

Kellogg Company (K) Long Term: 6-12 Months Zacks Recommendation: Neutral (Since: 04/01/20) \$63.26 (As of 11/25/20) Prior Recommendation: Underperform Price Target (6-12 Months): \$66.00 3-Hold Short Term: 1-3 Months Zacks Rank: (1-5) VGM:A Zacks Style Scores: Value: B Growth: B Momentum: A

Summary

Though Kellogg has underperformed the industry in the past three months, the trend is likely to improve in the near term. The company has been gaining on increased demand amid the coronavirus-led higher at-home consumption. This helped Kellogg retain its organic sales trend in third-quarter 2020, wherein both top and bottom lines beat the consensus mark and management raised its guidance. Notably, organic sales were solid in all regions, largely due to solid cereal demand. However, results were somewhat affected by divestiture of the cookies, fruit snacks, pie crusts and ice-cream cone businesses and currency woes. Also, the away-from-home business remained soft and is expected to take time to stabilize due to the pandemic. Apart from this, high COVID-19-related costs and high advertising and consumer promotion investments are likely to hurt profits.

Data Overview

\$72.88 - \$52.66
2,053,523
\$21.7 B
-8.5%
0.63
\$2.28 / 3.6%
Food - Miscellaneous
Bottom 23% (195 out of 254)

Last EPS Surprise	3.4%
Last Sales Surprise	0.2%
EPS F1 Estimate 4-Week Change	1.4%
Expected Report Date	02/04/2021
Earnings ESP	0.0%
D/F TTM	15.6

15.6
15.7
3.5
1.6

Price, Consensus & Surprise



Sales and EPS Growth Rates (Y/Y %)



Sales Estimates (millions of \$)

*Quarterly figures may not add up to annual.

	Q1	Q2	Q3	Q4	Annual*
2021	3,349 E	3,397 E	3,468 E	3,359 E	13,558 E
2020	3,412 A	3,465 A	3,429 A	3,468 E	13,790 E
2019	3,522 A	3,461 A	3,372 A	3,223 A	13,578 A

EPS Estimates

	Q1	Q2	Q3	Q4	Annual*
2021	\$0.99 E	\$1.08 E	\$0.98 E	\$0.95 E	\$4.01 E
2020	\$0.99 A	\$1.24 A	\$0.91 A	\$0.88 E	\$4.03 E
2019	\$1.01 A	\$0.99 A	\$1.03 A	\$0.91 A	\$3.94 A

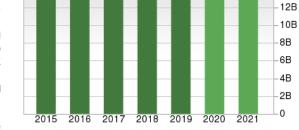
The data in the charts and tables, including the Zacks Consensus EPS and Sales estimates, is as of 11/25/2020. The reports text is as of 11/26/2020.

Overview

Headquartered in Battle Creek, MI, **Kellogg Company** (K) manufactures and markets ready-to-eat cereals and convenience foods (including cookies, crackers, toaster pastries, cereal bars, fruit-flavored snacks, frozen waffles and veggie foods), and savory snacks. The company has a balanced portfolio of cereal and snack products.

Kellogg's products are manufactured in 20 countries and marketed across 180 nations. Principal markets for the products offered include the United States and United Kingdom.

We note that earlier the company reported results under seven segments namely; U.S. Snacks, U.S. Morning Foods, U.S. Specialty Channels, North America Other, Europe, Latin America and Asia Pacific. The U.S. Snacks unit includes items such as crackers, cookies, cereal bars, savory snacks and fruit-flavored snacks. The U.S. Morning Foods unit consist of mainly cereals and toaster pastries. U.S. Specialty Channels consists of food away from home channels, including food service, convenience, vending and food manufacturing. Further, the North America Other unit includes U.S. Frozen, Kashi, Canada, and RX operating segments. The remining segments are based on geographical locations, namely; Europe, Latin America and the Middle East and Northern Africa.



EPS Hist, and Est.

Sales Hist. and Est.

4

3.5

2.5 2

1.5

0.0

1 0.5

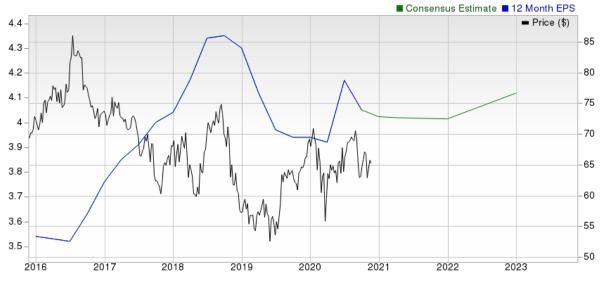
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Concurrent to its fourth-quarter 2018 results, Kellogg unveiled some changes related to its segments for 2019. As part of its efforts to

reorganize its North America region, the sub divisions – U.S. Snacks, U.S. Morning Foods, U.S. Specialty Channels and North America Other – have been removed.

Further, the company has transferred its Middle East, Turkey and North African businesses from Kellogg Europe to Kellogg Asia-Pacific. Kellogg Asia-Pacific has been rechristened as Kellogg Asia, Middle East & Africa. As per these changes, the company now reports its quarterly outcomes under four segments, namely; North America, Europe, Latin America and the Asia, Middle East & Africa or AMEA region.

In 2019, the company generated sales of \$13.6 billion (61.8% from North America, 15.4% from Europe, 6.9% from Asia-Pacific and 15.9% from Latin America).



Source: Zacks Investment Research

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Reasons To Buy:

▲ Better-Than-Expected Q3 Results, Raised 2020 View: Though shares of Kellogg have underperformed the industry in the past three months, the trend is likely to improve in the near term. Shares of the company have declined 10.2% in the past three months against the industry's growth of 1.1%. Notably, Kellogg raised its 2020 view on strong third-quarter results, wherein both earnings and sales beat the Zacks Consensus Estimate and sales grew year over year. Notably, the third quarter was marked by solid sales growth in emerging markets and greater-than-anticipated consumption gains in core developed markets. Further, the company undertook considerable brand investments worldwide in a move to further solidify its competitive position. Additionally, Kellogg's robust cash generation helped improve financial flexibility. During the quarter, the company delivered net sales of \$3,429 million, which climbed 1.7% year on year and surpassed the consensus mark of \$3,421 million. Results were backed by pandemic-led increased buying.

Kellogg has been gaining on demand for packaged food products amid the coronavirus-led stockpiling. Such trends helped the company retain its robust organic sales trend in the third-quarter.

Better-than-expected results and robust in-market performance in all four regions encouraged management to raise its guidance for 2020. Adjusted operating profit is expected to climb about 2% at cc now against a 1% drop projected earlier. Adjusted earnings per share are expected to grow about 2% now against a 1% dip estimated before.

- ▲ High Demand Continues to Aid Organic Sales: Kellogg has been benefiting from increased demand for packaged food products amid the coronavirus-led stockpiling. Such trends also helped the company retain its organic sales trend in third-quarter 2020, which moved up roughly 5% (on excluding currency and divestitures). Management stated that demand for packaged foods owing to the pandemic-led higher at-home consumption remained high, though it moderated from the preceding quarter. This, in turn, fueled the company's sales in retail channels (including solid growth in emerging markets) and helped it counter the declines in food sold in the away-from-home network. Notably, organic sales grew across all regions, largely due to elevated cereal demand. Organic sales in the ongoing year are now estimated to grow around 6%, up from the previous guidance of 5%.
- ▲ Lucrative Buyouts: In line with the strategy to diversify its organic offerings, Kellogg acquired protein bar maker, Chicago Bar Company, in 2017. Chicago Bar Company makes RXBAR, which is considered the one of the fastest growing nutrition bar brand in the United States. RX now forms part of Kellogg's organic revenues. Additionally, the company's Pringles buyout has been lucrative. Markedly, with the 2012 Pringles deal, Kellogg transformed itself from what was essentially a large U.S. snacks business to a true global snacks player. Also, the consolidation of Multipro (completed in May 2018), a Nigerian food distributor has been yielding. Markedly, these acquired businesses are expected to continue supporting the company' business. Kellogg also continues to expand its acquired brands through new product introductions.
- ▲ Strong Brand Portfolio: Kellogg boasts a legacy of over 100 years built on solid product portfolio and brand identity in both cereals and snacks. Its portfolio consists of strong brands such as Pringles, RXBAR, Bear Naked, Cheez-It, Rice Krispies Treats among many others. The company's frozen foods brands like Morningstar Farms and Eggo have also been depicting strong growth. Kellogg is also dedicated toward augmenting its portfolio through adding more products under existing brands, innovation and marketing initiatives. The company has been focused on investing in brand-building efforts. In this respect, it invests in digital media, consumer promotions and traditional advertising. Kellogg has also been enhancing its in-store capabilities like increasing sales force of its struggling businesses.
- ▲ Financial Analysis: As of the end of third-quarter 2020 (Sep 26, 2020), Kellogg's long-term debt (including operating lease liabilities) remained almost stable at \$7.5 billion. Moreover, the company's times interest earned ratio improved sequentially from 6.6 as of the end of the second quarter to 7.1 as of the third-quarter-end. Additionally, at the end of the third quarter, Kellogg had cash and cash equivalents of \$1,329 million. Apart from a solid cash balance, Kellogg has good access to commercial paper. Also, it has unused revolving credit agreements worth \$2.5 billion, as of Sep 26. The company remains focused on maintaining its financial flexibility amid a tough operating environment and well placed in terms of liquidity and balance sheet position. On its third-quarter earnings call, the company raised its cash flow guidance for 2020 from nearly \$1 billion to a range of \$1.3-\$1.4 billion, thanks to better-than-expected delivery in the third quarter, among other factors.

Reasons To Sell:

▼ Elevated Costs: Kellogg has been incurring elevated costs related to operations amid the pandemic, such as costs around safety, logistics, temporary labor and employee benefits. In the third quarter, Kellogg continued to incur high costs associated with COVID-19, which are likely to sustain in full-year 2020. Apart from this, the company saw elevated advertising and consumer promotion investments and increased performance-based compensation, which together with currency woes and divestiture impacts weighed on its adjusted operating profit. Markedly, the adjusted operating profit tumbled 9.7% to \$400 million

Softness in the away-fromhome food business amid the pandemic are concerning. Also, high COVID-19-related costs are likely to hurt profits.

As mentioned earlier, the company pushed certain investments related to brands, supply-chain and commercial plans to the second half of 2020. Consequently, management expects advertising and consumer promotion investments to increase in double-digits in the fourth quarter of 2020 as well.

▼ Away-from-Home Business Under Pressure: While higher at-home consumption is driving Kellogg's retail demand, the company's foodservice business has been under pressure due to declines in food sold in the away-from-home network. This was witnessed in the third quarter of 2020, wherein away-from-home business remained challenging. Further, Kellogg expects the away-from-home business to remain soft, though the trend is anticipated to moderate. Away-from-home sales are likely to take some time to stabilize as schools, lodging and travel are expected to take time to recover.

Also, Kellogg expects at-home demand growth rate to decelerate. Apart from this, management expects decelerated growth in emerging markets amid the pandemic Moreover, the emerging market growth rate is anticipated to decelerate amid the pandemic-led economic sluggishness in the fourth quarter.

- ▼ Divestiture Impacts: Kellogg's third-quarter 2020 net sales continued to bear adverse impacts from the divestiture of cookies, fruit snacks, pie crusts and ice-cream cone businesses (concluded in July 2019). Absence of the divested businesses particularly dragged down sales and exerted pressure on the company's North American unit. For full-year 2020, management expects divestiture impacts on Kellogg's adjusted operating profit and earnings per share.
- ▼ Currency Headwinds: Kellogg's solid international presence keeps the company exposed to risks associated with overseas operations. Volatile currency movement is one such risk. Notably, adverse currency rates hurt the company's top line and also negatively impacted the adjusted operating profit to an extent. Persistence of such trends remains a threat.
- ▼ Food Industry Headwinds: The food industry grapples with stiff competition and aggressive promotional environment. The company faces intense competition from other food companies on the grounds of quality, prices and availability. To meet such competitive pressure effectively, Kellogg may have to lower prices or indulge in marketing activities to maintain market share. Additionally, since the company operates in a highly regulated nutritional food space, its products are frequently inspected by government agencies. Moreover, nutritional products usually have a lower shelf life which requires products to move off the shelves rapidly, to prevent expiry.

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Last Earnings Report

Kellogg Q3 Earnings & Sales Top Estimates, View Raised

Kellogg reported solid third-quarter 2020 results. Adjusted earnings of 91 cents per share dropped 11.7% year over year (also on a constant currency or cc basis). The year-over-year decline resulted from a rise in consumer promotion investments, increased performance-based compensation and a greater adjusted effective tax rate, partly offset by reduced interest expenses and a rise in other income. Nonetheless, the bottom line came ahead of the Zacks Consensus Estimate of 88 cents.

Quarter Ending	09/2020
Report Date	Oct 29, 2020
Sales Surprise	0.23%
EPS Surprise	3.41%
Quarterly EPS	0.91
Annual EPS (TTM)	4.05

The company delivered net sales of \$3,429 million, which climbed 1.7% year on year and surpassed the consensus mark of \$3,421 million. Adverse impacts of the divestiture of the company's cookies, fruit snacks, pie crusts and ice-cream cone businesses (in July 2019), and currency headwinds were offset by robust organic sales growth in other businesses, resulting from pandemic-led increased buying.

Organic sales (excluding currency and divestitures) moved up roughly 5%. Management stated that demand for packaged foods owing to the pandemic-led higher at-home consumption remained high, though it moderated from the preceding quarter. This, in turn, fueled the company's sales in retail channels (including solid growth in emerging markets) and helped it counter the declines in food sold in the away-from-home network.

Adjusted operating profit tumbled 9.7% to \$400 million due to elevated advertising and consumer promotion investments, increased performance-based compensation, currency headwinds and the impact of last years' divestitures. This was somewhat cushioned by higher sales and gross profit.

Segment Discussion

Sales in the **North America** segment amounted to \$2,059 million, which remained flat year over year as divestiture impacts were countered by impressive growth in other businesses amid the pandemic. Sales grew 3% on an organic basis, depicting improvements in cereal, frozen foods and snacks. In fact, Kellogg gained market share in five out of six main categories in the United States. Adjusted operating profit fell 9% at cc due to a considerable rise in advertising and consumer promotion expenditure, divestiture impacts and high COVID-19 costs.

Revenues in the **Europe** segment totaled \$552 million, up 4.7% year on year, including a favorable currency impact of about 4%. Further, sales rose roughly 1% on an organic basis, on strength in cereal and Pringles sales. This was somewhat mitigated by declines in portable wholesome snack sales due to lower demand for on-the-go foods and pack-formats amid the pandemic-led social distancing. Adjusted operating profit declined nearly 13% at cc.

Revenues in **Latin America** totaled \$236 million, down 3% year on year on account of currency headwinds of 16%. Sales grew 13% on an organic basis on solid cereal demand in the modern trade network across the region, together with improvement in snack sales (especially in Brazil). Adjusted operating profit jumped about 30% at cc.

Revenues in the **Asia, the Middle East & Africa** segment totaled \$582 million, up 7.3% year over year, including currency headwinds of more than 3%. Markedly, the company saw broad-based growth, including gains in Australia, Africa, the Middle East and Asia. Further, Kellogg's sales increased across cereal, noodles and snacks. Sales improved approximately 11% on an organic basis. Adjusted operating profit was up 6% at cc.

Other Financials

Kellogg ended the quarter with cash and cash equivalents of \$1,329 million, long-term debt of \$7,000 million and total equity of \$3,586 million. In the year-to-date period, the company has generated cash from operating activities of \$1,593 million.

Cash flow from operating activities is now likely to be \$1.8-\$1.9 billion in 2020, up from \$1.6 billion guided earlier. Capital expenditures are expected to be nearly \$0.5 billion and cash flow is now estimated to be \$1.3-\$1.4 billion. Cash flow was projected to be around \$1 billion earlier.

2020 Guidance

Organic sales in the ongoing year are now estimated to grow around 6%, up from the previous guidance of 5%. Adjusted operating profit is expected to climb about 2% at cc now against a 1% drop projected earlier. Adjusted earnings per share are expected to grow about 2% now against a 1% dip estimated before. Adjusted operating profit and earnings will likely bear divestiture impacts.

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Recent News

Kellogg Declares Dividend - Oct 23, 2020

Kellogg's board approved a dividend of 57 cents per share, payable on Dec 15, 2020, to shareholders in record as on Dec 1.

Valuation

Kellogg's shares are down 8.6% in the year-to-date period and 3.6% over the trailing 12-month period. Stocks in the Zacks sub-industry are up 0.3% in the year-to-date period, while the Zacks Consumer Staples sector is down 1.7%. Over the past year, the Zacks sub-industry is up 4%, while the sector gained 0.6%.

The S&P 500 index is up 13.2% in the year-to-date period and 15.6% in the past year.

The stock is currently trading at 15.76X forward 12-month earnings, which compares to 19.38X for the Zacks sub-industry, 20.21X for the Zacks sector and 22.69X for the S&P 500 index.

Over the past five years, the stock has traded as high as 22.71X and as low as 12.45X, with a 5-year median of 16.28X. Our Neutral recommendation indicates that the stock will perform in-line with the market. Our \$66 price target reflects 16.44X forward 12-month earnings.

The table below shows summary valuation data for K

Valuation Multiples - K						
		Stock	Sub-Industry	Sector	S&P 500	
	Current	15.76	19.38	20.21	22.69	
P/E F12M	5-Year High	22.71	22.9	22.37	23.47	
	5-Year Low	12.45	14.74	16.61	15.27	
	5-Year Median	16.28	18.52	19.56	17.72	
	Current	1.6	1.75	9.94	4.25	
P/S F12M	5-Year High	2.28	2.05	11.16	4.3	
	5-Year Low	1.32	1.4	8.14	3.17	
	5-Year Median	1.77	1.72	9.9	3.67	
	Current	12.58	13.68	35.34	14.77	
EV/EBITDA F12M	5-Year High	14.33	14.54	37.44	15.48	
	5-Year Low	10.29	10.79	25.84	10.69	
	5-Year Median	12.31	13.09	33.77	13.27	

As of 11/25/2020

Source: Zacks Investment Research

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Industry Analysis Zacks Industry Rank: Bottom 23% (195 out of 254) ■ Industry Price 440 - Industry ■ Price 85 420 80 75 400 380 360 60 340 -55 320 -50 2019 2017 2018 2020 2016

Source: Zacks Investment Research

Top Peers

Company (Ticker)	Rec Rank
B&G Foods, Inc. (BGS)	Neutral 3
BRF S.A. (BRFS)	Neutral 3
Conagra Brands Inc. (CAG)	Neutral 3
Campbell Soup Company (CPB)	Neutral 3
General Mills, Inc. (GIS)	Neutral 3
The Kraft Heinz Company (KHC)	Neutral 3
Tingyi Cayman Islands Holdings Corp. (TCYMF)	Neutral 3
Aramark (ARMK)	Underperform 5

The positions listed should not be deemed a recommendation to buy, hold or sell.

Industry Comparison Industry	v: Food - Miscella	neous		Industry Peers		
massa,	K	X Industry	S&P 500	ARMK	CAG	GIS
Zacks Recommendation (Long Term)	Neutral	-	-	Underperform	Neutral	Neutra
Zacks Rank (Short Term)	3	-	-	5	3	3
VGM Score	Α	-	-	D	В	В
Market Cap	21.74 B	3.58 B	26.28 B	9.20 B	17.47 B	36.68 B
# of Analysts	9	3	14	7	8	8
Dividend Yield	3.60%	0.00%	1.48%	1.21%	3.08%	3.40%
Value Score	В	-	-	С	C	С
Cash/Price	0.07	0.07	0.07	0.27	0.03	0.05
EV/EBITDA	13.10	12.79	14.65	10.76	14.05	12.49
PEG F1	3.49	4.33	2.76	NA	2.03	2.22
P/B	6.06	2.50	3.57	3.36	2.13	4.19
P/CF	11.79	11.97	13.72	10.99	11.58	13.07
P/E F1	15.70	18.21	21.80	NA	14.18	16.65
P/S TTM	1.61	1.32	2.83	0.72	1.54	2.04
Earnings Yield	6.37%	4.52%	4.40%	-0.88%	7.05%	6.00%
Debt/Equity	1.95	0.57	0.70	3.35	1.09	1.24
Cash Flow (\$/share)	5.36	2.68	6.93	3.31	3.09	4.59
Growth Score	В	-	-	C	В	В
Historical EPS Growth (3-5 Years)	3.01%	4.27%	9.72%	4.51%	-0.75%	4.24%
Projected EPS Growth (F1/F0)	2.23%	14.04%	0.45%	-89.08%	10.58%	-0.17%
Current Cash Flow Growth	-9.43%	2.55%	5.23%	-27.61%	22.57%	9.11%
Historical Cash Flow Growth (3-5 Years)	-0.49%	5.61%	8.33%	6.35%	4.34%	3.48%
Current Ratio	0.79	1.69	1.38	1.99	0.95	0.70
Debt/Capital	66.13%	36.72%	41.99%	77.06%	52.04%	55.30%
Net Margin	8.80%	3.51%	10.44%	-3.60%	8.77%	12.78%
Return on Equity	41.23%	11.37%	14.99%	-1.48%	15.77%	28.46%
Sales/Assets	0.74	0.95	0.50	0.85	0.51	0.59
Projected Sales Growth (F1/F0)	1.56%	0.00%	0.23%	0.72%	-1.22%	-0.50%
Momentum Score	Α	-	-	F	D	C
Daily Price Change	1.26%	-0.33%	-0.56%	-1.62%	1.13%	-0.94%
1-Week Price Change	-1.14%	-0.02%	0.21%	3.80%	-0.47%	0.64%
4-Week Price Change	-0.36%	8.56%	14.04%	33.74%	-0.28%	0.81%
12-Week Price Change	-10.17%	0.47%	8.89%	25.52%	-6.51%	-6.98%
52-Week Price Change	-3.58%	1.89%	5.87%	-17.85%	22.55%	12.19%
20-Day Average Volume (Shares)	2,053,523	148,816	2,256,422	2,360,833	2,639,957	3,266,641
EPS F1 Estimate 1-Week Change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
EPS F1 Estimate 4-Week Change	1.45%	0.00%	1.00%	-171.66%	0.00%	0.00%
EPS F1 Estimate 12-Week Change	1.94%	1.94%	3.64%	-142.16%	5.33%	2.20%
EPS Q1 Estimate Monthly Change	2.71%	-0.32%	0.00%	-450.00%	0.00%	0.00%

Source: Zacks Investment Research

Zacks Stock Rating System

We offer two rating systems that take into account investors' holding horizons: Zacks Rank and Zacks Recommendation. Each provides valuable insights into the future profitability of the stock and can be used separately or in combination with each other depending on your investment style.

Zacks Recommendation

The Zacks Recommendation aims to predict performance over the next 6 to 12 months. The foundation for the quantitatively determined Zacks Recommendation is trends in the company's estimate revisions and earnings outlook. The Zacks Recommendation is broken down into 3 Levels; Outperform, Neutral and Underperform. Unlike many Wall Street firms, we maintain a balance between the number of Outperform and Neutral recommendations. Our team of 70 analysts are fully versed in the benefits of earnings estimate revisions and how that is harnessed through the Zacks quantitative rating system. But we have given our analysts the ability to override the Zacks Recommendation for the 1200 stocks that they follow. The reason for the analyst over-rides is that there are often factors such as valuation, industry conditions and management effectiveness that a trained investment professional can spot better than a quantitative model.

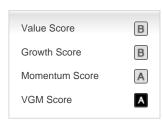
Zacks Rank

The Zacks Rank is our short-term rating system that is most effective over the one- to three-month holding horizon. The underlying driver for the quantitatively-determined Zacks Rank is the same as the Zacks Recommendation, and reflects trends in earnings estimate revisions.

Zacks Style Scores

The Zacks Style Score is as a complementary indicator to the Zacks rating system, giving investors a way to focus on the highest rated stocks that best fit their own stock picking preferences.

Academic research has proven that stocks with the best Value, Growth and Momentum characteristics outperform the market. The Zacks Style Scores rate stocks on each of these individual styles and assigns a rating of A, B, C, D and F. We also produce the VGM Score (V for Value, G for Growth and M for Momentum), which combines the weighted average of the individual Style Scores into one score. This is perfectly suited for those who want their stocks to have the best scores across the board.



As an investor, you want to buy stocks with the highest probability of success. That means buying stocks with a Zacks Recommendation of Outperform, which also has a Style Score of an A or a B.

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ZIR uses the following rating system for the securities it covers. **Outperform-** ZIR expects that the subject company will outperform the broader U.S. equities markets over the next six to twelve months. **Neutral-** ZIR expects that the company will perform in line with the broader U.S. equities markets over the next six to twelve months. **Underperform-** ZIR expects the company will underperform the broader U.S. equities markets over the next six to twelve months.

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Additional Disclosure

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Returns quoted represent past performance which is no guarantee of future results. Investment returns and principal value will fluctuate so that when shares are redeemed, they may be worth more or less than their original cost. Current performance may be higher or lower than the performance shown.

Investing involves risk; principal loss is possible. There is no guarantee that companies that can issue dividends will declare, continue to pay or increase dividends.

Glossary of Terms and Definitions

52-Week High-Low: The range of the highest and lowest prices at which a stock has traded during the past year. This range is determined based on the stock's daily closing price which may differ from the intra-day high or low. Many investors use it as a technical indicator to determine a stock's current value and future price movement. The idea here is that if price breaks out from the 52-week range, in either direction, the momentum may continue in the same direction.

20-Day Average Volume (Shares): The average number of shares of a company traded in a day over the last 20 days. It is a direct indication of a security's overall liquidity. The higher the average daily trading volume, the easier it is to enter or exit the stock at a desired price with more buyers and sellers being available.

Daily Price Change: This is the percentage difference between a trading day's closing price and the prior trading day's closing price. This item is updated at 9 p.m. EST each day.

1-Week Price Change: This is the percentage change in a stock's closing price over the last 5 trading days. This change reflects the collective buying and selling sentiment over the 1-week period.

A strong weekly price increase for the stock, especially when accompanied by increased volume, is an indication of it gaining momentum.

4-Week Price Change: This is the percentage change in a stock's closing price over the last 20 trading days or past 4 weeks. This is a mediumterm price change metric and an indication of the stock gaining momentum.

12-Week Price Change: This is the percentage change of a stock's closing price over the last 60 trading days or past 12 weeks. Similar to 4week price change, this is a medium-term price change metric. It shows whether a stock has been enjoying strong investor demand, or if it has been in consolidation, or distress over this period.

52-Week Price Change: This is the percentage change in a stock's closing price over the last 260 trading days or past 52 weeks. This longterm price change metric is a good reference point for investors. Some investors seek stocks with the best percentage price change over the last 52 weeks, expecting the momentum to continue.

Market Cap: The number of outstanding common shares of a company times its latest price per share. This figure represents a company's size, which indicates various characteristics, including price stability and risk, in which investors could be interested.

Year-To-Date Price Change: Change in a stock's daily closing price in the period of time beginning the first day of the current calendar year through to the previous trading day.

of Analysts: Number of EPS estimates used in calculating the current-quarter consensus. These estimates come from the brokerage analysts tracking this stock. However, the number of such analysts tracking this stock may not match the number of estimates, as all brokerage analysts may not come up with an estimate or provide it to us.

Beta: A measure of risk commonly used to compare the volatility of a stock to the overall market. The S&P 500 Index is the base for calculating beta and carries a value of 1. A stock with beta below 1 is less risky than the market as a whole. And a stock with beta above 1 is riskier.

Dividend: The portion of earnings a company is expected to distribute to its common shareholders in the next 12 months for each share they own. Dividends are usually paid quarterly. Dividend payments reflect positively on a company and help maintain investors' trust. Investors typically find dividend-paying stocks appealing because the dividend adds to any market price appreciation to result in higher return on investment (ROI). Moreover, a steady or increasing dividend payment provides investors a cushion in a down market.

Dividend Yield: The ratio of a company's annual dividend to its share price. The annual dividend used in the ratio is calculated based on the mostrecent dividend paid by the company. Dividend yield is an estimate of the dividend-only return from a stock in the next 12 months. Since dividend itself doesn't change frequently, dividend yield usually changes with a stock's price movement. As a result, often an unusually high dividend yield is a result of weak stock price.

S&P 500 Index: The Standard & Poor's 500 (S&P 500) Index is an unmanaged group of securities considered to be representative of the stock market in general. It is a market-capitalization-weighted index of stocks of the 500 largest U.S. companies. Each stock's weight in the index is proportionate to its market value.

Industry: One of the 250+ groups that Zacks classifies all stocks into based on the nature of business. These groups are termed as expanded (aka "X") industries and map to their respective (economic) sectors; Zacks has 16 sectors.

Zacks Industry Rank: The Zacks Industry Rank is determined by calculating the average Zacks Rank for all stocks in the industry and then assigning an ordinal rank to it. For example, an industry with an average Zacks Rank of 1.6 is better than an industry with an average Zacks Rank of 2.3. So, the industry with the better average Zacks Rank would get a better Zacks Industry Rank. If an industry has the best average Zacks Rank, it would be considered the top industry (1 out of 250+), which would place it at the top 1% of Zacks-ranked industries. Studies have shown that roughly half of a stock's price movement can be attributed to the industry group it belongs to. In fact, the top 50% of Zacks-ranked industries outperforms the bottom 50% by a factor of more than 2 to 1.

Last EPS Surprise: The percentage deviation of a company's last reported earnings per share from the Zacks Consensus Estimate. Companies with a positive earnings surprise are more likely to surprise again in the future (or miss again if they recently missed).

Last Sales Surprise: The percentage deviation of a company's last reported sales from the Zacks Consensus Estimate.

Expected Report Date: This is an estimated date of a company's next earnings release. The information originated or gathered by Zacks Investment Research from its information providers or publicly available sources is the basis of this estimate.

Earnings ESP: The Zacks Earnings ESP compares the Most Accurate Estimate to the Zacks Consensus Estimate for the yet-to-be reported quarter. The Most Accurate Estimate is the most recent version of the Zacks Consensus EPS Estimate. The idea here is that analysts revising their estimates closer to an earnings release have the latest information, which could potentially be more accurate than what they and others contributing to the consensus had predicted earlier. Thus, a positive or negative Earnings ESP reading theoretically indicates the likely deviation of the actual earnings from the consensus estimate. However, the model's predictive power is significant for positive ESP readings only. A positive Earnings ESP is a strong predictor of an earnings beat, particularly when combined with a Zacks Rank #1 (Strong Buy), #2 (Buy) or #3 (Hold). Our research shows that stocks with this combination produce a positive surprise nearly 70% of the time.

Periods:

TTM: Trailing 12 months. Using TTM figures is an effective way of analyzing the most-recent financial data in an annualized format that helps neutralize the effects of seasonality and other quarter-to-quarter variation.

F1: Current fiscal year. This period is used to analyze the estimates for the ongoing full fiscal year.

F2: Next fiscal year. This period is used to analyze the estimates for the next full fiscal year.

F12M: Forward 12 months. Using F12M figures is an effective way of analyzing the near-term (the following four unreported quarters) estimates in an annualized manner. Instead of typically representing estimates for the full fiscal year, which may not represent the nitty-gritty of each quarter, F12M figures suggest an all-inclusive annualized estimate for the following four quarters. The annualization helps neutralize the potential effects of seasonality and other quarter-to-quarter variations.

P/E Ratio: The price-to-earnings ratio measures a company's current market price per share relative to its earnings per share (EPS). Usually, the trailing-12-month (TTM) EPS, current-fiscal-year (F1) EPS estimate, or forward-12-month (F12M) EPS estimate is used as the denominator. In essence, this ratio shows what the market is willing to pay today for each dollar of EPS. In other words, this ratio gives a sense of what the relative value of the company is at the already reported level of earnings or at a future level of earnings.

It is one of the most widely-used multiples for determining the value of a company and helps comparing its valuation with that of a competitor, the industry group or a benchmark.

PEG Ratio: The price/earnings to growth ratio is a stock's P/E ratio using current fiscal year (F1) EPS estimate divided by its expected EPS growth rate over the coming 3 to 5 years. This ratio essentially determines a stock's value by factoring in the company's expected earnings growth and is thus believed to provide a more complete picture than just the P/E ratio, particularly for faster-growing companies.

P/S Ratio: The price-to-sales ratio is calculated as a company's current price per share divided by trailing 12 months (TTM) sales or revenues per share. This ratio shows what the market is willing to pay today for each dollar of TTM sales per share. The P/S ratio is at times the only valuation metric when the company has yet to become profitable.

Cash/Price Ratio: The cash-to-price ratio or Cash Yield is calculated as cash and marketable securities per share divided by the company's current share price. Like the earnings yield, which shows the anticipated yield (or return) on a stock from earnings for each dollar invested, the cash yield does the same, with cash being the source of return instead of earnings. For example, a cash/price ratio of 0.08 suggests a return of 8% or 8 cents for every \$1 investment.

EV/EBITDA Ratio: The EV/EBITDA ratio, also known as Enterprise Multiple, is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by EBITDA (earnings before interest, taxes, depreciation and amortization). Usually, trailing-12-month (TTM) or forward-12-month (F12M) EBITDA is used as the denominator.

EV/Sales Ratio: The enterprise value-to-sales ratio is calculated as a company's enterprise value (market capitalization + value of total long-term debt + book value of preferred shares - cash and marketable securities) divided by annual sales. It is an expansion of the P/S valuation, which uses market value instead of enterprise value. The EV/Sales ratio is perceived as more accurate than P/S, in part, because the market capitalization does not take a company's debt into account when valuing it.

EV/CF Ratio: The enterprise value-to-cash flow ratio is calculated as a company's enterprise value (market capitalization + value of total longterm debt + book value of preferred shares - cash and marketable securities) divided by the trailing-12-month (TTM) operating cash flow. It's a measure of how long it would take to buy the entire business if you were able to use all the company's operating cash flow.

The EV/CF ratio is perceived as more accurate than the P/CF ratio, in part, because the market price does not take a company's debt into account when valuing it.

EV/FCF Ratio: The enterprise value-to-free cash flow metric compares a company's enterprise value to its trailing-12-month (TTM) free cash flow (FCF). This metric is very similar to the EV/CF ratio, but is considered a more exact measure owing to the fact that it uses free cash flow, which subtracts capital expenditures (CAPEX) from a company's total operating cash flow, thereby reflecting the actual cash flow available for funding growth activities and payments to shareholders.

P/EBITDA Ratio: The P/EBITDA ratio is calculated as a company's per share market value divided by EBITDA (earnings before interest, taxes, depreciation, and amortization). This metric is very similar to the EV/EBITDA ratio, but is considered a little less exact measure as it uses market price, which does not take a company's debt into account. However, since EBITDA is often considered a proxy for cash income, the metric is used as a measure of what the market is willing to pay today for each dollar of the company's cash profitability in the trailing 12 months (TTM) or forward 12 months (F12M).

P/B Ratio: The price-to-book ratio is calculated as a company's current price per share divided by its book value (total assets – liabilities – preferred stocks) per share. In short, the book value is how much a company is worth. In other words, it reflects the total value of a company's assets that its common shareholders would receive if it were to be liquidated. So, the P/B ratio indicates whether you're paying higher or lower than what would remain if the company went bankrupt immediately. Investors typically use this metric to determine how a company's stock price stacks up to its intrinsic value.

P/TB Ratio: The price-to-tangible-book value ratio is calculated as a the per share market value of a company divided by the value of its tangible assets (total assets – liabilities – preferred stocks – intangible assets) per share. Tangible book value is the same thing as book value except it excludes the value of intangible assets to get a step closer to the baseline value of the company.

P/CF Ratio: The price-to-cash flow ratio measures a company's per share market price relative to its trailing-12-month (TTM) operating cash flow per share. This metric is used to determine whether a company is undervalued or overvalued relative to another stock, industry or sector. And like the P/E ratio, a lower number is typically considered better from the value perspective.

One of the reasons why P/CF ratio is often preferred over P/E ratio is the fact that operating cash flow adds back non-cash expenses such as depreciation and amortization to net income. This feature helps valuing stocks that have positive cash flow but are not profitable because of large noncash charges.

P/FCF Ratio: The price-to-free cash flow ratio is an extension of P/CF ratio, which uses trailing-12-month (TTM) free cash flow per share instead of operating cash flow per share. This metric is considered a more exact measure than P/CF ratio, as free cash flow subtracts capital expenditures (CAPEX) from a company's total operating cash flow, thereby reflecting the actual cash flow available for funding activities that generate additional revenues.

Earnings Yield: The earnings yield is calculated as current fiscal year (F1) EPS estimate divided by the company's current share price. The ratio, which is the inverse of the P/E ratio, measures the anticipated yield (or return) from earnings for each dollar invested in a stock today.

For example, earnings yield for a stock, which is trading at \$35 and expected to earn \$3 per share in the current fiscal year (F1), would be 0.0857 (3/35 = 0.0857) or 8.57%. In other words, for \$1 invested in the stock today, the yield from earnings is anticipated to be 8.57 cents.

Investors most commonly compare the earnings yield of a stock to that of a broad market index (such as the S&P 500) and prevailing interest rates, such as the current 10-year Treasury yield. Since bonds and stocks compete for investors' dollars, stock investors typically demand a higher yield for the extra risk they assume compared to investors of U.S. Treasury-backed securities that offer virtually risk-free returns. This additional return is referred to as the risk premium.

Debt/Equity Ratio: The debt-to-equity ratio is calculated as a company's total liabilities divided by its shareholder equity. This metric is used to gauge a company's financial leverage. In other words, it is a measure of the degree to which a company is financing its operations through debt versus its own funds. The higher the ratio, the higher the risk for shareholders.

However, this ratio is difficult to compare across industry groups where ideal amounts of debt vary. Some businesses are more capital intensive than others and typically require higher debt to finance their operations. So, a company's debt-to-equity ratio should be compared with other companies in the same industry.

Cash Flow (\$/share): Cash flow per share is calculated as operating cash flow (after-tax earnings + depreciation + other non-cash charges) divided by common shares outstanding. It is used by many investors as a measure of a company's financial strength. Since cash flow per share takes into consideration a company's ability to generate cash by adding back non-cash expenses, it is regarded by some as a more accurate measure of a company's financial situation than earnings per share, which could be artificially deflated.

Current Ratio: The current ratio or liquidity ratio is a company's current assets divided by its current liabilities. It measures a company's ability to pay short-term obligations. A current ratio that is in line with the industry average or slightly higher is generally considered acceptable. A current ratio that is lower than the industry average would indicate a higher risk of distress or default. A higher number is usually better. However, a very high current ratio compared to the industry average could be an indication of inefficient use of assets by management.

Debt/Capital Ratio: Debt-to-capital ratio is a company's total debt (interest-bearing debt + both short- and long-term liabilities) divided its total capital (interest-bearing debt + shareholders' equity). It is a measure of a company's financial leverage. All else being equal, the higher the debt-to-capital ratio, the riskier the stock.

However, this ratio can vary widely from industry to industry, the ideal amount of required debt being different. Some businesses are more capital intensive than others and typically require higher debt to finance their operations. So, a company's debt-to-capital ratio should be compared with the same for its industry.

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Net Margin: Net margin is calculated as net income divided by sales. It shows how much of each dollar in sales generated by a company translates into profit. For example, if a company's net margin is 15%, its net income is 15 cents for every \$1 of sales it makes.

A change in margin can reflect either a change in business conditions, or a company's cost controls, or both. If a company's expenses are growing faster than sales, its net margin will decline. However, different net margin rates are considered good for different industries, so it's better to compare net margin rates of companies in the same industry group.

Return on Equity: Return on equity (ROE) is calculated as trailing-12-month net income divided by trailing-12-month average shareholder equity (including reinvested earnings). This metric is considered a measure of how effectively management is using a company's assets to generate profits. For example, if a company's ROE is 10%, it creates 10 cents profits for every \$1 shareholder equity, which is basically the company's assets minus debt. A company's ROE deemed good or bad depends on what's normal for its peers or industry group.

Sales/Assets Ratio: The sales-to-assets ratio or asset utilization ratio or asset turnover ratio is calculated as a company's annual sales divided by average assets (average of assets at the beginning of the year and at the year's end). This metric helps investors understand how effectively a company is using its assets to generate sales. For example, a sales-to-assets ratio of 2.5 indicates that the company generated \$2.50 in sales for every \$1 of assets on its books.

The higher the sales-to-assets ratio, the better the company is performing. However, similar to many other ratios, the asset turnover ratio tends to be higher for companies in certain industries/sectors than in others. So, a company's sales-to-assets ratio should be compared with the same for its industry/sector.

Historical EPS Growth (3-5 Years): This is the average annual (trailing-12-month) EPS growth rate over the last 3-5 years. This metric helps investors see how a company's EPS has grown from a long-term perspective.

Note: There are many factors that can influence short-term numbers — a recession will reduce this number, while a recovery will inflate it. The longterm perspective helps smooth out short-term events.

Projected EPS Growth (F1/F0): This is the estimated EPS growth rate for the current financial year. It is calculated as the consensus estimate for the current fiscal year (F1) divided by the reported EPS for the last completed fiscal year (F0).

Current Cash Flow Growth: It measures the latest year-over-year change in operating cash flow. Cash flow growth tells an investor how quickly a company is generating inflows of cash from operations. A positive change in the cash flow is desired and shows that more 'cash' is coming in than going out.

Historical Cash Flow Growth (3-5 Years): This is the annualized change in cash flow over the last 3-5 years. The change in a longer period helps put the current reading into proper perspective. By looking at the rate, rather than the actual dollar value, the comparison across the industry and peers becomes easier.

Projected Sales Growth (F1/F0): This metric looks at the estimated sales growth for the current year. It is calculated as sales estimate for the current fiscal year (F1) divided by the reported sales for the last completed fiscal year (F0).

Like EPS growth, a higher rate is better for sales growth. A look at a company's projected sales growth instantly tells you what the outlook is for their products and services. However, different sales growth rates are considered good for different industries, so it's better to compare sales growth rates of companies in the same industry group.

EPS F1 Estimate 1-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past week. The change in a company's consensus EPS estimate (or earnings estimate revision) has proven to be strongly correlated with the near-term price movement of its shares. It is an integral part of the Zacks Rank.

If a stock's consensus EPS estimate is \$1.10 now versus \$1.00 a week ago, that will be reflected as a 10% upward revision. If, on the other hand, it went from \$1.00 to 90 cents, that would be a 10% downward revision.

EPS F1 Estimate 4-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past four weeks.

A stock's earnings estimate revision in a 1-week period is important. But it's more meaningful to look at the longer-term revision. And, of course, the 4-week change helps put the 1-week change into proper perspective.

EPS F1 Estimate 12-Week Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal year over the past 12 weeks

This metric essentially shows how the consensus EPS estimate has changed over a period longer than 1 week or 4 weeks.

EPS Q1 Estimate Monthly Change: The percentage change in the Zacks Consensus EPS estimate for the current fiscal quarter over the past four weeks

While the revision in consensus EPS estimate for the current fiscal year is strongly correlated with the near-term price movement of its shares, the estimate revision for the current fiscal quarter is an important metric as well, especially over the short term, and particularly as a stock approaches its earnings date. If a stock's Q1 EPS estimate decreases ahead of its earnings release, it's usually a negative sign, whereas an increase is a positive sign.