

CASE STUDY 2: AUSTRALIAN PREMIUM WINE EXPORTER

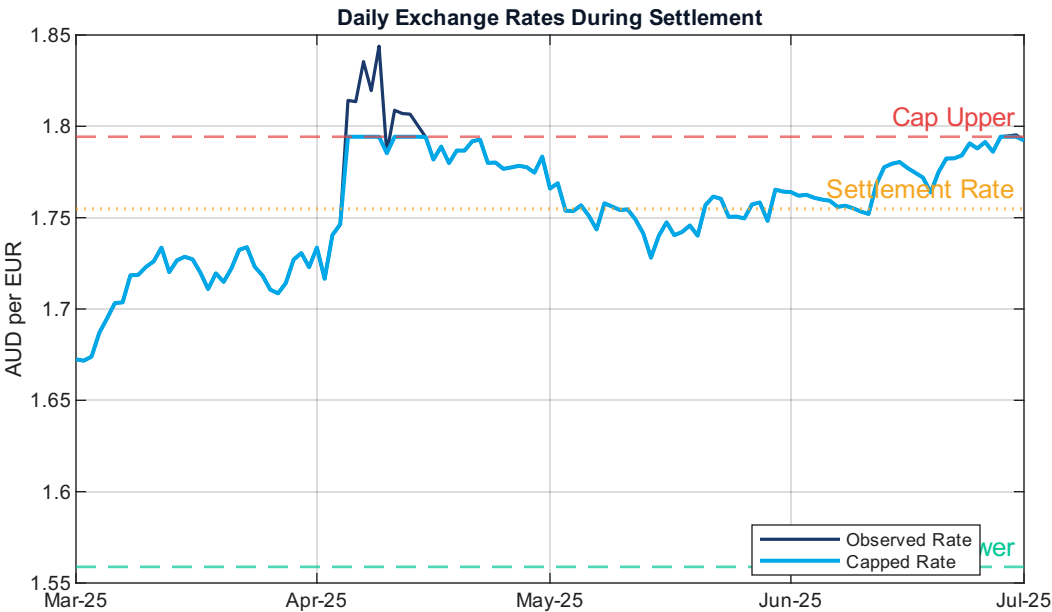
A Barossa Valley winery exports EUR 250,000 worth of premium wine to a German distributor, with settlement over 120 days.

Currency Pair
EUR / AUD

Contract Period
Mar 2025 to Jul 2025

Notional Value
EUR \$250,000

Industry
Agriculture & Wine



KEY METRICS	
Spot Rate at Inception	1.6724
Cap Upper Bound	1.7943
Cap Lower Bound	1.5588
Settlement Rate (Capped Avg)	1.7548
Annualised Volatility	5.2%
Forecast Risk Reduction	76.1%
Days Cap Activated	12 / 123
Actual Vol Reduction	8.6%

FINANCIAL IMPACT (AUD)

FairTradeFX Settlement	Uncapped Average	Worst-Case Single Day	Best-Case Single Day
AUD \$438,707	AUD \$439,118	AUD \$460,968	AUD \$417,927

Protection vs Worst-Case: AUD \$22,261 saved

Methodology:

FairTradeFX uses a GARCH(1,1) volatility model fitted to 720 days of historical exchange rate data sourced from XE.com. The model forecasts conditional volatility over the contract horizon and establishes 95% confidence bands that serve as immutable cap and floor rates.

During the settlement period, each daily observed rate is clipped to the cap bounds before being included in a running average. The final settlement rate is the mean of all capped daily rates, providing dual protection: (1) daily cap limits protect against extreme single-day moves, and (2) averaging across the full period smooths residual volatility within the bands.

All figures in this case study are back-calculated using actual historical market rates — not simulations.