

2022 Foreign tax credit information for eligible Vanguard funds

Vanguard prepares IRS Form 1099-DIV that lists, among other things, the portion of taxes paid to foreign countries, when the Fund passes the Foreign Tax Credit to its shareholders. If you did not receive a Form 1099-DIV or need additional information to prepare federal and state income tax returns, use the table below to arrive at the required amounts. For those funds that offer ETF Shares, the name of the ETF and its ticker symbol are also listed.

The columns below represent the following:

Column 1:

Foreign Source Income percentage of Box 1a of Form 1099-DIV*

To calculate the Foreign Source Income, multiply the percentage below by the amount of Box 1a.

Column 2:

Qualified Foreign Dividend Income as a percentage of Box 1a of Form 1099-DIV*

To calculate the Qualified Foreign Dividend Income, multiply the percentage below by the amount of Box 1a.

Column 3:

Foreign Tax Paid percentage

If you did not receive Form 1099-DIV, you can calculate your Foreign Tax Paid by multiplying the percentage listed in Column 3 by Ordinary Cash Dividends paid to you by the Fund.

VANGUARD FUND	VANGUARD ETF® (TICKER)	COLUMN 1: Foreign source income as a % of Box 1a	COLUMN 2: Qualified foreign dividend income as a % of Box 1a	COLUMN 3: Foreign tax paid
Developed Markets Index	FTSE Developed Markets (VEA)	100.0000%	93.9591%	6.50%
Emerging Markets Select Stock		100.0000	59.7958	12.21
Emerging Markets Stock Index	FTSE Emerging Markets (VWO)	88.2528	23.8446	9.25
<i>(Available only as an ETF)</i>	ESG International Stock (VSGX)	100.0000	68.7551	11.35
European Stock Index	FTSE Europe (VGK)	100.0000	100.0000	2.99
FTSE All-World ex-US Index	FTSE All-World ex-US (VEU)	100.0000	76.2422	8.95
FTSE All-World ex-US Small-Cap Index	FTSE All-World ex-US Small-Cap (VSS)	100.0000	72.6067	18.31
Global Capital Cycles		92.7283	70.2596	15.37
Global ESG Select Stock		71.8131	60.8336	8.13
Global ex-U.S. Real Estate Index	Global ex-U.S. Real Estate (VNQI)	100.0000	5.4825	61.03
International Core Stock		100.0000	82.7438	12.40
International Dividend Appreciation Index	International Dividend Appreciation (VIGI)	99.0078	78.8927	12.46
International Explorer™		100.0000	100.0000	11.52

*If you did not receive Form 1099-DIV, calculate the Box 1a amount by adding ordinary cash dividends paid to you by the Fund, short-term capital gains paid to you by the Fund, and foreign taxes paid as calculated in Column 3.

(continued on the next page)

VANGUARD FUND	VANGUARD ETF® (TICKER)	COLUMN 1: Foreign source income as a % of Box 1a	COLUMN 2: Qualified foreign dividend income as a % of Box 1a	COLUMN 3: Foreign tax paid
International Growth		100.0000%	75.7322%	5.38%
International High Dividend Yield Index	International High Dividend Yield (VYMI)	100.0000	69.6451	8.17
International Value		100.0000	87.7324	10.13
LifeStrategy® Conservative Growth		33.3595	18.4491	2.18
LifeStrategy Growth		50.5377	35.2828	3.97
LifeStrategy Income		23.9040	9.2236	1.23
LifeStrategy Moderate Growth		42.2943	27.2023	3.10
Managed Allocation		26.3389	17.4529	2.28
Pacific Stock Index	FTSE Pacific (VPL)	100.0000	91.5965	7.38
STAR®		21.0144	17.6848	1.71
Target Retirement 2015		18.9918	10.5358	1.21
Target Retirement 2020		28.8844	17.3595	1.97
Target Retirement 2025		38.8439	24.7052	2.79
Target Retirement 2030		44.9697	29.6379	3.36
Target Retirement 2035		47.9631	32.6149	3.67
Target Retirement 2040		50.7917	35.4594	3.98
Target Retirement 2045		53.4333	38.1300	4.27
Target Retirement 2050		54.4932	39.2102	4.39
Target Retirement 2055		54.3525	39.1179	4.37
Target Retirement 2060		53.3027	38.3648	4.29
Target Retirement 2065		53.4120	38.4300	4.29
Target Retirement 2070		55.8203	40.1905	4.50
Target Retirement Income		19.1749	10.0698	1.17
Total International Bond Index	Total International Bond (BNDX)	84.7694	0.0000	2.39
Total International Bond II Index		100.0000	0.0000	1.60
Total International Stock Index	Total International Stock (VXUS)	100.0000	73.6311	8.52

Questions?

For more information, please call us at 877-662-7447 Monday through Friday from 8 a.m. to 8 p.m., Eastern time. Vanguard cannot provide tax advice, and nothing herein should be considered tax advice. You should consult your own tax advisor regarding your specific situation including if you're uncertain about the interpretation of a specific tax regulation. Although Vanguard aims to ensure the accuracy of the information contained in this supplement, we cannot guarantee that the information herein will not be subject to change or that a tax authority might disagree with the information herein or any tax position taken by a taxpayer in reliance upon the information in this supplement.

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Vanguard ETF Shares are not redeemable with the issuing fund other than in very large aggregations worth millions of dollars. Instead, investors must buy and sell Vanguard ETF Shares in the secondary market and hold those shares in a brokerage account. In doing so, the investor may incur brokerage commissions and may pay more than net asset value when buying and receive less than net asset value when selling.

All investing is subject to risk, including the possible loss of the money you invest.

We recommend that you consult a tax or financial advisor about your individual situation.

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