NEDSPICE

PEPPER CROP REPORT



14th November 2024,

Shanghai

Ha Phuong Minh

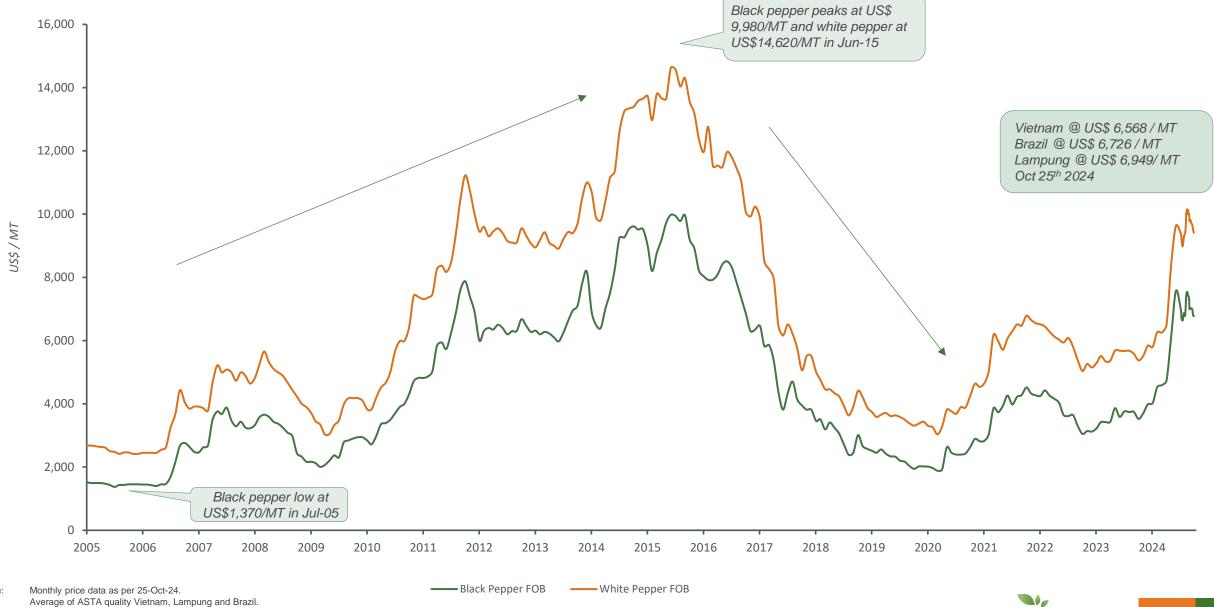








The long-term price cycle of pepper











Key Pepper Growing Regions

Others

Cambodia

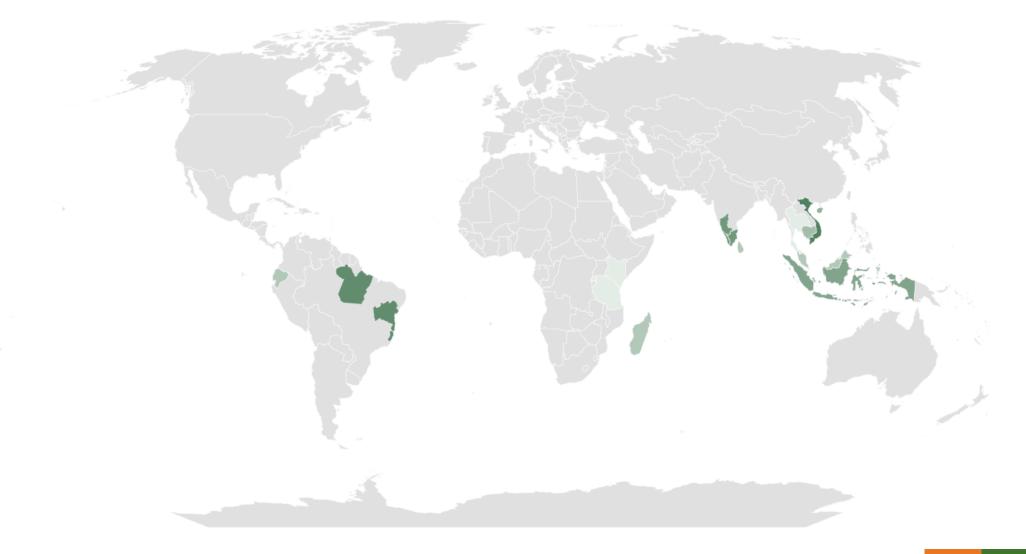
China

Indonesia

India

Brazil

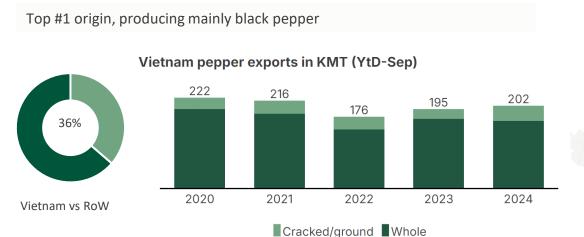
Vietnam



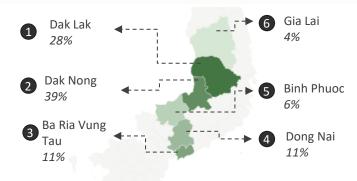


Vietnam

The largest processor and exporter of black and white pepper, limited new plantings past five years

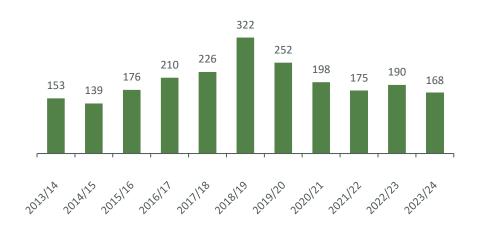


Production per key area



Change in planted area (ha) ---- Planted area ---- Yielding area Gap to planted area 160,000 125,000 90,000 55,000 20,000

Production over time (KMT)









Vietnam

Early expectation for 2025 crop is positive vs 2024, but well below historical volume

In previous years pepper was replaced by other crops, this year replanting





Crop development 2023/2024 season





Death ratio

7%

New planting

16%

176 KMT

72,500 ha

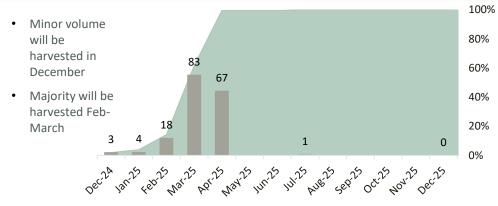
2.2 MT/ha

Production volume

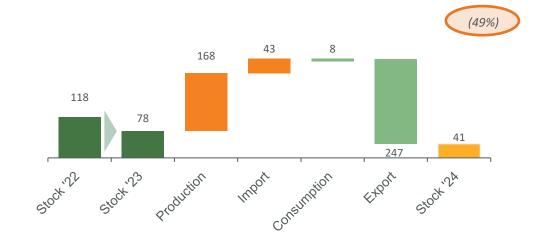
Total yielding area

Yield forecast

Crop arrivals 2024/25 season (KMT)



Stock development¹ (KMT)





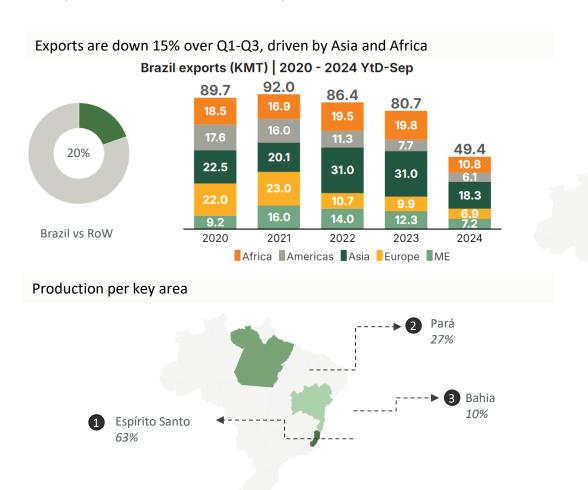


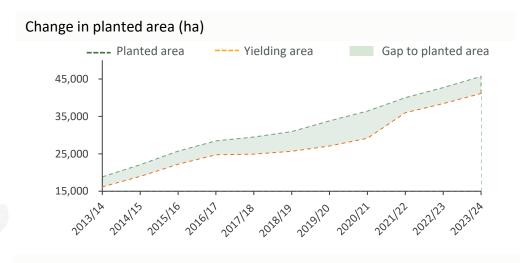




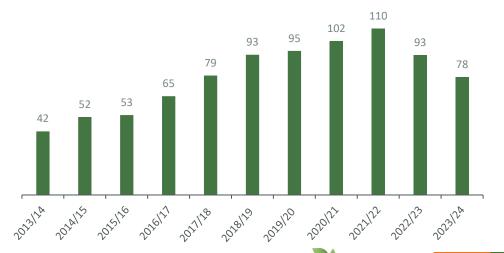
Brazil

Crop volume affected by adverse weather in recent years





Production over time (KMT)









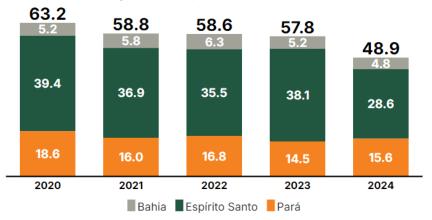




Brazil

Droughts and high temperatures damaged the crop in Brazil

Brazil exports (KMT) | YtD-Sep by main provinces



Crop development 2023/2024 season



21% Death ratio

25%

New planting

78 KMT

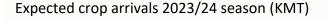
-16%

39,600 ha

2.1 MT/ha

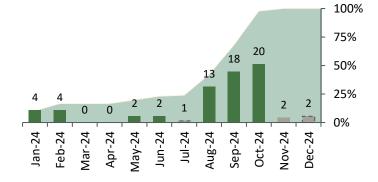
Yield forecast

Production volume Total yielding area

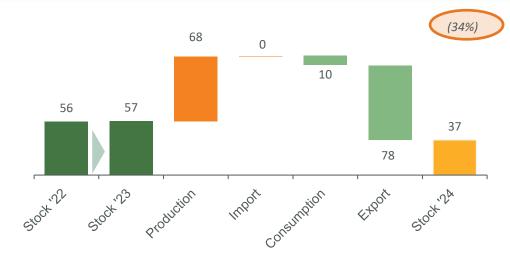








Stock development¹ (KMT)











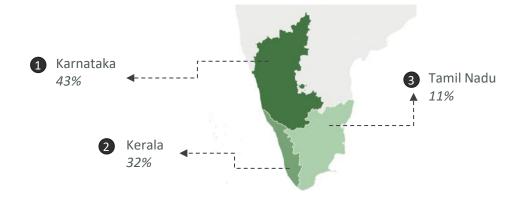
Based on 2023/24 production estimates. As per end of December.

India

The crop size is relatively stable | expected lifetime of the vines is > 20 years



Production per key area

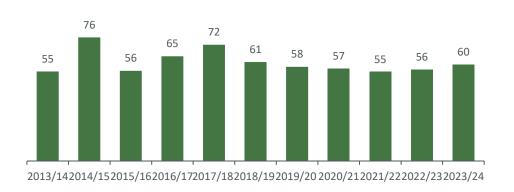


Change in planted area (ha) ---- Planted area 170,000 140,000 110,000 80,000

2013/14 2014/15 2015/16 2016/17 2017/18 2018/19 2019/20 2020/21 2021/22 2022/23

Production over time (KMT)

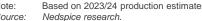
50,000













India

Favorable conditions positively impacted the 2024 crop

Tall vines, also intercropping with coffee in some areas







Crop development 2023/2024 season





+6%

5% Death ratio

5% New planting

0.55 MT/ha

108,000 ha

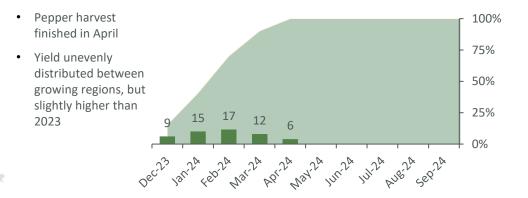
Production volume

60KMT

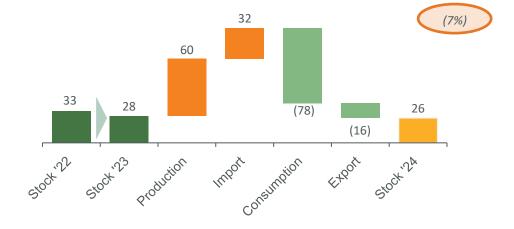
Total yielding area

Yield forecast

Crop arrivals 2023/24 season (KMT)



Stock development¹ (KMT)





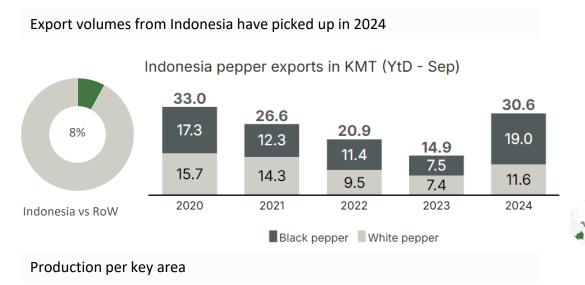


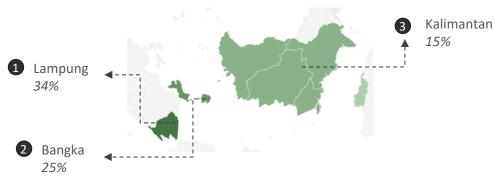




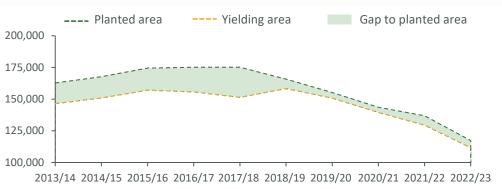
Indonesia

Production has come down over the last four years but partly recovered in 2024

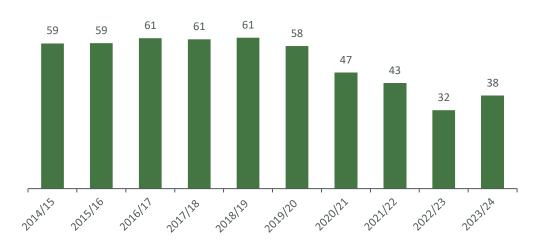




Change in planted area (ha)



Production over time (KMT)











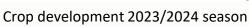


Based on 2023/24 production estimates.

Indonesia

Production recovered vs 2023, but not close to historical figures







9% Death ratio

12%

New planting

38 KMT

+27%

111,000 ha

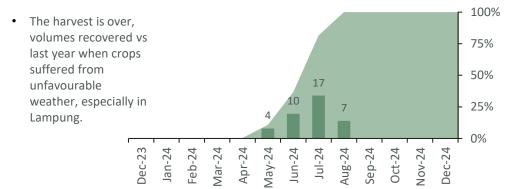
0.3 MT/ha

Production volume

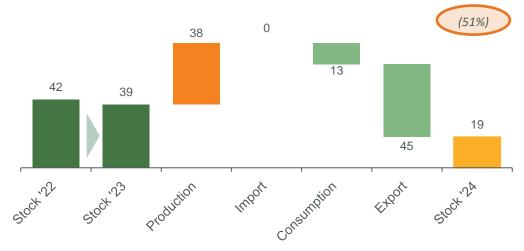
Total yielding area

Yield forecast

Crop arrivals 2023/24 season (KMT)



Stock development¹ (KMT)







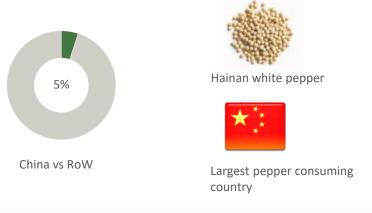




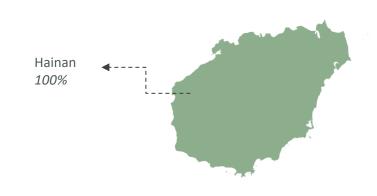
China

China produces almost exclusively white pepper, grown on the southern island of Hainan

The largest consuming country in the world

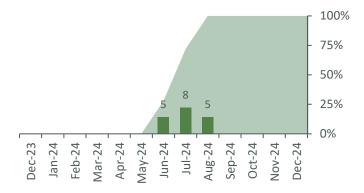


Production per key area

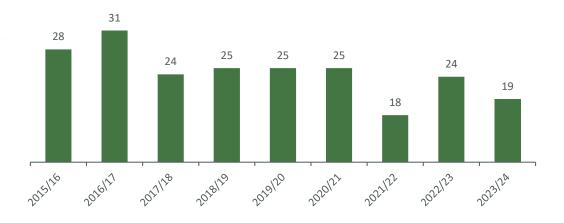


Crop arrivals 2023/24 season (KMT)

 The harvest finished in August, with a 15% smaller crop. A few weeks later, the growing areas were hit by a typhoon. It's expected that the 2025 crop will be smaller again.



Production over time (KMT)











Quarterly exports from Vietnam (MT) to RoW

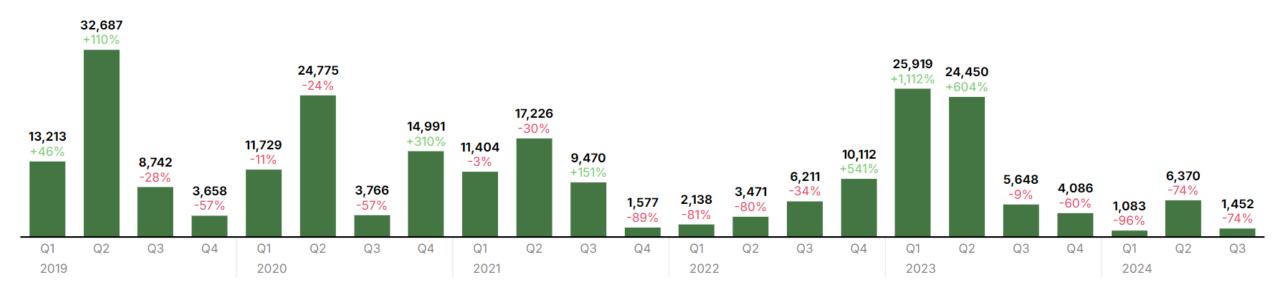








Quarterly exports from Vietnam (MT) to China





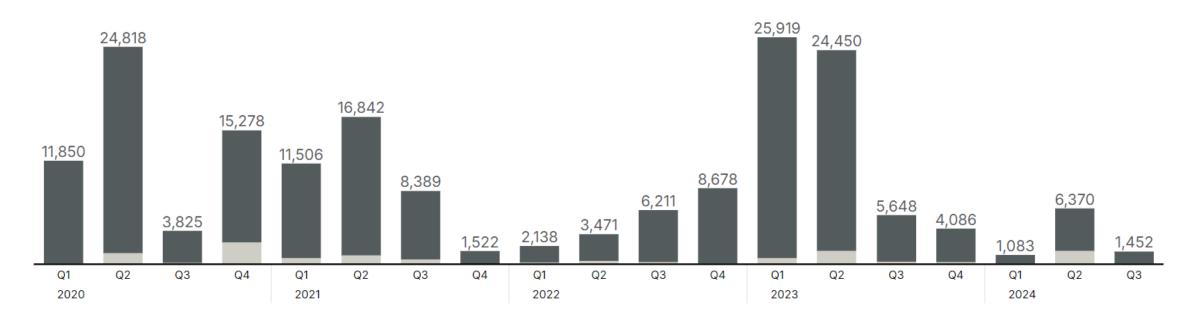




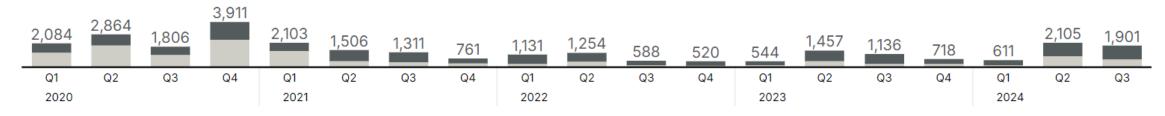


Buying pattern China in Vietnam and Indonesia (exports)

Vietnam quarterly exports to China in MT



Indonesia quarterly exports to China in MT



■ Black pepper White pepper

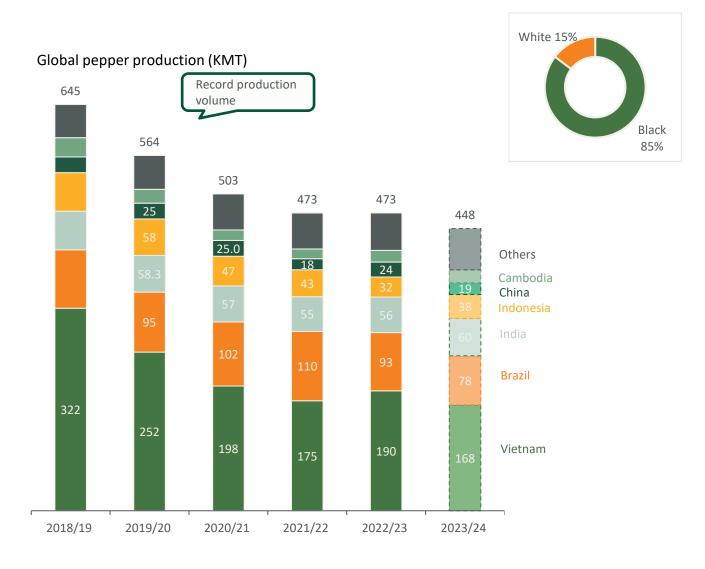




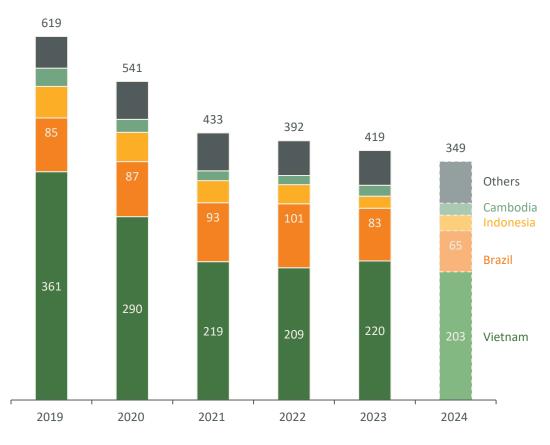




Total global production is on a downward trend, with around 449KMT expected for 2024







Include imports and exports within producing countries.

Source: Nedspice research.



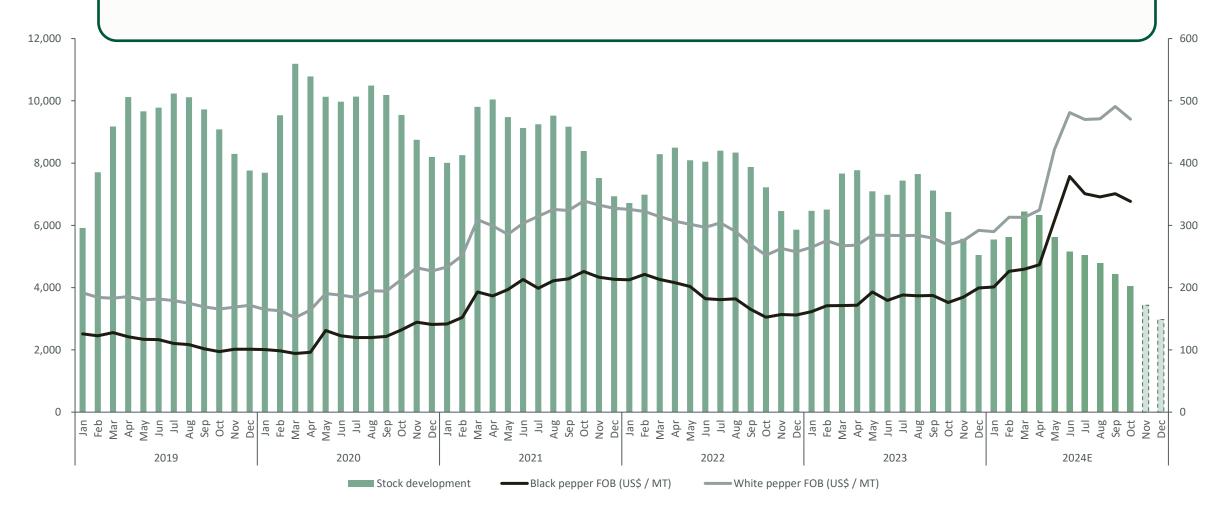






Stock development at origin and prices

Stocks at origins have been on a downward trend since 2020, one year after production peaked in Vietnam.



Note: Source onthly price data as per 25-Oct-24







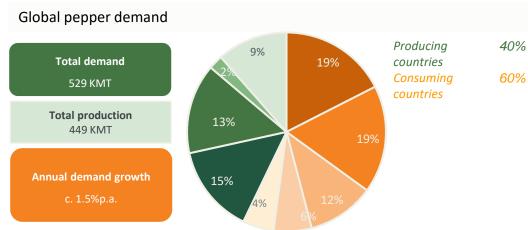


Demand remains resilient, at c. 529 KMT currently, global stocks have decreased and are below annual demand

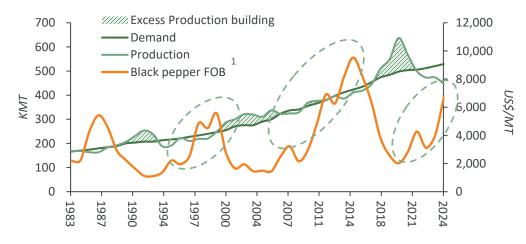
Global stock development (KMT)

Producing countries

Consuming countries



Annual production has moved below overall demand

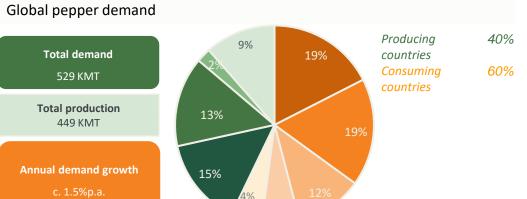


Nedspice research.



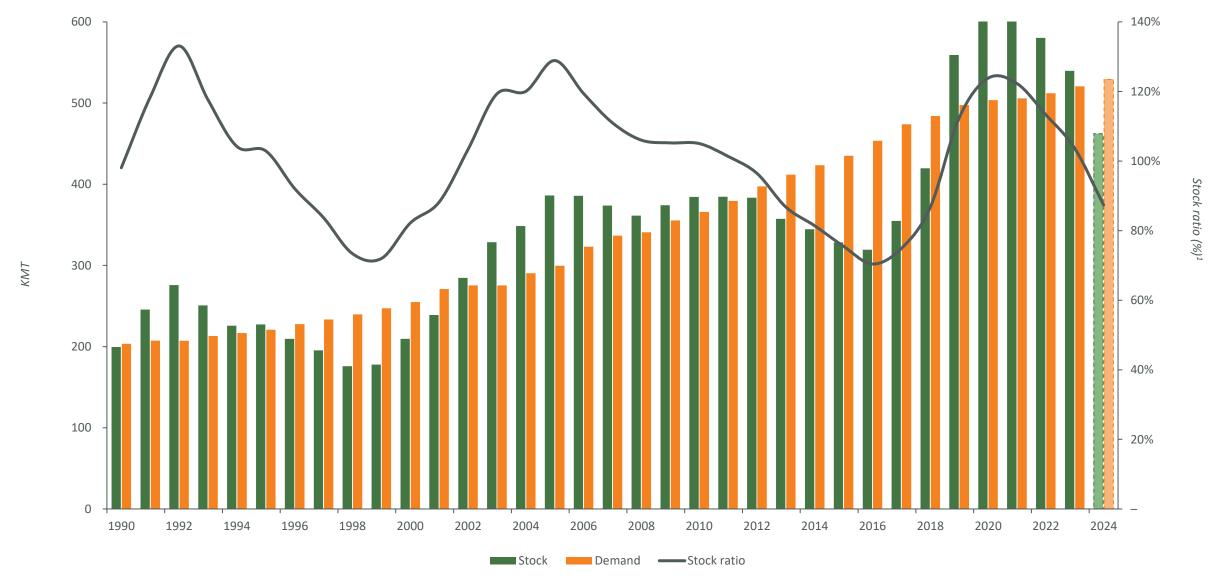


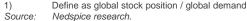




Market price as per 25-Oct-24. Average of Vietnam, Indonesia and Brazil ASTA quality.

The stock ratio reversed direction, and prices are moving up.



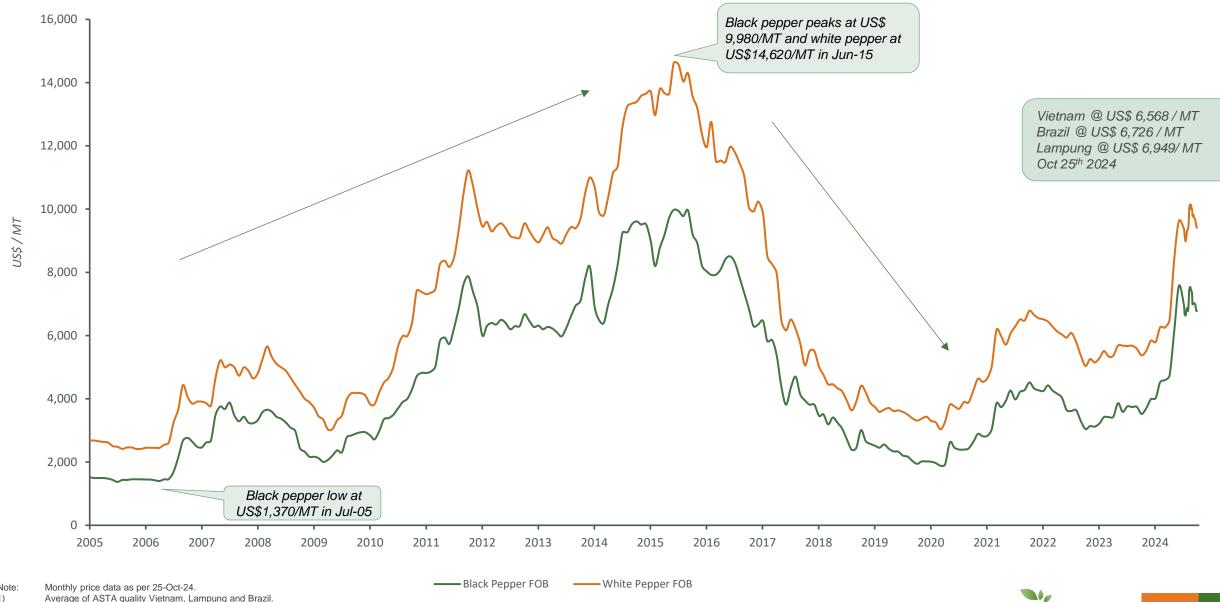








Returning to the price graph



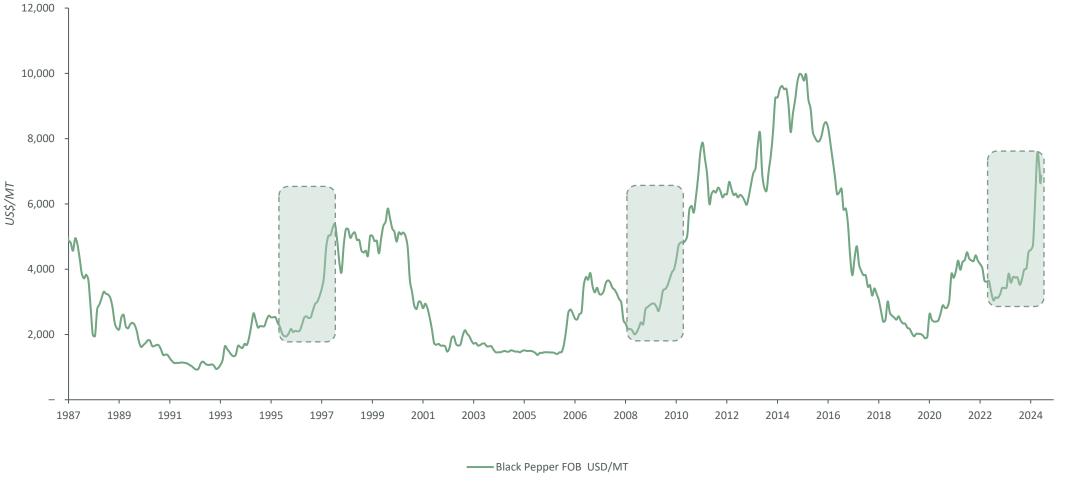








Will history repeat itself?



Average ASTA quality Vietnam, Brazil and Lampung.

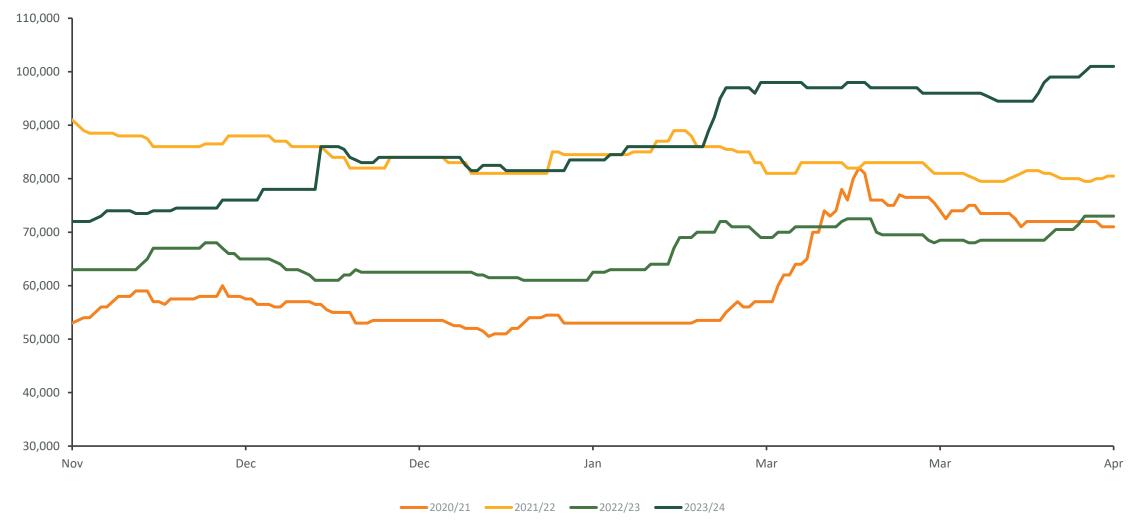




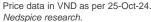




Price movement of black pepper in Vietnam from November to April, in 2020-2024

















Concluding summary

- Global production is estimated at 449KMT for the 23/24 season. Decreasing acreage in Vietnam and adverse weather in Brazil linked to El Niño are the main drivers.
- Increasing prices will encourage farmers to intensify their farming efforts, driving up yields per hectare over the coming years.
 - New plantings will take time to come to fruition however, so origins like Vietnam are unlikely show significant recovery soon. Nonetheless, the
 early signs for the 2025 crop in Vietnam are positive with the potential for good yields if weather conditions remain favorable.
 - Competing crops like coffee and durian are very profitable, undermining the incentive to start new pepper plantations.
 - Since the total acreage in Brazil increased in recent years, this origin has the potential for a large crop from 2025 onwards.
- Total production of c. 449KMT vs demand of c. 529KMT drives a further decrease in global stocks. Overall stocks are estimated to reach c. 468KMT, below yearly global demand.







NEDSPICE

Thank you for your attention

14th November 2024

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