



# ABOUT REPORT

ust over 1 month left until the end of 2021, a year of economic and political turmoil due to the impact of the global Covid-19 pandemic. Accordingly, the pepper market is not an exception to this impact. How does the pepper crop in 2022 tend to change? Forecast output, price level, supply - demand will be like?

Based on aggregated documents from various sources, analyzing multi-dimensional perspectives from the main factors affecting the pepper market, PTEXIM has conducted the Report on the Vietnam and world pepper crop in 2022. Hope this is a valuable reference, providing useful information. The report is certainly not without short comings, we look forward to receiving your sincere comments so that we can continue to improve in the following reports.



















# TABLE OF CONTENT





- 1 Overview of the world's pepper crop size in 2021
- 2 Forecast of Vietnam's pepper crop in 2022
- 3 Analysis of factors affecting Vietnam's pepper crop in 2022
- 4 Forecast of the world pepper crop in 2022
- 5 Crop size consolidation



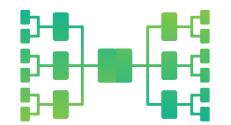
# TABLE OF CONTENT



1

# OVERVIEW OF THE WORLD'S PEPPER CROP SIZE IN 2021





# PEPPER CROP SIZE 2021 & EXPORT SITUATION



#### PEPPER CROP SIZE 2021 AND EXPORT SITUATION

COUNTRIES	CARRY OVER 2020	IMPORT	CROP 2021	DOMESTIC CONSUMPTION	QUANTITY AVAILABLE TO EXPORT 2021
<b>Brazil</b>	5,500	200	95,000	7,000	93,700
<b>Indonesia</b>	3,500	500	55,000	30,000	29,000
<b>Malaysia</b>	2,000	1,000	20,000	7,000	16,000
Sri Lanka	6,000	0	25,000	12,000	19,000
Cambodia	2,100	0	15,000	450	16,650
China	12,800	60,000	30,000	90,000	12,800
India	20,000	25,000	65,000	70,000	40,000
Thailand	1,000	4,500	4,500	8,500	1,500
Madagascar	1,000	0	3,500	1,500	3,000
<b>Ecuador</b>	700	0	5,000	1,000	4,700
<b>☑</b> Viet Nam	45,000	30,000	220,000	10,000	285,000
<u>Total</u>	<u>99,600</u>	<u>121,200</u>	<u>538,000</u>	<u>237,450</u>	<u>521,350</u> (MT)



#### FROM 1<sup>ST</sup> JAN 2021 - 31<sup>ST</sup> OCTOBER 2021

#### VIETNAM BLACK PEPPER PRICE CHART

From the beginning of 2021 until now, the price of pepper has increased by 63%. It is forecasted that the pepper price increase cycle will continue until 2022 & 2023 when the supply has been significantly shorted in the past time.



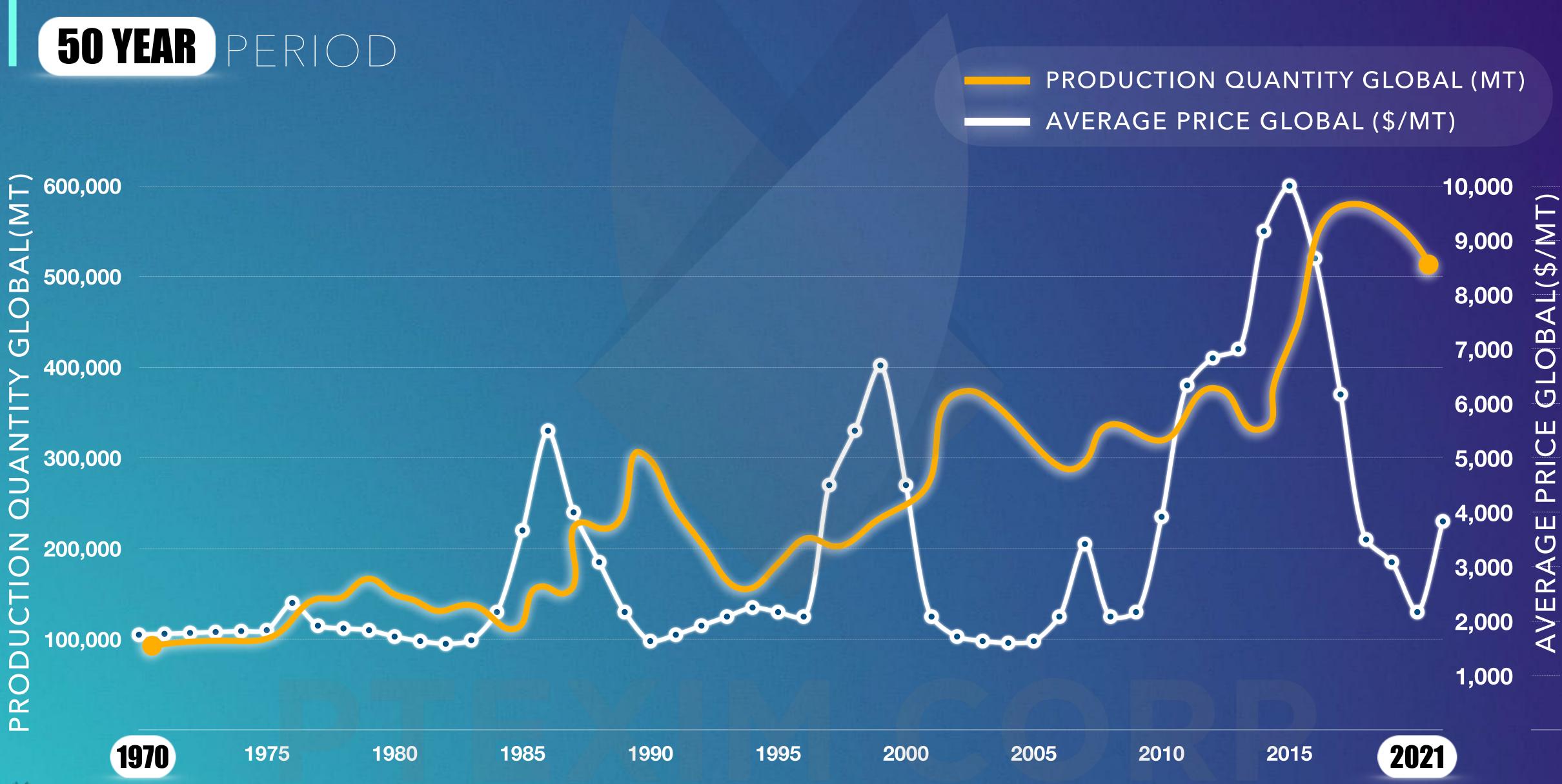
VNÐ/KG

1/1/21 1/15/21 1/29/21 2/12/21 2/26/21 3/12/21 3/26/21 4/9/21 4/23/21 5/7/21 5/21/21 6/4/21 6/18/21 7/2/21 7/16/21 7/30/21 8/13/21 8/27/21 9/10/21 9/24/21 10/8/21 10/22/21





#### BLACK PEPPER PRODUCTION QUANTITY & AVERAGE PRICE GLOBAL





2





# FORECAST OF VIETNAM'S PEPPER CROP IN 2022





#### PRODUCTION AREA & QUANTITY

# 130,655 HECTARES



#### **HARVESTING TIME**

(12,206 HA)

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC



#### **HARVESTING TIME**

(38,616 HA)

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC



#### **HARVESTING TIME**

(32,286 HA)

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC



#### HARVESTING TIME

**BINH PHUOC** 

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

(16,084 HA)



#### **HARVESTING TIME**

(16,725 HA)

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC



#### **HARVESTING TIME**

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC



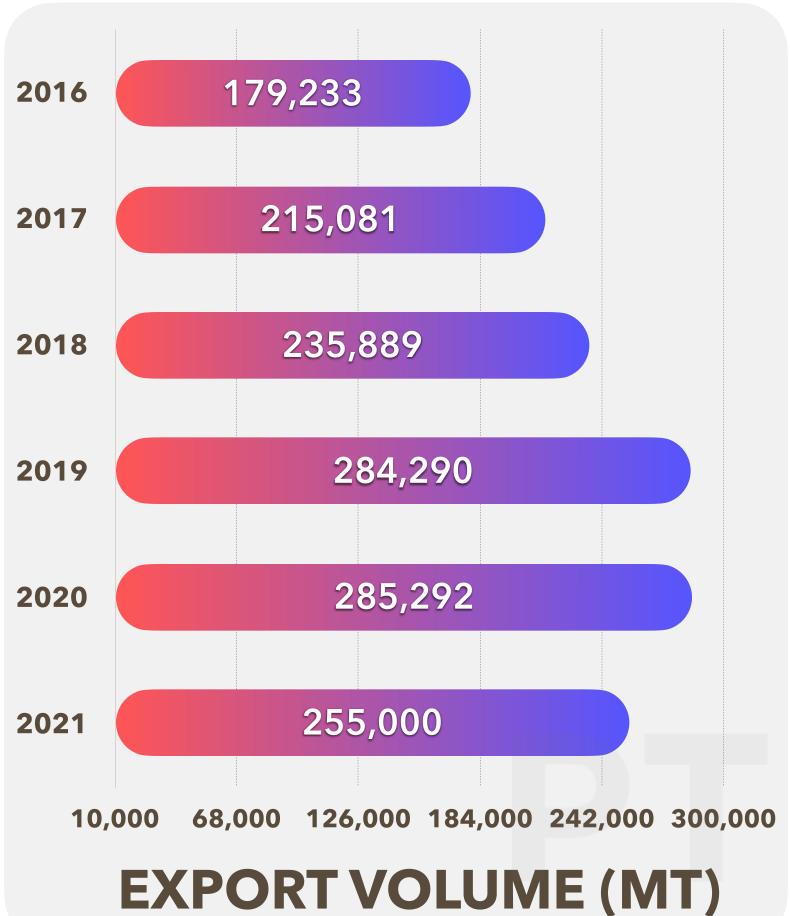
#### **HARVESTING TIME**

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC



#### EXPORT OF VIETNAM BLACK PEPPER INSIGHT

PERIOD 2016-2021















MANY EXPERTS PREDICT THAT VIETNAM'S PEPPER PRICE WILL INCREASE IN A RANGE OF 25 % - 30 % COMPARED TO 2021

30,000



CARRY OVER 2021

30,000



IMPORT FROM OTHER COUNTRIES TO REPROCESS AND REEXPORT



#### CARRY OVER & REDUCTION QUANTITY

**GIA LAI** 

PRODUCTION AREA

12,206 HA

**CARRY OVER** 

2%

**REDUCTION 2022 COMPARED TO 2021** 

**20%** 



PRODUCTION AREA

16,725 HA

**CARRY OVER** 

6%

**DONGNAI** 

**REDUCTION 2022 COMPARED TO 2021** 

24%



PRODUCTION AREA

38,616 HA

**CARRY OVER** 

**5**%

**COMPARED TO 2021** 

15%



PRODUCTION AREA

32,286 HA

**CARRY OVER** 

4%

**REDUCTION 2022 COMPARED TO 2021** 

12%





#### CARRY OVER & REDUCTION QUANTITY



PRODUCTION AREA

16,084 HA

**CARRY OVER** 

12%

**BINH PHUOC** 

**REDUCTION 2022 COMPARED TO 2021** 

15%



PRODUCTION AREA

11,038 HA

**CARRY OVER** 

**5**%

**REDUCTION 2022 COMPARED TO 2021** 

15%



**PRODUCTION AREA** 

2,000 HA

**PRODUCTION AREA** 

1,700 HA

**CARRY OVER** 

12%

**LAM DONG** 

**REDUCTION 2022 COMPARED TO 2021** 

30%

**QUANG TRI** 

**REDUCTION 2022 COMPARED TO 2021** 

**CARRY OVER** 

30%

0%

3



# ANALYSIS OF FACTORS AFFECTING VIETNAM'S PEPPER CROP IN 2022



#### FACTORS AFFECTING VIETNAM'S PEPPER CROP IN 2022 AT A GLANCE



Low prices in recent years makes farmers less take care of pepper plantations



The weather this year is not favorable. Rainfall is not uniform.



Farmer does not take care of pepper plantations and is affected by the rapid increase in fertilizer prices, many times main pepper area lockdown due to the pandemic.



Due to climate change, the harvest time will be slower than in previous years.



Production will continue to decrease next year.



# WEATHER - FARMING - FARMER (CO.)



The ASEAN Meteorological Center (**ASMC**) recently made a forecast that the winter of 2021-2022 will be **colder**, with severe cold, and early onset of **harmful cold**. Above-average **heavy rainfall** will make landfall in most of Southeast Asia.



Ms. Nguyen Thi Cuong - Central Highlands: "In general, in the year of **high** yielding work, the condition of this year's pepper plants is nutritionally reduced to the rate of left bad beans, affecting the rate of left bad beans productivity. It is expected that this year's harvest season (2021-2022) will be more than halved compared to the previous year's production (2020-2021)"

Mr. Vu Van Vuong - Farmer in South-east Province in Vietnam: "The case has better production capacity with regular remedial services and heavy rains in the area."





# SITUATION OF PEPPER PLANT IN VIETNAM







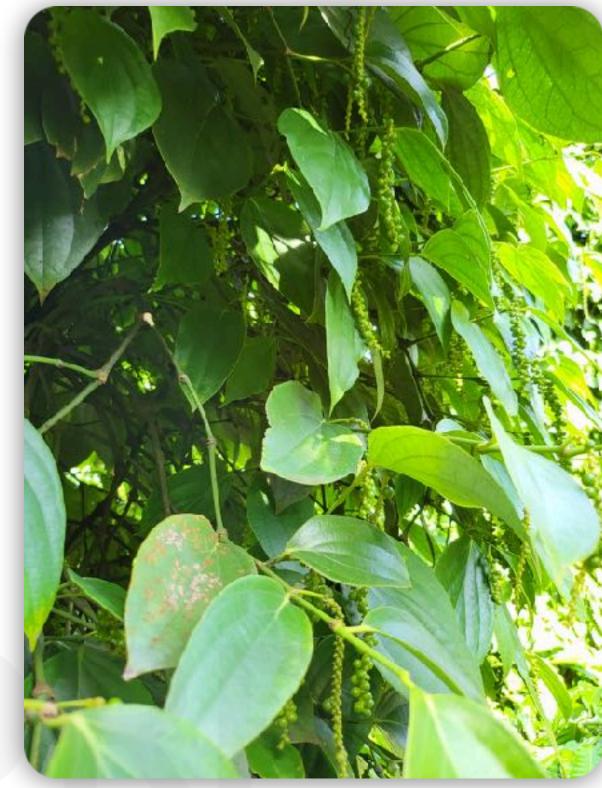
PTEXIM CORP





**FEW SEEDS** 





Flower irregularly & bloom at different times.

# GOVERNMENT & LOCAL AGENCY POLICY IIII



Definitely, 2020 is the year the price "bottomed out" and now begins a new bullist cycle. In the next few months and the following years, the price will gradually improve, it is likely that by the end of this year, the price will reach from 90,000 to 100,000 VND/kg. It is forecasted that pepper prices may peak like the previous cycle in the next 8-10 years. The expected price can be up to 250,000-300,000 VND/kg emphasized Mr. Hoang Phuoc Binh.

Mr. Hoang Phuoc Binh, Vice Chairman, General Secretary of Chu Se Pepper Association (Gia Lai)

The most recent cycle from 2001 to 2006 was a bear price cycle, pepper price "bottomed out" in 2006. After that, the price started going up until 2015, the price peaked at over

200,000 VND/kg. From 2016, the price started going down again until the "bottom" level of about 34,000 VND/kg in early April 2020.

On the basis to make an affirmation that pepper has started a new price **Bullist Cycle**,

Mr. Hoang Phuoc Binh said that in the past few years, pepper prices have been pretty low, farmers invest in pepper plantation and loosing, so pepper plantation owners

do not investment, a lot of farms are completely **destroyed**. Therefore, the area is greatly reduced. Through the survey, it is Estimated that 2017 is the year with the largest area (153,000 ha), until 2021, it is estimated that the **harvested area** will be **less** than half of the 2017 area. The harvest in 2021 will **decrease over 30%** compared to the previous year. If we take the data of the harvest output of 2020 according to the Vietnam Pepper Association (VPA) of 240,000 tons, this year it will only be around 150,000 tons.

# LOGISTICS & SHIPPING FREIGHT 1000 Page 1000 Pa

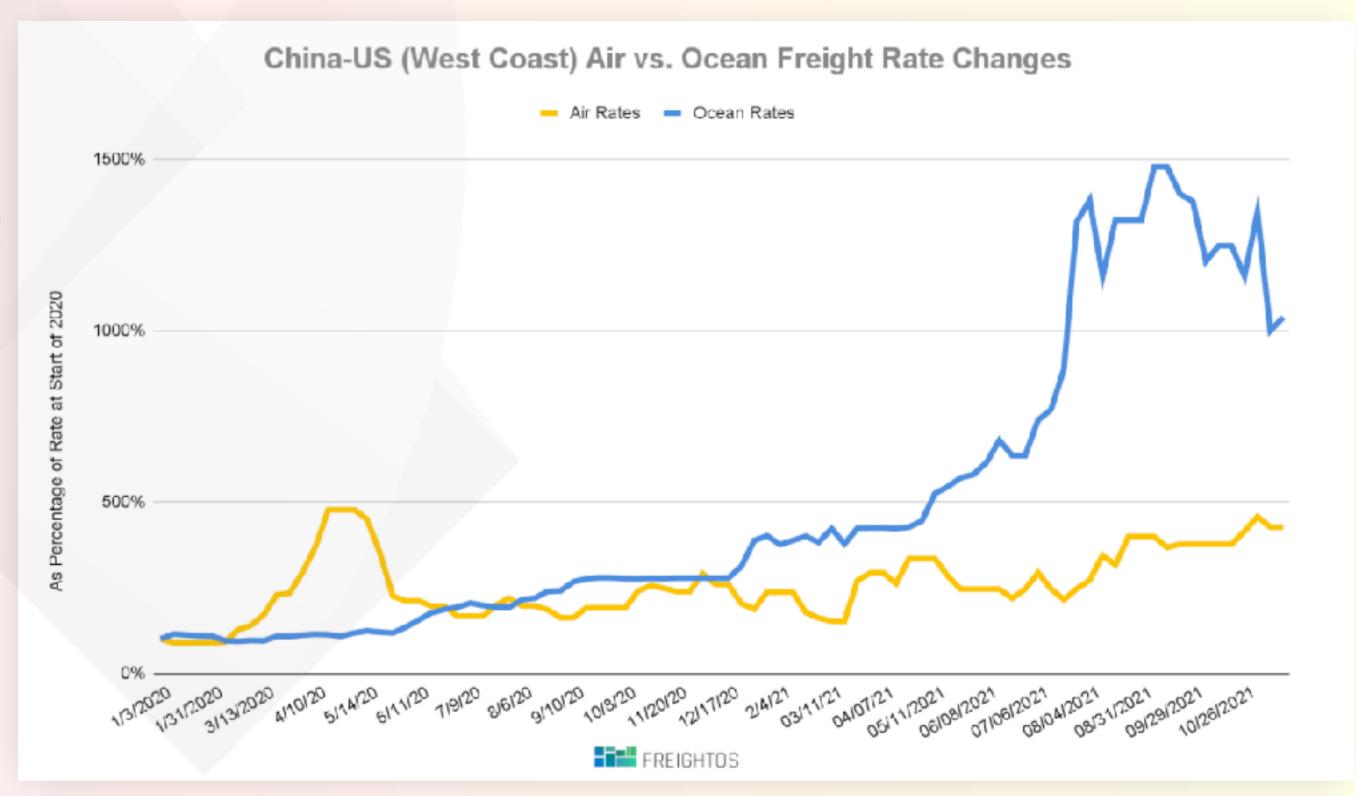




In ocean freight, following their significant, post-peak season fall last week, transpacific ocean rates were stable this week, increasing 3-4% to both coasts, though they remain extremely elevated at 8-9X the pre-pandemic norm.

The easing prices are not being driven by any significant improvement in the port congestion that is tying up a significant share of the lane's capacity.

Continued struggles with disrupted schedules and the resulting port congestion have



been enough to keep Asia-Europe rates from experiencing a rate dip similar to the one on the transpacific.

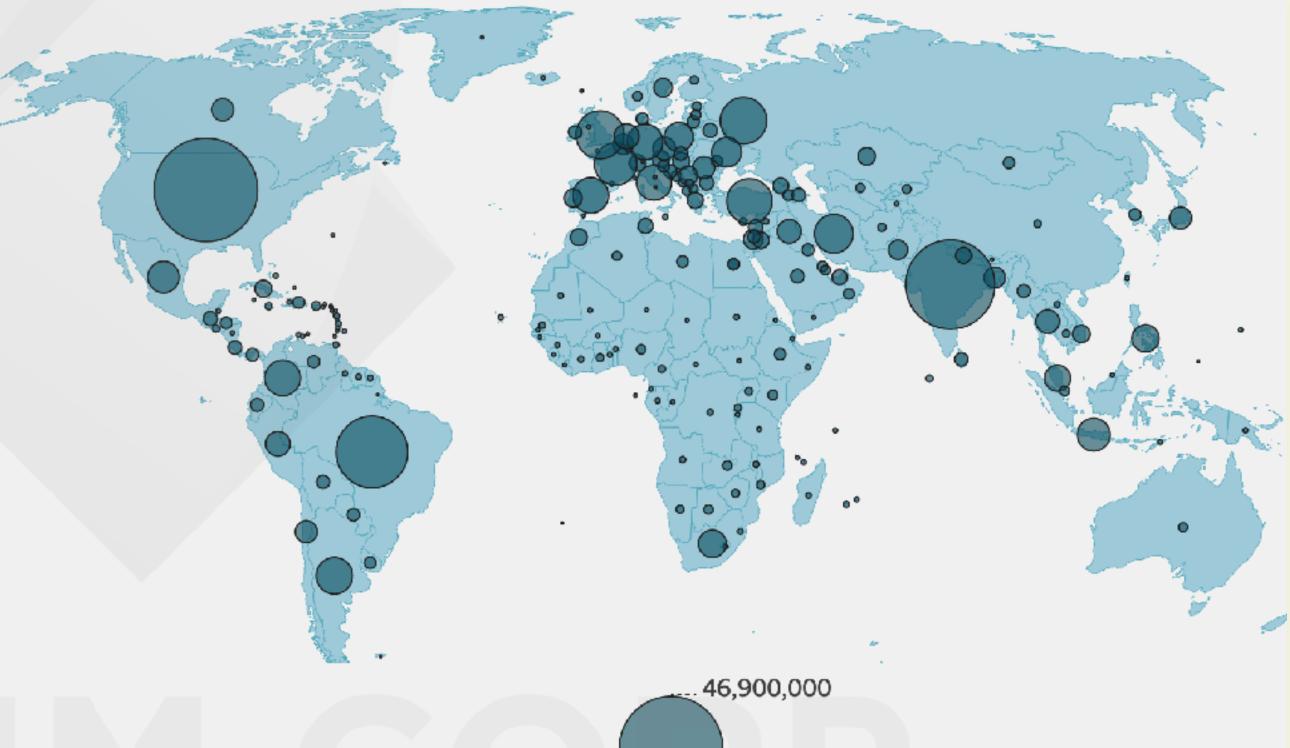
The number of ships waiting for a berth hasn't fallen yet, leading some carriers to cancel upcoming West Coast services and others to move capacity to the under-served intra-Asia services, especially as manufacturing in Vietnam recovers.

# COVID-19 VIRUS

The **Reuters** interviewed more than ten of the world's leading medical experts and forecasted that by 2022, the wave of infections caused by the <u>Delta variant cooled down</u> in many regions of the world. COVID-19 can turn into an endemic disease. But even then, each year this epidemic can still kill many people.

WHO has set a target that by the end of 2022, 70% of the world's population will be vaccinated against COVID-19. In Vietnam, it is expected that in the first half of 2022, there will be an additional 100 million doses of vaccine.

253,352,791 5,101,198 deaths



Circles show number of confirmed coronavirus cases per country.

The National Assembly requires in 2022, to license and put into use the Covid-19 vaccine produced by Vietnam.



# CURRENCY \$ ...

\$ The Vietnamese Dong is expected to trade at 22680.00 by the end of this quarter, according to Trading Economics global macro models and analysts expectations. Looking forward, we estimate it to trade at **22680.00** in 12 months time.

(Source: https://

tradingeconomics.com/vietnam/currency)





#### CROP SIZE & CARRY OVER VIETNAM BLACK PEPPER CONSOLIDATION

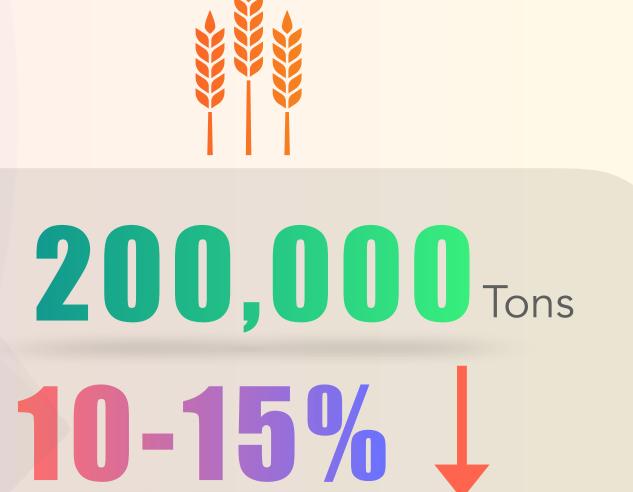




30,000 Tons
30%
4

CARRY OVER
2022

Carry Over 2022 reduces 30% compared with 2021.



CROP SIZE
2022

2022 Crop size reduce 10 - 15% compared with 2021 crop.







# FORECAST OF THE WORLD PEPPER CROP IN 2022



# VIETNAM AT A GLANCE - FORECAST 2022



Carry over **30.000** MTs like **frozen** stock and concentrate on **rich** farmers/collectors/exporters. It may keep a few more years and **no pressure** to offer to the spices market if price is **not attractive**.

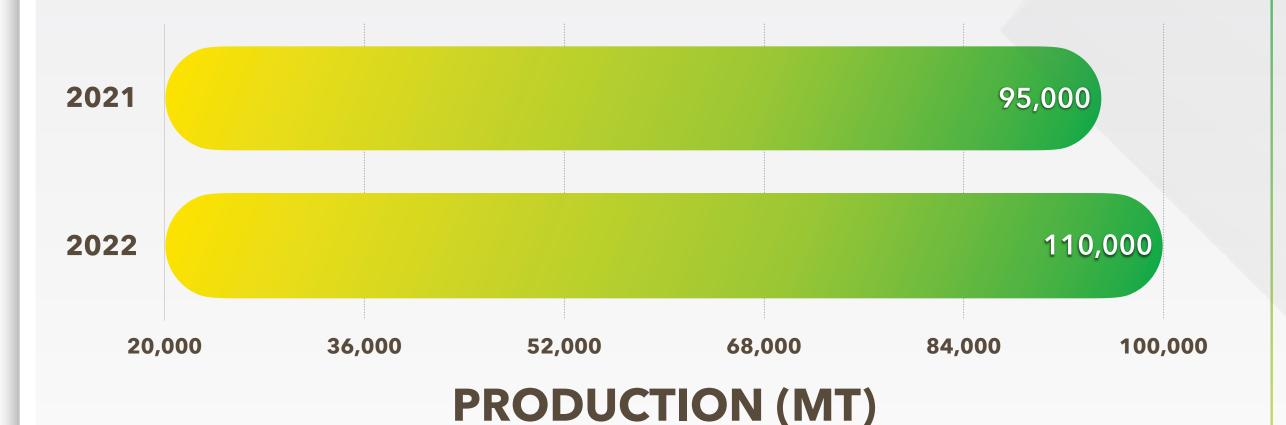


# BRAZIL AT A GLANCE - FORECAST 2022

#### PRODUCTION QUANTITY

CHANGE 10-15,000

% CHANGE 10-15%





Brazilian farmers are actively increasing pepper plantation, so crop size from Brazil mis expected to increase continuously in the next 3 years.



Sespirito Santos (ES) Production



- Farmers to planting new pepper plantation. Production has been increasing from now until next **3 years** is foreseen.
- 2022 production exceed 60.000 MTS
- Havest from January to June, can extend from **August to December**
- PARA (PA) & Bahia Production



- Farmers to planting new pepper plantation.
- Aug/Sept/Oct 2021 production is around 45,000 -**50,000** tons
- Havest from August to December



# CHINA AT A GLANCE - FORECAST 2022

Recently, China suffered the most widespread cold wave in a decade - affecting 90% of its territory, severely challenging the agricultural industry. Drops of up to 160 degrees Celsius in many places. Chinese meteorologists predict frequent cold spells this winter. According to forecasts of 56 economists polled by Reuters, China's economic growth rate will slow to 5.5% in 2022 from the previous forecast of 8.2%.







JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC



18,500

Hectares

HECTARES UNDER PEPPER CULTIVATION IN 2021



PRODUCTION QUANTITY



85,000-90,000

DOMESTIC CONSUMTION

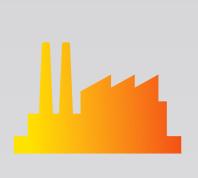


2000-5,000 EXPORT



# INDONESIA AT A GLANCE - FORECAST 2022

Economic growth looks set to gain speed in 2022, after a further wave of Covid-19 infections in Q3 will have likely limited the scope of this year's rebound. Elevated energy prices and pandemic-related uncertainty pose risks. FocusEconomics Consensus Forecast panelists expect GDP to expand 5.2% in 2022.



#### PRODUCTION 2022

40,000 - 50,000 Tons



#### **EXPORT VOLUME 2022**

30,000 Tons

#### **HARVEST TIME**

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC





#### INDONESIAN GEOGRAPHICAL INDICATION



- Bangka Belitung Production
  - The biggest pepper producers in Indonesia
    Mostly produce white pepper (known as **Muntok**)
- Lampung Production
- The second biggest pepper producers in Indonesia
  - Mostly produce black pepper

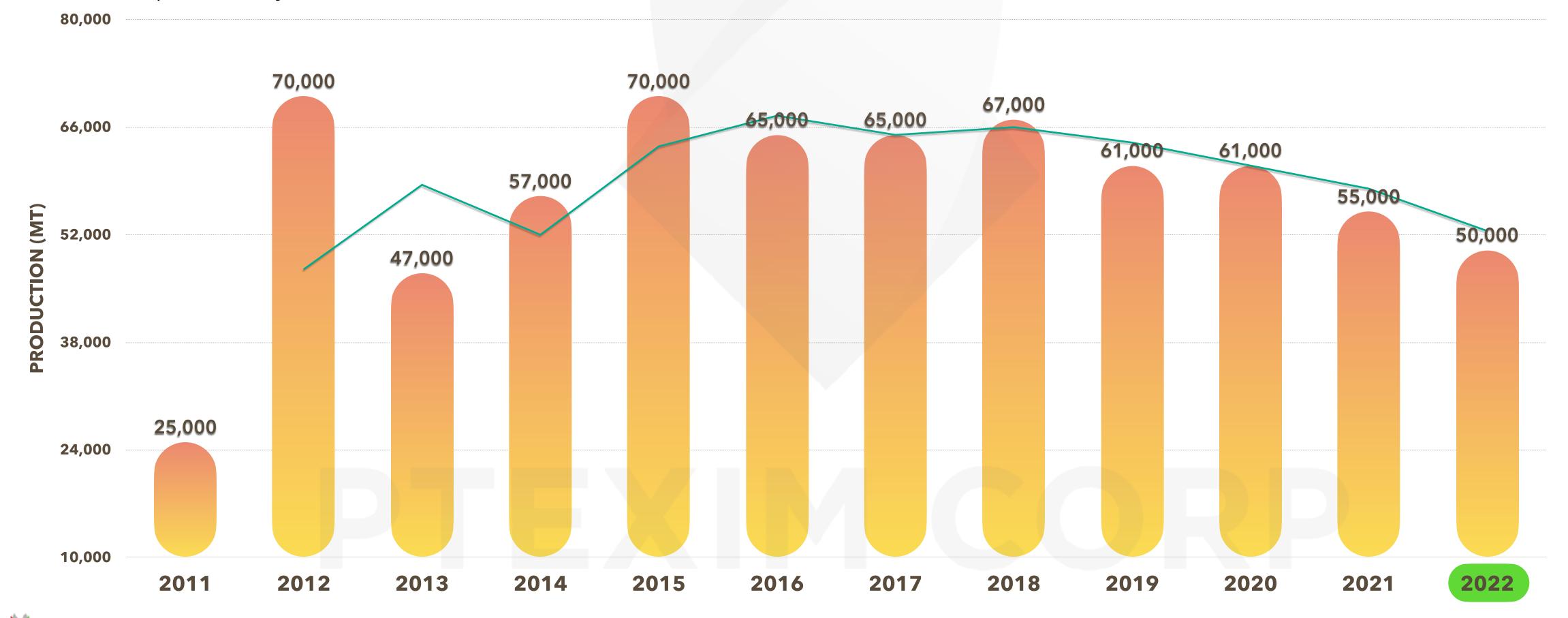


# INDONESIA AT A GLANCE - FORECAST 2022



#### PEPPER PRODUCTION IN INDONESIA FROM 2011 TO 2021

In **2021**, it was estimated that approximately **50 thousand metric tons** of pepper was produced in Indonesia. Since less well cared pepper plantation from farmers. This figure did not change much from the previous year's.





PHUC THINH EXPORT IMPORT INVESTMENT CORPORATION (PTEXIM CORP)

# MALAYSIA AT A GLANCE - FORECAST 2022

The ministry (MAFI) had been allocated RM4.82 billion under Budget 2022 to drive modernisation of the agricultural sector in improving food security and safety, generating higher income and attracting more young agropreneurs. In Budget 2022, the provision of subsidies and incentives for the agriculture and fisheries industries would be continued with an allocation of RM1.7 billion.



# HECTARES UNDER PEPPER CULTIVATION IN 2022

13,500 Hectares



#### PRODUCTION QUANTITY

20,000 Tons



#### DOMESTIC CONSUMTION

7,000 Tons



#### EXPORT

**11,000** Tons



JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC



**SARAWAK** 



Pepper Production Area

98%

#### PENISULAR MALAYSIA & SABAH



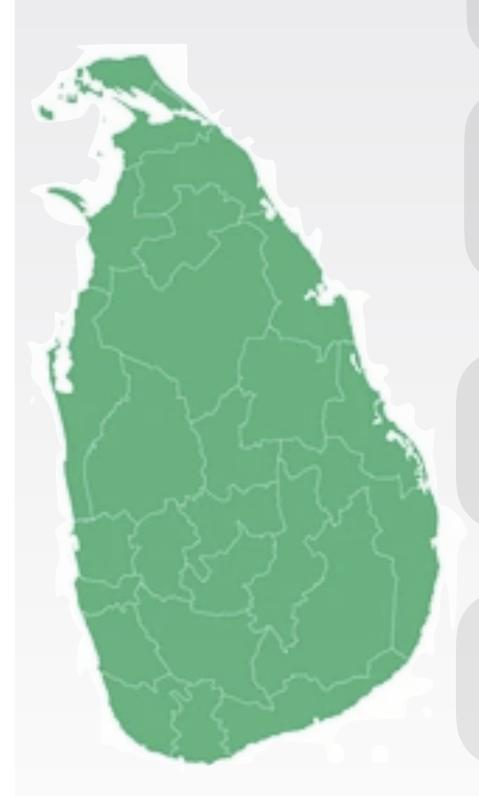
2 %



## SRI LANKA AT A GLANCE - FORECAST 2022



MAR APR MAY JUN JUL AUG SEP OCT NOV DEC





20,000 Hectares HECTARES UNDER PEPPER CULTIVATION IN 2022



25,000 Tons PRODUCTION QUANTITY



12,000 Tons DOMESTIC CONSUMTION



8,000-13,000 Tons EXPORT





# INDIA AT A GLANCE - FORECAST 2022

Pepper growers in Hassan, Chikkamagaluru and Kodagu districts of Karnataka state, India are worried that pepper production may drop sharply due to erratic weather. Prolonged rains cause soil moisture to increase, affecting the ability of pepper plants to grow. Some growers fear that production in the 2022 crop year will fall by 20%, compared with 65,000 tons in 2020-2021.



#### PRODUCTION AREA



#### **CROP SEASON TIME**

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC

125,000

**HECTARES UNDER PEPPER CULTIVATION IN 2022** 



55-60,000 Tons PRODUCTION QUANTITY



70,000

Tons

DOMESTIC CONSUMTION



13,000-15,000 Tons **EXPORT** 





**25,000** 



IMPORT



# CAMBODIA AT A GLANCE - FORECAST 2022

The Cabinet on October 22 gave the nod to a draft budget of \$8.013 billion for public spending in 2022, an increase of 6.8 per cent year-onyear, in a move expected to help power a prompt economic recovery as the Kingdom emerges from the ravages of the Covid-19 health crisis.



#### **CROP SEASON TIME**

APR MAY JUN JUL AUG SEP OCT NOV



PRODUCTION QUANTITY



**8** Kampong Cham Thbong Khmum





Hectares PRODUCTION AREA



# **THAILAND AT A GLANCE - FORECAST 2022**







4,500

PRODUCTION QUANTITY



8,500

DOMESTIC CONSUMTION



500-1000

Tons **EXPORT** 







# MADAGASCAR AT A GLANCE - FORECAST 2022







3,500

Tons PRODUCTION QUANTITY



1,500

Tons DOMESTIC CONSUMTION



1,500-2000 Tons **EXPORT** 



# ECUADOR AT A GLANCE - FORECAST 2022







5,000

Tons PRODUCTION QUANTITY



1,000

Tons DOMESTIC CONSUMTION



4,000

EXPORT





# CROP SIZE CONSOLIDATION



# 

<b>Vietnam</b>	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<b>Indonesia</b>	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<b>India</b>	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
	JAN	1 20	IVIZAN			3011	JOL	AUG	JLI	OCI		DLC
<b>Brazil</b>	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC
<b>Malaysia</b>	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Sri Lanka	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<b>Cambodia</b>		ГГР		ADD	RAAV	ILINI	11.11	<b>ALIC</b>	CED	ОСТ		DEC
<b>Vallivula</b>	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC



#### ESTIMATING TOTAL PEPPER CROP SIZE IN THE WORLD IN 2022



#### DETAILS ESTIMATING TOTAL PEPPER CROP SIZE IN THE WORLD IN 2022

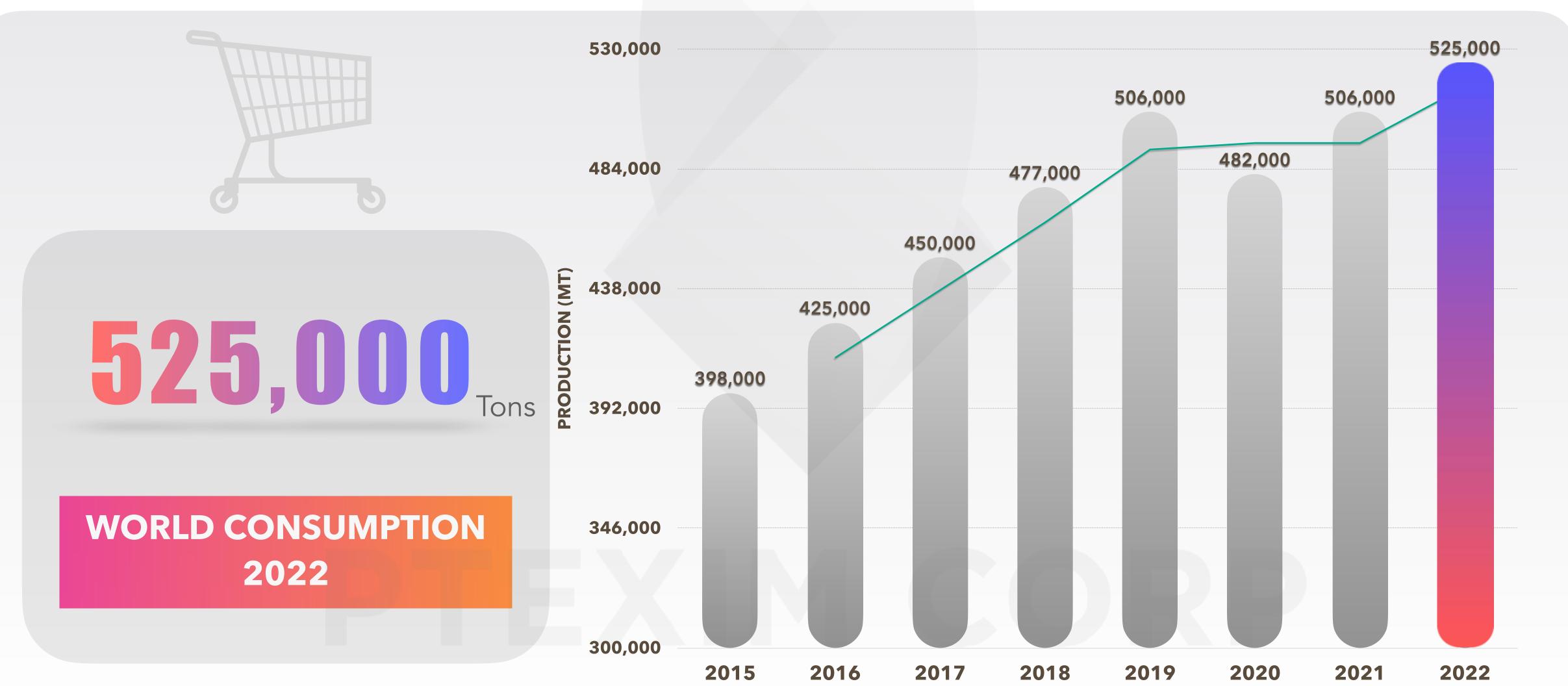
Vietnam Brazil	India In	ndonesia Cambo	dia China	Sri Lanka	Malaysia	Ecuador	Thailand	Madagascar
200,000 105,000	60,000 !	50,000 30,00	0 30,000	25,000	20,000	5,000	4,500	3,500



PHUC THINH EXPORT IMPORT INVESTMENT CORPORATION (PTEXIM CORP)

#### YEARLY WORLD CONSUMPTION

Pepper consumption of the world is expected to increase by 6-8% from 2015 to 2019. In 2022, the global demand forecasts will **increase** again by **about 3-5%** at least.



# PTEXIM VIEWS



According PTEXIM views, global output has reduced, particularly in two big countries:

Vietnam at minimum 10-15% and India about 20%.

**Reason**: Climate Change & Pepper prices are low for 3 consecutive years, so farmer does not invest and caring for the main pepper production areas which have been seriously affected by Covid-19, which leading to a shortfall of workers.

In addition, the amount of inventory also decreased.

The price **bullist cycle** of pepper is forecasted to continue in 2022 and 2023. It can be seen that the total pepper production in 2022 and the total world demand are almost in balance. At the same time, this is the time when governments "**Inject**" money, which should push up the cycle of commodity prices, including pepper.





# \* FORECAST MARKET TREND DURING 2022

FLUCTUATE

First Quarter 2022

2



UPTREND

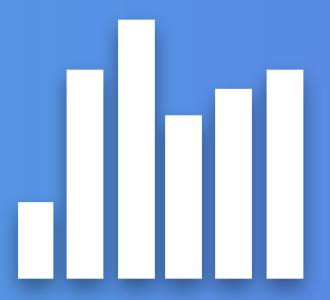
Second Quarter 2022



UPTREND

Third Quarter 2022

MEDIUM-TERM



FLUCTUATE

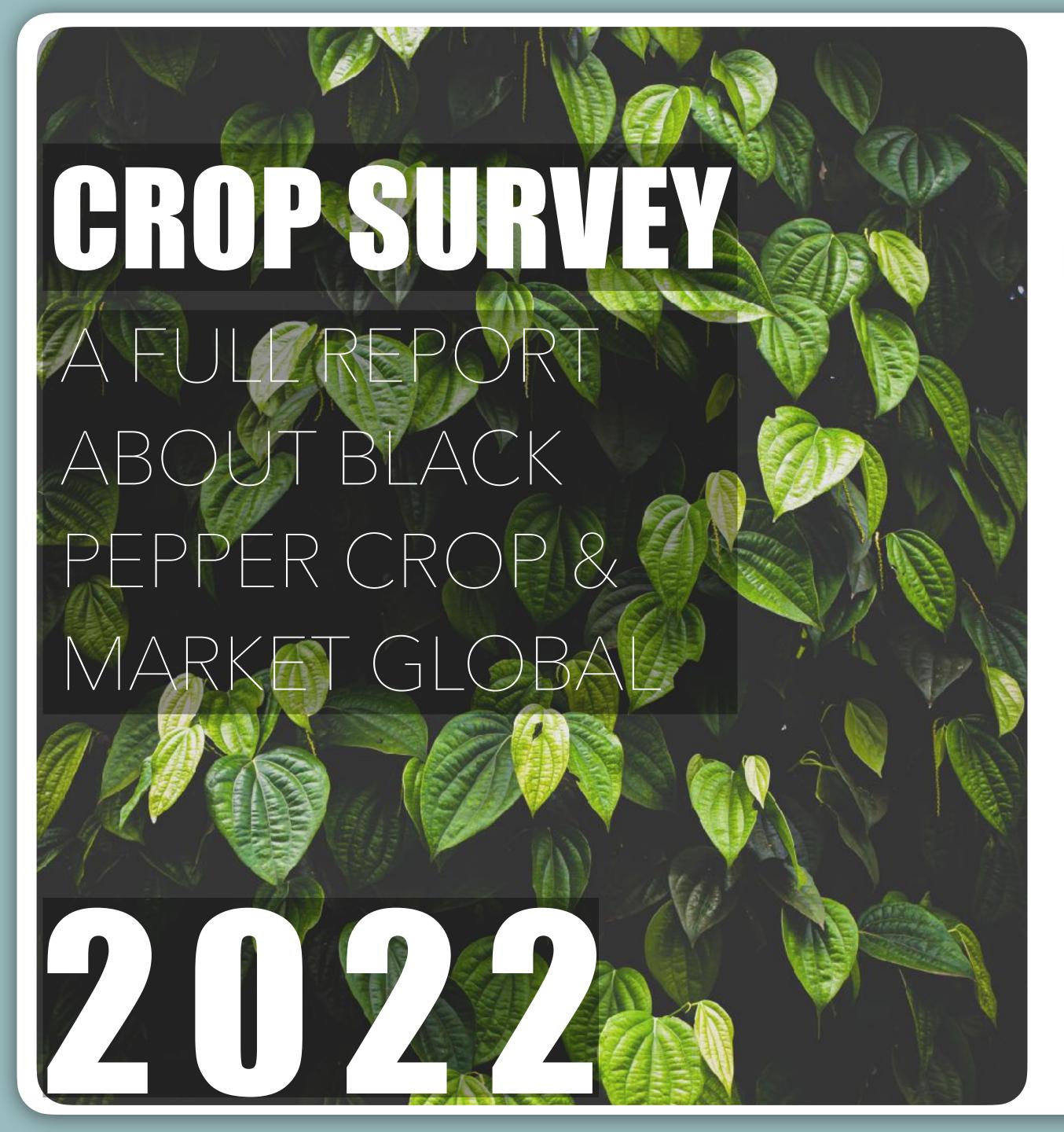
Fourth Quarter 2022

SHORT-TERM

SHORT-TERM

LONG-TERM





# THANK YOU!

Please do not hesitate to send me if you have any further request.

#### Hien, Nguyen Vu

CEO

A: 43 Street17, Quarter 5, An Phu Ward, District 2, HCMC, VN

M: +84 902 222 295

spices@ptexim.com.vn

#### PTEXIM CERTIFICATE





















#### **PTEXIM FACTORY**



1. WHOLE SPICES FACTORY (Address: Daklak Province, VN)



2. FOOD FACTORY (Address: Ba-Ria Vung Tau Province, VN)

www.ptexim.com.vn