

# Risk Parameter Updates for YFI and SUSHI

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- ID: 98
- Proposer: [0x683a4F9915D6216f73d6Df50151725036bD26C02](#)
- Start Block: 14529419 (4/5/2022, 9:27:28 PM ET)
- End Block: 14549129 (4/8/2022, 11:29:51 PM ET)
- Targets: [0x3d9819210A31b4961b30EF54bE2aed79B9c9Cd3B](#) ;  
[0x3d9819210A31b4961b30EF54bE2aed79B9c9Cd3B](#)

## Forum Post

Forum post is present here: [Forum Post](#)

## Table of contents

- [Proposal Text](#)
- [Checks](#)
  - [Checks Compound Proposal Details](#)  Passed

## Proposal Text

### ***Risk Parameter Updates for YFI and SUSHI***

#### ***Simple Summary***

A proposal to adjust two (2) parameters for two (2) Compound assets.

#### ***Background***

This proposal is a batch update of risk parameters to align with the [Moderate risk level](#) chosen by the Compound community. These parameter updates are the ninth of Gauntlet's regular parameter recommendations as part of [Dynamic Risk Parameters](#).

[Full proposal and forum discussion](#)

#### ***Motivation and Specification***

This set of parameter updates seeks to maintain the overall risk tolerance of the protocol while making risk trade-offs between specific assets.

Our parameter recommendations are driven by an optimization function that balances 3 core metrics: insolvencies, liquidations, and borrow usage. Our parameter recommendations seek to optimize for this objective function. For more details, please see [Gauntlet's Parameter Recommendation Methodology](#) and [Gauntlet's Model Methodology](#).

Parameter	Current Value	Recommended Value
YFI Collateral Factor	65%	70%
SUSHI Collateral Factor	65%	70%

## Dashboard

Gauntlet has launched the [Compound Risk Dashboard](#). The community should use the Dashboard to better understand the updated parameter suggestions and general market risk in Compound.

Value at Risk represents the 95th percentile **insolvency value** that occurs from simulations we run over a range of volatilities to approximate a tail event.

Liquidations at Risk represents the 95th percentile **liquidation volume** that occurs from simulations we run over a range of volatilities to approximate a tail event.

Even though these changes result in less than 1 bp of increased Borrow Usage given the current TVLs, they will improve long-term capital efficiency as the protocol grows and more users supply YFI and SUSHI.

## Value At Risk

Value at Risk conveys the capital potentially at risk due to insolvencies when markets are under duress (i.e. high volatility). The below metric is the 95th percentile insolvency value that occurs from simulations we run over a range of volatilities to approximate a tail event. While we aim to keep this number low, it may increase after Gauntlet Recommendations when there is an opportunity to increase Capital Efficiency (as measured by Borrow Usage). **Note that VaR is sensitive to model inputs and can change day to day.** This is due to changes in volatility, user borrow positions, asset correlation structure, and the nature of the statistic (being a long tail approximation). See [this](#) post for more detail on the metric.



## Liquidations At Risk

Liquidations at Risk conveys the amount of capital potentially at risk for liquidation when markets are under duress (i.e. high volatility). This metric (similar to VaR) is the 95th percentile liquidation volume that occurs from simulations we run over a range of volatilities to approximate a tail event. We note that while liquidations can affect borrower UX, **healthy liquidations are a critical part of a capitally efficient protocol.** The below numbers may seem large, however, this is meant to capture a 'catastrophic' tail scenario where many liquidations must occur in order to ensure the ongoing operation of the protocol. See [this](#) post for more detail on the metric.



## Borrow Usage

This metric provides information about how aggressively suppliers of collateral borrow against their supply. This is a measure of capital efficiency and gives a sense of how borrows behave relative to supply. More details on the computation of this metric can be found [here](#). All else being equal, we seek to maximize Borrow Usage



## Checks

### Checks Compound Proposal Details ✔ Passed

Info:

- 1- ● Set [cYFI](#) collateral factor from 40% to 70% (It's getting **increased** by 30%)
- 2- ● Set [cSUSHI](#) collateral factor from 32% to 70% (It's getting **increased** by 38%)