# BO Reflexivity Regime

*Auto-promoted from KYM truth/atlas. Operator: refine.*

David Stendahl · Market Lab Analytics · November 7, 2026

## What this signal is

Auto-promoted from KYM truth/atlas. Operator: refine. The composite is bounded between minus one and plus one through tanh. On 1990-01-03 it reached its series maximum plus 1.000 and on 2023-05-10 its series minimum minus 0.999. Today the composite reads near +0.08. See live page for current state.

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## How the inputs compose

Auto-promoted from KYM truth/atlas. Operator: refine. The engine also computes four confirming features: five-day velocity, 60-day volatility regime, 60-day correlation with soybean-oil returns, 63-day lag-1 autocorrelation.

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## What the state-conditional returns have actually done

The soybean-oil forward-60-day return baseline (unconditional) is mean plus 1.55 percent, median plus 0.28 percent.

> **Reference baseline (9,219 soybean-oil-aligned forward-60-day windows over the live engine window)**
>
> Soybean-oil forward-60-day return baseline: mean plus 1.55 percent, median plus 0.28 percent. Phase 0 source: Z8337 engine parquet joined with CBOT soybean-oil back-adjusted continuous closes.

Reflexivity regime positive (Phase +1), 4,028 trading days, returned on average minus 0.76 percent.

Normal (Phase +0), 1,784 trading days, returned on average plus 3.32 percent.

Reflexivity regime negative (Phase −1), 3,429 trading days, returned on average plus 1.12 percent.

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## Three cases that frame how to read the signal

### Case 1: 1990-01 composite series maximum

On 1990-01-03 the composite reached its series maximum plus 1.000. Soybean-oil subsequent 60-day behavior aligned with the reflexivity regime positive regime pattern.

### Case 2: 2023-05 composite series minimum

On 2023-05-10 the composite reached its series minimum minus 0.999. Soybean-oil subsequent 60-day behavior aligned with the reflexivity regime negative regime pattern.

### Case 3: May 2021 palm supply shock window

The May 2021 Malaysia palm labour crunch tightened global vegetable-oil balances; many soybean-oil signals revalued during the window.

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## How to use the signal today

This is a regime detector on a 60-day forward horizon. Three best uses. First, as a regime filter for soybean-oil exposure (Phase +1 equals reflexivity regime positive). Second, as a cross-check against price-momentum and vegetable-oil cross-market signals. Third, as a transition-window warning, pairing with price-based signals for conviction.

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## Methodology notes

Auto-promoted from KYM truth/atlas. Operator: refine. The 1989 start reflects the earliest reliable source coverage.

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## What this signal does not cover

Four caveats. The signal is a regime detector, not a timing signal. State-conditional means hold on average, not for every individual window. Regime persistence varies with growing-season, biofuel-policy, and macroeconomic backdrop. Individual regime windows can run longer or shorter than mean sample. State-conditional edges are backward-looking empirical averages. Future regimes may differ. The baseline is CBOT soybean-oil back-adjusted continuous (BO_1210BD).

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*Not investment advice. Signal readings and empirical statistics are derived from publicly available data sources. (c) 2026 David Stendahl.*