor Fee Rate times (2) the principal amount of your ETNs times (3) the applicable daily index factor on that day (or, if such day is not an index business day, one) divided by (4) 365. The Index Factor on any given day will be equal to the closing value of the Index underlying the ETNs on that day divided by the Initial Index Level.

Please see the relevant product page on www.ipathetn.com and the applicable product prospectus for more information on fees and costs associated with the iPath ETNs.

	TICKER	FEE RATE (Per annum)	MATURITY DATE
iPath Equity Volatility ETNs (Click to access product pages)			
iPath® S&P 500® VIX Short-Term Futures™ ETN	VXX	0.89% ³	January 30, 2019
iPath® Series B S&P 500® VIX Short-Term Futures™ ETN	VXXB	0.89% ³	January 23, 2048
iPath® S&P 500® VIX Mid-Term Futures™ ETN	VXZ	0.89% ³	January 30, 2019
iPath® Series B S&P 500® VIX Mid-Term Futures™ ETN	VXZB	0.89% ³	January 23, 2048
iPath® S&P 500® Dynamic VIX ETN	XVZ	0.95% ³	August 18, 2021
iPath Alternative ETNs (Click to access product pages)			
iPath® S&P MLP ETN	IMLP	0.80% ⁴	December 15, 2042
iPath Fixed Income ETNs (Click to access product pages)			
	TICKER	FEE RATE (per annum) + INDEX ROLLING COST	MATURITY DATE
iPath® US Treasury 2-year Bull ETN	DTUL	0.75% ⁵ + \$0.06 ⁶	August 13, 2020
iPath® US Treasury 2-year Bear ETN	DTUS	0.75% ⁵ + \$0.06 ⁶	August 13, 2020
iPath® US Treasury 5-year Bull ETN	DFVL	0.75% ⁵ + \$0.06 ⁶	July 12, 2021
iPath® US Treasury 5-year Bear ETN	DFVS	0.75% ⁵ + \$0.06 ⁶	July 12, 2021
iPath® US Treasury 10-year Bull ETN	DTYL	0.75% ⁵ + \$0.06 ⁶	August 13, 2020
iPath® US Treasury 10-year Bear ETN	DTYS	0.75% ⁵ + \$0.06 ⁶	August 13, 2020
iPath® US Treasury Long Bond Bull ETN	DLBL	0.75% ⁵ + \$0.06 ⁶	August 13, 2020
iPath® US Treasury Long Bond Bear ETN	DLBS	0.75% ⁵ + \$0.06 ⁶	August 13, 2020
iPath® US Treasury Flattener ETN	FLAT	0.75% ⁵ + \$0.12 ⁷	August 13, 2020
iPath® US Treasury Steepener ETN	STPP	0.75% ⁵ + \$0.12 ⁷	August 13, 2020

³ The investor fee on the inception date was equal to zero. On each subsequent calendar day until maturity or early redemption of the relevant series of ETNs, the investor fee per ETN for a series of ETNs will be equal to (1) the Investor Fee Rate times (2) the applicable closing indicative value on the immediately preceding calendar day times (3) the applicable daily index factor on that day (or, if such day is not an index business day, one) divided by (4) 365. The Index Factor on any given day will be equal to the closing value of the Index underlying the ETNs on that day divided by the Initial Index Level. The Initial Index Level for this series of iPath ETNs is the closing value of the Index underlying the ETNs on the Inception Date.

⁴ The daily fee value (or daily investor fee) on any calendar day is equal to the product of (1) the closing VWAP level on such calendar day divided by the VWAP factor and (2) the Investor Fee Rate divided by 365. The VWAP factor is 85.7984, which is equal to the initial VWAP level of the Index divided by the principal amount of \$25.00 per ETN. The VWAP factor represents the initial exposure of each ETN to the initial VWAP level of the Index. The initial VWAP level was 2,144.96, which was the VWAP level at the closing of trading on the initial valuation date. The Volume-Weighted Average Price (VWAP) with respect to each Index Constituent, on any index business day, is the consolidated volume-weighted average price of one unit of such Index Constituent as determined by the VWAP calculation agent based on all trades in such Index Constituent reported in the consolidated tape system during the regular trading session. The VWAP Level on an index business day, as calculated by the VWAP calculation agent, (1) the sum of the products of (i) the VWAP of each Index Constituent as of such date plus (ii) the published unit weighting of that Index Constituent as of such date, divided by (2) the index divisor as of such date.

⁵ The investor fee rate per ETN is used in determining the investor fee which is calculated on a daily basis in the following manner. The investor fee on the inception date was equal to zero. On each subsequent calendar day until maturity or early redemption, the investor fee for each ETN will equal: (1) the closing indicative note value on the immediately preceding calendar day times (2) the Investor Fee Rate divided by (3) 365.

⁶ On any roll day, the index rolling cost for each ETN will equal \$0.005. Roll days occur over three consecutive index business days, commencing three index business days before the last index business day in each of the months of February, May, August and November in any given year. The net effect of the index rolling cost accumulates over time and is subtracted at the rate of \$0.06 per year, or 0.12% of the principal amount of your ETNs per year. On any calendar day that is not a roll day the index rolling cost for each ETN will equal \$0.

⁷ On any roll day, the index rolling cost for each ETN will equal \$0.01. Roll days occur over three consecutive index business days, commencing three index business days before the last index business day in each of the months of February, May, August and November in any given year. The net effect of the index rolling cost accumulates over time and is subtracted at the rate of \$0.12 per year, or 0.24% of the principal amount of your ETNs per year. On any calendar day that is not a roll day the index rolling cost for each ETN will equal \$0.

Please see the relevant product page on www.ipathetn.com and the applicable product prospectus for more information on fees and costs associated with the iPath ETNs.

The prospectus relating to each series of ETNs can be found on EDGAR, the SEC website at: www.sec.gov, as well as on the product website at the links listed below for the relevant series:

www.ipathetn.com/BCMprospectus
www.ipathetn.com/DJPprospectus
www.ipathetn.com/GSPprospectus
www.ipathetn.com/COWBprospectus
www.ipathetn.com/JJABprospectus
www.ipathetn.com/JIEBprospectus
www.ipathetn.com/JJGBprospectus
www.ipathetn.com/JIMBprospectus
www.ipathetn.com/JJPBprospectus
www.ipathetn.com/JJSBprospectus
www.ipathetn.com/BALBprospectus
www.ipathetn.com/BJJNprospectus
www.ipathetn.com/BIOprospectus
www.ipathetn.com/GAZBprospectus
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www.ipathetn.com/OILBprospectus
www.ipathetn.com/OLEMprospectus
www.ipathetn.com/PGMBprospectus
www.ipathetn.com/SGGBprospectus

www.ipathetn.com/VXXprospectus
www.ipathetn.com/VXXBprospectus
www.ipathetn.com/VXZprospectus
www.ipathetn.com/VXZBprospectus
www.ipathetn.com/XVZprospectus
www.ipathetn.com/IMLPprospectus
www.ipathetn.com/DFVLprospectus
www.ipathetn.com/DFVSperspectus
www.ipathetn.com/DLBLprospectus
www.ipathetn.com/DLBSprospectus
www.ipathetn.com/DTULprospectus
www.ipathetn.com/DTUSprospectus
www.ipathetn.com/DTYLprospectus
www.ipathetn.com/DTYSprospectus
www.ipathetn.com/FLATprospectus
www.ipathetn.com/STPPprospectus

Selected Risk Considerations

An investment in the iPath ETNs described herein (the "ETNs") involves risks. Selected risks are summarized here, but we urge you to read the more detailed explanation of risks described under "Risk Factors" in the applicable prospectus supplement and pricing supplement.

You May Lose Some or All of Your Principal: The ETNs are exposed to any change in the level of the underlying index, or the Volume Weighted Average Price ("VWAP") level, in the case of the iPath® S&P MLP ETN, between the inception date and the applicable valuation date. Additionally, if the level of the underlying index, or the VWAP level in the case of the iPath® S&P MLP ETN, is insufficient to offset the negative effect of the investor fee and other applicable costs, you will lose some or all of your investment at maturity or upon redemption, even if the value of such index, or the VWAP value in the case of the iPath® S&P MLP ETN, has increased or decreased, as the case may be. Because the ETNs are subject to an investor fee and any other applicable costs, the return on the ETNs will always be lower than the total return on a direct investment in the index components. **The ETNs are riskier than ordinary unsecured debt securities and have no principal protection.**

Credit of Barclays Bank PLC: The ETNs are unsecured debt obligations of the issuer, Barclays Bank PLC, and are not, either directly or indirectly, an obligation of or guaranteed by any third party. Any payment to be made on the ETNs, including any payment at maturity or upon redemption, depends on the ability of Barclays Bank PLC to satisfy its obligations as they come due. As a result, the actual and perceived creditworthiness of Barclays Bank PLC will affect the market value, if any, of the ETNs prior to maturity or redemption. In addition, in the event Barclays Bank PLC were to default on its obligations, you may not receive any amounts owed to you under the terms of the ETNs.

Issuer Redemption: If specified in the applicable prospectus, Barclays Bank PLC will have the right to redeem or "call" a series of ETNs (in whole but not in part) at its sole discretion and without your consent on any trading day on or after the inception date until and including maturity.

Automatic Redemption: If specified in the applicable prospectus, Barclays Bank PLC will automatically redeem a series of ETNs (in whole only, but not in part) at the specified automatic redemption value if, on any valuation date prior to or on the final valuation date, the intraday indicative note value of the ETNs becomes less than or equal to the applicable level specified in the prospectus.

A Trading Market for the ETNs May Not Develop: Although the ETNs are listed on a national securities exchange, a trading market for the ETNs may not develop and the liquidity of the ETNs may be limited, as we are not required to maintain any listing of the ETNs.

No Interest Payments from the ETNs: You may not receive any interest payments on the ETNs.

Restrictions on the Minimum Number of ETNs and Date Restrictions for Redemptions: You must redeem a specified number of ETNs of the same series at one time in order to exercise your right to redeem your ETNs on any redemption date. You may only redeem your ETNs on a redemption date if we receive a notice of redemption from you by certain dates and times as set forth in the pricing supplement.

Uncertain Tax Treatment: Significant aspects of the tax treatment of the ETNs are uncertain. You should consult your own tax advisor about your own tax situation.

The ETNs may be sold throughout the day on the exchange through any brokerage account. Commissions may apply and there are tax consequences in the event of sale, redemption or maturity of ETNs.

"Bloomberg®", "Bloomberg Commodity IndexSM", "Bloomberg Commodity Index Total ReturnSM", "Bloomberg Agriculture Subindex Total ReturnSM", "Bloomberg Aluminum Subindex Total ReturnSM", "Bloomberg Cocoa Subindex Total ReturnSM", "Bloomberg

Coffee Subindex Total ReturnSM", "Bloomberg Copper Subindex Total ReturnSM", "Bloomberg Cotton Subindex Total ReturnSM", "Bloomberg Energy Subindex Total ReturnSM", "Bloomberg Grains Subindex Total ReturnSM", "Bloomberg Industrial Metals Subindex Total ReturnSM", "Bloomberg Lead Subindex Total ReturnSM", "Bloomberg Livestock Subindex Total ReturnSM", "Bloomberg Natural Gas Subindex Total ReturnSM", "Bloomberg Nickel Subindex Total ReturnSM", "Bloomberg Platinum Subindex Total ReturnSM", "Bloomberg Precious Metals Subindex Total ReturnSM", "Bloomberg Softs Subindex Total ReturnSM", "Bloomberg Sugar Subindex Total ReturnSM", "Bloomberg Tin Subindex Total ReturnSM" and "BCOM" are service marks of Bloomberg Finance L.P. and its affiliates (collectively, "Bloomberg") and have been licensed for use for certain purposes by Barclays Bank PLC. Any ETNs based on the Bloomberg Commodity Indices are not sponsored, endorsed, sold or promoted by Bloomberg, UBS AG, UBS Securities LLC ("UBS"), or any of their subsidiaries or affiliates. None of Bloomberg, UBS AG, UBS Securities or any of their subsidiaries or affiliates makes any representation or warranty, express or implied, to the owners of or counterparties to the ETNs or any member of the public regarding the advisability of investing in securities or commodities generally or in the ETNs particularly.

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"Barclays US Treasury 2Y/10Y Yield Curve IndexTM", "Barclays 2Y US Treasury Futures Targeted Exposure IndexTM", "Barclays 5Y US Treasury Futures Targeted Exposure IndexTM", "Barclays 10Y US Treasury Futures Targeted Exposure IndexTM" and "Barclays Long Bond US Treasury Futures Targeted Exposure IndexTM" are trademarks of Barclays Bank PLC.

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Not FDIC Insured • No Bank Guarantee • May Lose Value