

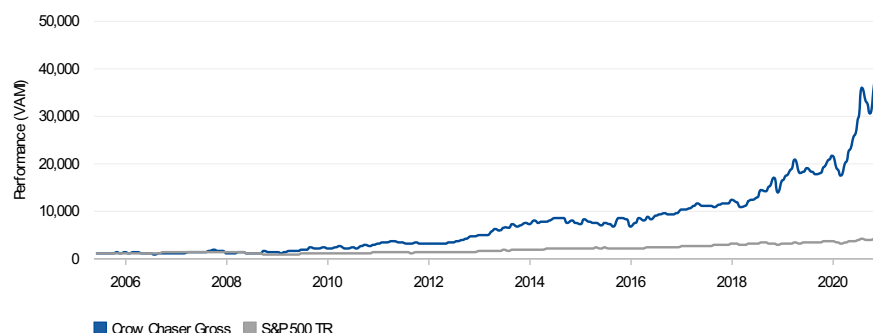
Last Month	YTD
<b>9.97%</b>	<b>98.23%</b>
1 Yr	4 Years
<b>98.23%</b>	<b>331.57%</b>

**STRATEGY SUMMARY**

**Crow Chaser Composite:** Crow Chaser is an Equity Long/Short/Cash program, based on 17 market indicators from four disciplines; Momentum - Seasonal Timing - Sentiment - Trend. The composite is traded approximately 20 times per year, depending on market action. Mutual funds designed to track a 2X performance of the Nasdaq 100 Index are used. Inverse funds are also used. The strategy is volatile and high drawdowns along with high standard deviations are expected. The benchmark is the S&P 500. The Crow Chaser Composite was created July 2005.

**INVESTMENT SUMMARY**

Company	Scarecrow Advisors
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Email	lenfox@scarecrowtrading.com
Website	www.scarecrowadvisors.com

**MONTHLY PERFORMANCE OF \$1,000**


	3M	1 Yr	3 Yrs	5 Yrs
Crow Chaser Gross	25.49%	98.23%	255.08%	402.41%
S&P 500 TR	12.15%	18.40%	48.87%	103.05%

**RETURN STATISTICS**

Last Month	9.97%
24 Months ROR	193.79%
60 Months ROR	402.41%
120 Months ROR	1318.70%
Annualized Return	27.08%
Winning Months (%)	63.44%
Alpha	1.34
Active Premium	17.13
Up Capture Ratio	175.92
Down Capture Ratio	103.32

**RETURN STATISTICS**

Sharpe Ratio	0.90
Sortino Ratio	1.35
Maximum Drawdown	-41.56%
Correlation vs S&P 500	0.57
Standard Deviation monthly	9.37
Downside Deviation	5.18
Beta	1.24
VaR Historical	-13.19
Average Losing Month	-6.84%
Average Winning Month	7.74%

**MONTHLY PERFORMANCE**

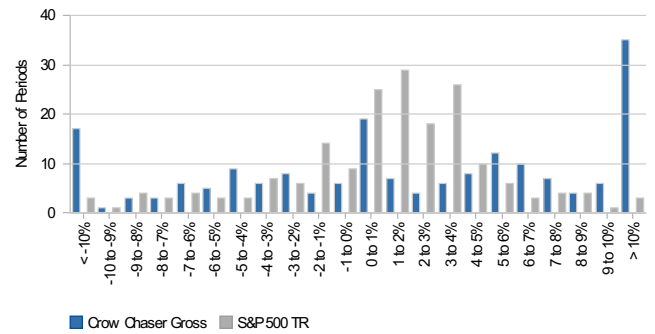
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year	S&P 500 TR
2020	4.66	-13.19	-7.86	17.49	12.47	12.59	14.70	21.23	-8.79	-6.47	22.01	9.97	<b>98.23</b>	<b>18.40</b>
2019	17.90	5.54	7.68	10.61	-12.75	1.09	4.35	-4.13	-2.82	0.44	7.89	7.62	<b>48.21</b>	<b>31.49</b>
2018	5.50	-2.70	-8.15	0.53	11.01	1.85	3.02	11.70	-0.83	6.25	13.52	-18.05	<b>20.86</b>	<b>-4.38</b>
2017	8.05	-0.08	3.34	3.43	5.62	-5.07	0.76	0.04	-3.88	6.33	1.20	0.75	<b>21.54</b>	<b>21.83</b>
2016	-19.09	12.41	13.60	-6.51	9.48	-4.99	10.29	1.87	4.06	-3.21	0.44	1.93	<b>16.41</b>	<b>11.96</b>
2015	-4.49	14.71	-5.77	-4.43	0.58	-8.02	8.63	-2.60	-7.27	24.68	0.77	-3.49	<b>8.61</b>	<b>1.38</b>
2014	-4.11	10.25	-5.57	3.66	0.29	4.49	5.35	0.78	-1.81	-11.73	6.49	-4.97	<b>0.99</b>	<b>13.69</b>
2013	5.84	2.15	1.48	15.82	5.45	-4.96	12.75	-0.73	9.46	-5.15	4.85	5.89	<b>64.28</b>	<b>32.39</b>
2012	-0.23	0.96	2.27	0.95	-2.25	10.71	1.77	5.80	6.70	7.67	9.59	-1.43	<b>50.39</b>	<b>16.00</b>
2011	4.53	7.16	0.14	6.97	4.50	-6.55	-5.13	-2.24	-3.26	8.04	-6.01	-2.40	<b>4.20</b>	<b>2.11</b>
2010	-12.90	0.91	15.73	5.09	-14.92	-9.12	14.43	-10.29	27.22	6.81	-3.28	9.57	<b>22.20</b>	<b>15.06</b>
2009	-6.87	-11.21	10.68	26.42	6.11	-2.42	14.24	5.41	18.28	-10.57	8.13	10.50	<b>82.34</b>	<b>26.46</b>
2008	-23.18	-10.67	7.13	14.95	11.68	-22.28	-2.34	0.13	0.12	43.49	-14.17	2.74	<b>-9.13</b>	<b>-37.00</b>
2007	2.87	3.73	-4.67	15.29	5.96	0.00	-1.15	4.72	12.58	12.44	-13.87	-1.13	<b>38.68</b>	<b>5.49</b>
2006	5.60	-7.34	9.84	-0.95	-14.31	6.30	-13.72	-6.20	7.17	6.00	0.33	0.88	<b>-9.75</b>	<b>15.80</b>
2005							0.20	3.28	-4.11	12.71	6.03	-3.76	<b>14.13</b>	<b>5.77</b>

# CROW CHASER GROSS

## ROLLING RETURN REPORT %

Period	Best	Worst	Average	Median	Last
3 Months	56.56	-34.58	7.02	6.51	25.49
6 Months	90.62	-29.60	14.06	12.79	59.16
1 Year	115.90	-31.23	28.01	22.94	98.23
3 Years	255.08	-3.90	103.14	101.40	255.08
5 Years	633.39	87.57	227.16	193.34	402.41
10 Years	1684.73	448.23	898.51	822.98	1318.70

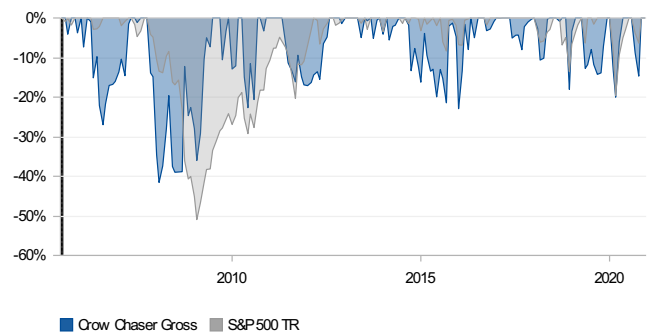
## DISTRIBUTION OF MONTHLY RETURNS



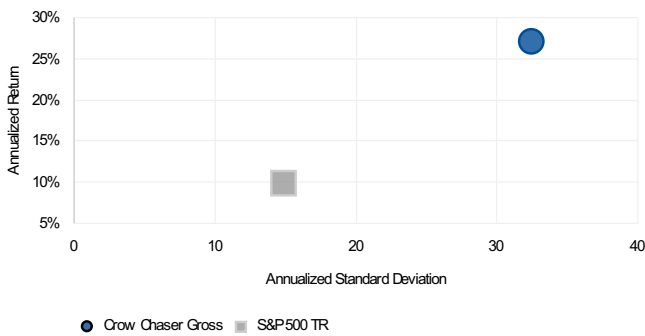
## DRAWDOWN REPORT

No.	Depth (%)	Length (Months)	Recovery (Months)	Start date	End date
1	-41.56	4	17	11/2007	07/2009
2	-26.98	5	9	04/2006	05/2007
3	-22.92	17	4	09/2014	05/2016
4	-22.68	2	3	05/2010	09/2010
5	-20.01	2	2	02/2020	05/2020

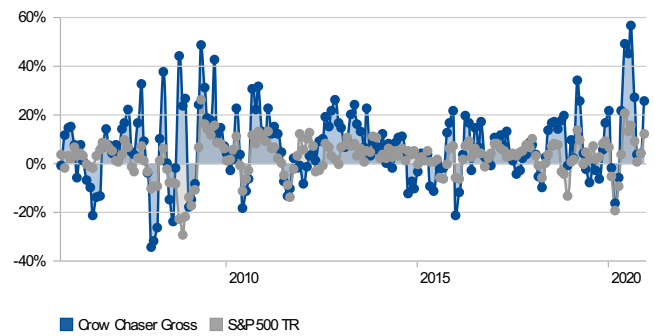
## DRAWDOWN



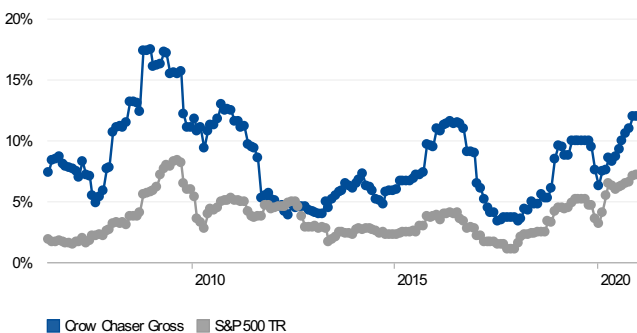
## RISK/RETURN COMPARISON



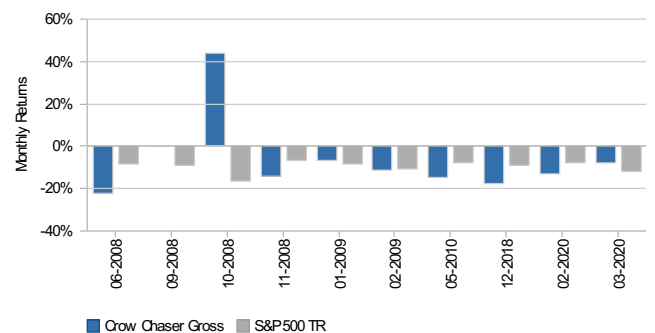
## 3 MONTHS ROLLING ROR



## VOLATILITY (12 MONTHS ROLLING)



## DOWN CAPTURE VS. S&P 500 TR



# CROW CHASER GROSS

## DISCLAIMER

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Scarecrow Trading Incorporated ("STI") is a Registered Investment Advisor in the State of Minnesota in accordance with Minnesota Statute 80A. A listing of composite descriptions is available upon request.

STI claims compliance with the Global Investment Performance Standards (GIPS®) and has prepared and presented this report in compliance with the GIPS standards. STI has been independently verified for the periods July 1, 2005 through August 31, 2018. The verification report is available upon request. Verification assesses whether (1) the firm has complied with all the composite construction requirements of the GIPS standards on a firm-wide basis and (2) the firm's policies and procedures are designed to calculate and present performance in compliance with the GIPS standards. Verification does not ensure the accuracy of any specific composite presentation.

Results are based on fully discretionary accounts under management, including those accounts no longer with the firm. Composite and benchmark performance included dividends, interest income, and capital gains. Past performance is not indicative of future results. The composite is comprised of all non fee paying accounts. Composite dispersion is not presented since the composite contained five or fewer accounts for all years.

The U.S. Dollar is the currency used to express performance. Returns are presented gross and net of management fees and include the reinvestment of all income. The annual composite dispersion presented is an asset-weighted standard deviation calculated for the accounts in the composite the entire year. Policies for valuing portfolios, calculating performance, and preparing compliant presentations are available upon request.

The preceding illustration for the Scarecrow Trading programs represents a combination of Scarecrow Trading strategies based on a rules-based decision tree. Indicators designed and maintained by Scarecrow Trading determine the allocation to the various Scarecrow Trading strategies.

No representation is being made that any account will or is likely to achieve profits or have losses similar to those shown. In fact, there may be frequent sharp differences between the historical performance record and actual client results.

Performance results illustrated are GROSS. Performance results are gross of custodian costs and do not consider the impact of taxes.

Historical trading does involve risk and may reflect the impact that any material market or economic factor may have on Scarecrow Trading's decision making. Since all trades are actually executed, the performance record will represent the impact, if any, of certain market factors (e.g. lack of liquidity, trading costs, etc.). The conditions, objectives or investment strategies may have changed materially during the time period, or after the time period, portrayed in this performance record, and the effect of such change is portrayed in the performance record.

There is no guarantee that future portfolio management or strategy selection decisions will mirror this performance record. The investment strategies followed may only partially relate to the type of services currently offered by Scarecrow Trading. The assets utilized in this performance record may be different from the assets utilized by Scarecrow Trading when trading actual client accounts (e.g. the performance record may include some assets that Scarecrow Trading no longer has access to or recommends to its clients).

The performance of different assets varies widely. As a result, actual client account results may vary widely from those shown in this performance record. There are numerous other factors related to the markets in general or to the implementation of any specific strategy which cannot be fully accounted for in the preparation of this historical performance record, all of which can adversely affect results when actually managing client assets.

Information pertaining to Scarecrow Trading's advisory operations, services, and fees is set forth in Scarecrow Trading's current disclosure statement, a copy of which is available from Scarecrow Trading upon request. Performance results have been compiled solely by Scarecrow Trading and have been independently verified by Theta Research. Scarecrow Trading will provide passes to Theta Research upon request. Theta Research maintains all information supporting the performance results.

Past performance may not be indicative of future results.