



Terroir of Thailand:  
Khao Yai Wine GI

with

GRANMONTE



*October 2024*

# 1. Khao Yai Wine Geographical Indication



*Defining our origin*

## “Khao Yai Wine” Geographical Indication

*guarantees the local  
origin  
and the highest  
standards of grape-  
growing and  
winemaking in Khao  
Yai, Thailand.*



สิ่งบ่งชี้ทางภูมิศาสตร์  
“ไวน์เขาใหญ่”

เป็นการันตีแหล่งที่มา และ  
มาตรฐานการผลิต เพื่อความ  
เชื่อมั่นของผู้บริโภค ในไวน์ที่ปลูก  
และผลิตที่เขาใหญ่  
ประเทศไทย

Registered in 2018 with the Department of Intellectual Property, Thailand

## Quality, reputation, characteristics and uniqueness of goods



“Khao Yai Wine”

◆ Definition: Wine made from 100% fresh *vitis vinifera* grape, grown, harvested and vinified according to TWA standard in vicinity of Pak Chong district and Wang Nam Khiao district, outside protected forest

◆ Characteristics of goods: Visually clear, with expression of varietal characters with no physical and chemical fault on the nose and palate. Chemical analysis within the limits of TWA charter.



## 2. GranMonte Vineyard and Winery



*Who we are*



## Family-owned and operated Vineyard and Winery



Mrs Sakuna Lohitnavy - President

Mr Visooth Lohitnavy – CEO & MD

Nikki Lohitnavy - Oenologist/winemaker,  
general manager, director of vineyard and  
winery operations

Mimi Lohitnavy - Director of PR &  
Marketing



## A Few Points on GranMonte...



- ◆ Main estate: 350 m above sea level; other sites: 600 m
- ◆ Main estate planting area: 72 rai / 28 acres / 12 hectares
- ◆ Other sites planting area: 100 rai / 40 acres / 16 hectares
- ◆ First planting 1999; original winery completed 2009; new winery expansion 2021
- ◆ Current production 120,000 bottles per year. Increase to 300,000 bottles in 3-4 years

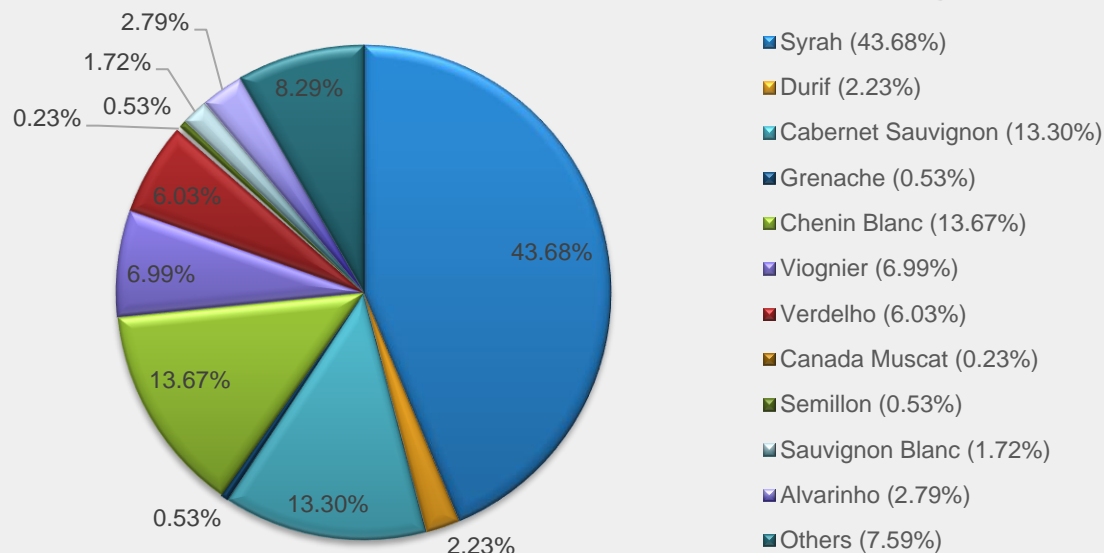




## Wine Grape Varieties at GranMonte's vineyards



**Total planting area: 176 rai**



# Our Unique Soil



## Soil Profile

- Well-drained red clay soil
- Medium fertility, high CEC with weathered shale and limestone
- Subsoil with 1.5-2 meters depth
- This soil is from the Permian period in the Palaeozoic era dating back 290 million years ago

# Soil profiling at GranMonte



# Vineyard Management



Vines are grown on wired-trellis, allowing good exposure of grape bunches to sunlight. Propagation by cuttings, grafting or budding, with or without the use of rootstock. The vines must be at least 2 years old before cropping.

Vineyard hygiene must be kept at a high level. Grapes must be of high quality. Shoot selection and positioning must be done to achieve good airflow in the canopy. A good leaf:bunch ratio must be maintained for good ripening.

# Training and Trellis System

## VSP with bilateral cordon

- For ease of mechanisation and more exposure of leaves and fruit to sunlight
- Trellis height 1.9-2 m, cordon height 80cm
- 90cm leaf area
  - Reduce risk of diseases
  - Aid spray penetration – disease control
  - Air flow
  - Weed control undervine area
- Vine spacing 1-1.5m
- Row spacing 1.8-2.5m
- Average yield 9-12.5 t/ha (1.5-2 t/rai)



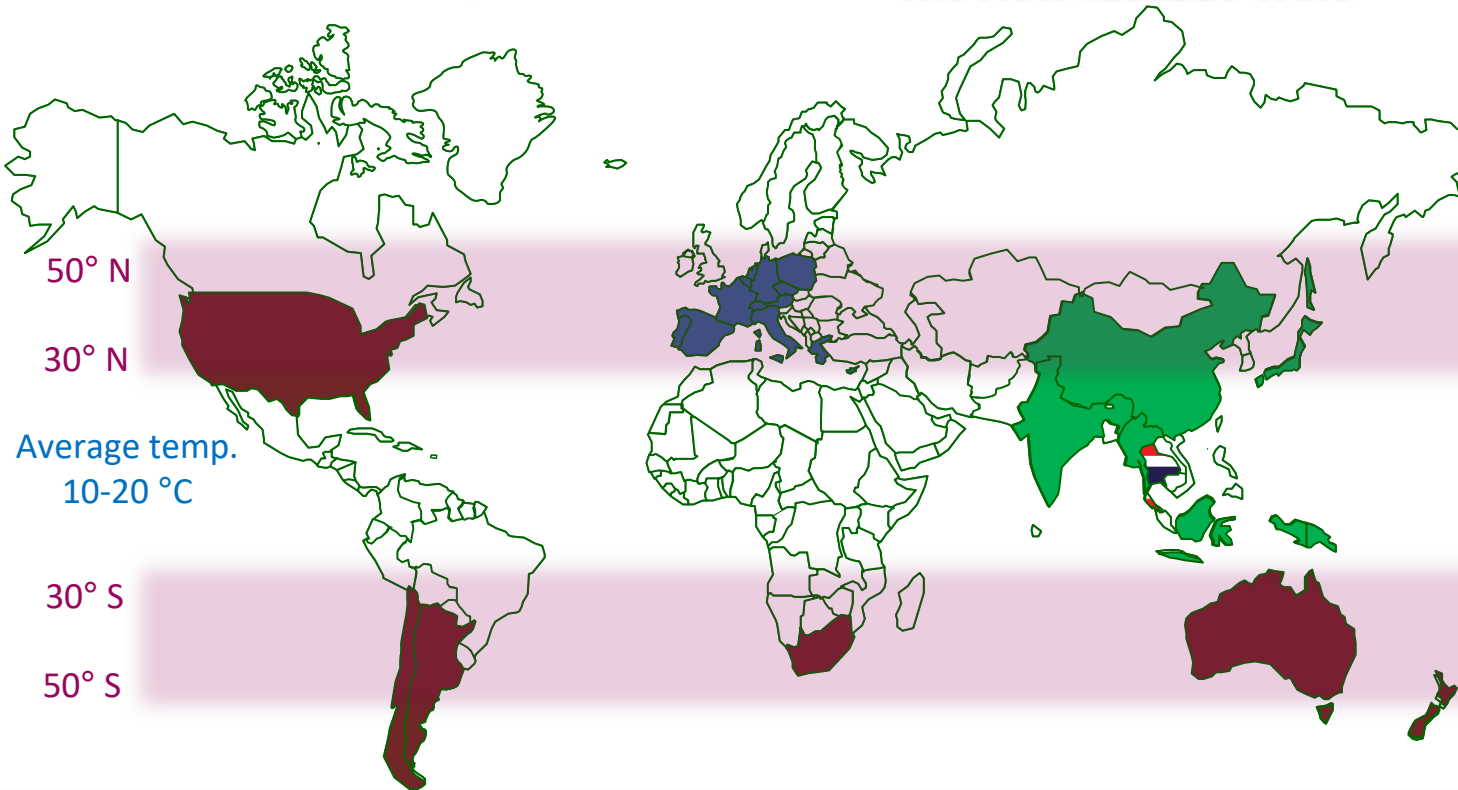


### 3. The Tropics and Khao Yai Region




*The big picture*

## Old World Wine , New World Wine &amp; The New Latitude Wine

Wine Belt  
aka.

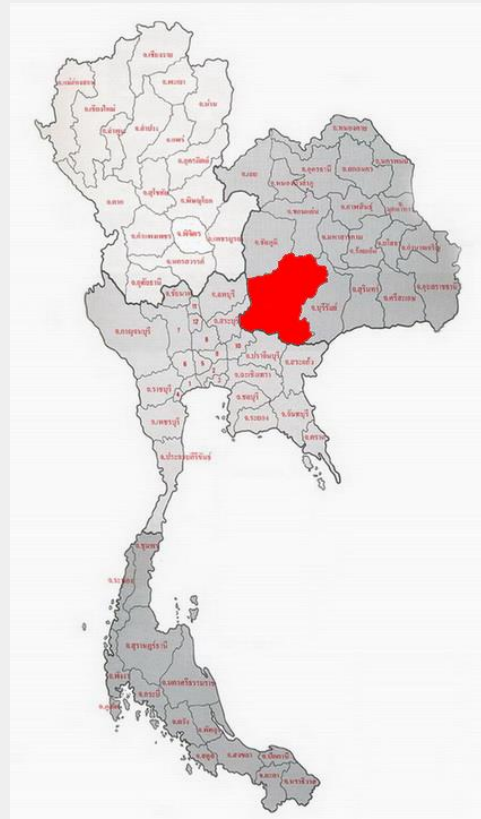


 Nakhon Ratchasima

 Khao Yai region

## Macroclimate of Khao Yai

- ◆ Macroclimate is regional climate
- ◆ We are located in Isaan
- ◆ Isaan has the lowest rainfall
- ◆ Driest month's rainfall less than 10mm = Tropical wet and dry (savanna) Köppen climate classification
- ◆ Day-night temperature difference





## Boundary of Khao Yai Wine GI

Khao Yai Wine GI is located in the north of Khao Yai National Park in Pak Chong and Wang Nam Khiao district, Nakhon Ratchasima province, outside national protected forest area.

Elevation is more than 300 meters from sea level.



# “Khao Yai Wine” Geographical Indication

## - an association of Product and Geography



### Geography

Khao Yai Wine GI is located in the north of Khao Yai National Park in Pak Chong and Wang Nam Khiao district, Nakorn Ratchasima province and ends at Khao Phu Luang protected forest. Elevation is more than 300 meters from sea level.



### Geology

Soil has high percentage of clay. Parent material of limestone. Soil is rich in calcium carbonate and is mildly acidic to basic (pH 6.5 - 8.0). Sufficient water supply. Groundwater is freshwater.



### Climate

Cold and dry in the ripening and harvesting season. Lowest temperature of 5 °C at night and 25 °C at daytime. An ideal temperature for the ripening of grapes.



Newest  
Gold Medal from  
AWC V B

#### 4. Status of GranMonte



*Where we are now, our  
challenges, where we want to go*



GRANMONTE

# Best National Producer - Thailand 2015, 2016, 2017, 2023

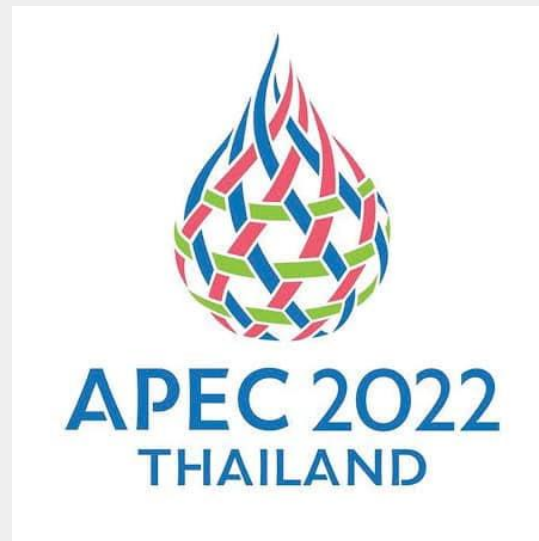


# Celebratory events for the APEC 2022 THAILAND



**16**

EVENTS



**25**

WINES

## Export markets



- ◆ Asia: Taiwan, Singapore, South Korea, Vietnam, Malaysia (prospect), Philippines (inactive), Japan (inactive)
- ◆ Europe: France, Sweden, Germany (prospect), Switzerland (inactive)



5.  
Community  
Development and  
Coexistence with  
Nature



*Wild Life Friendly*



## Agrotourism & Oenotourism



- ◆ Oenos - οἶνος oînos (Greek) = wine
- ◆ Wine tourism
- ◆ Knowledge: awareness in food production
- ◆ Experience: seeing and trying
- ◆ Rural living
- ◆ Providing employment in near-by villages



## Hospitality Services



Cellar Door



Restaurant



Accommodation

All facilities are pet-friendly!



## Cellar Door “GranMonte Shop”



- ◆ GranMonte wines
- ◆ Grape juice
- ◆ Local products
- ◆ Dried fruits
- ◆ Other souvenir
- ◆ Bakery
- ◆ Café



## Restaurant “VinCotto”



- ◆ Locally sourced ingredients
- ◆ French & Italian cuisine
- ◆ Central Thai cuisine
- ◆ Family dining
- ◆ Breakfast, lunch, and dinner



## Accommodation

### “GranMonte Wine Cottage”



- ◆ Bed & Breakfast
- ◆ 8 rooms
- ◆ Full breakfast
- ◆ Beautiful vineyard view
- ◆ Pet-friendly



## Coexisting with Nature

- ◆ Promoting awareness
- ◆ Conservation of Khao Yai National Park and it's ecosystem
- ◆ Management of wildlife – human conflict

Photo credit: Parit Kengsungnoen





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# Thank you!



KHAO YAI WINE

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