



**ICCRI**

INDONESIAN COFFEE AND COCOA RESEARCH INSTITUTE



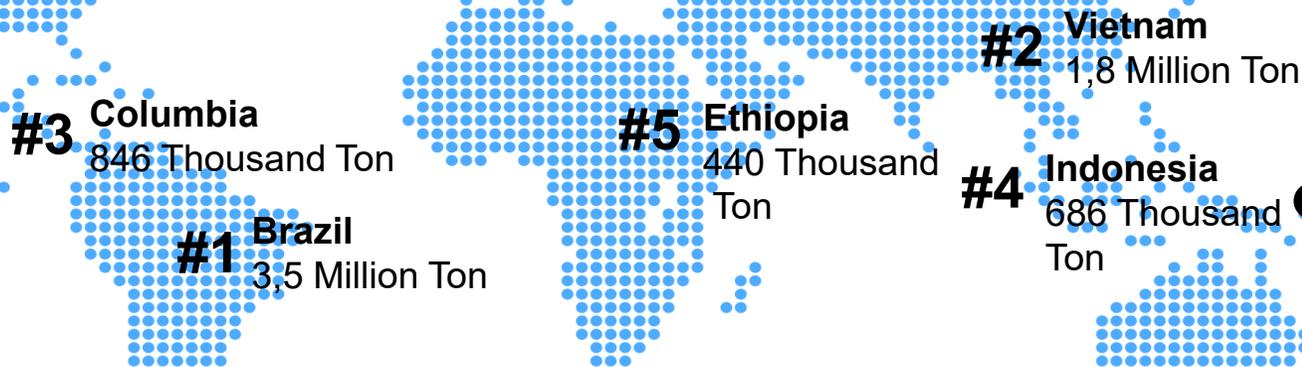
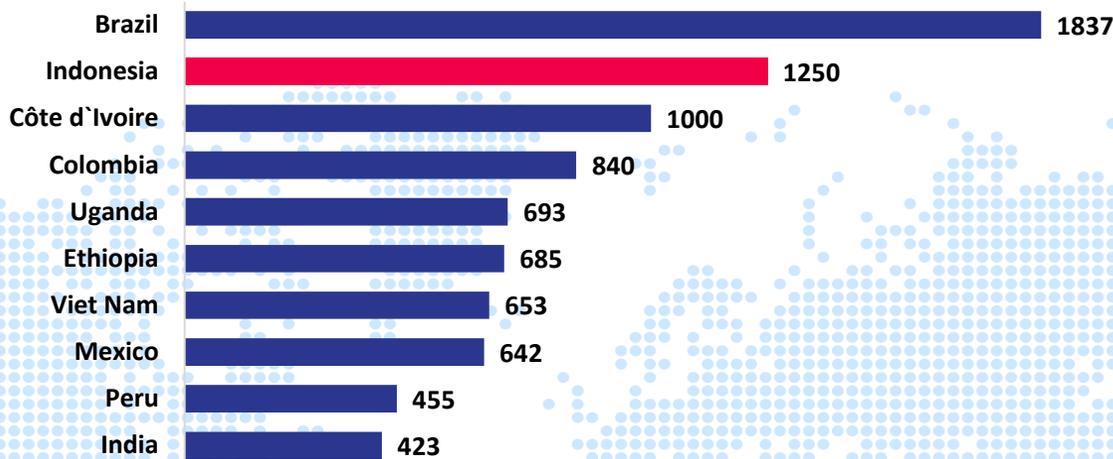
# INDONESIA COFFEE OVERVIEW

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2025



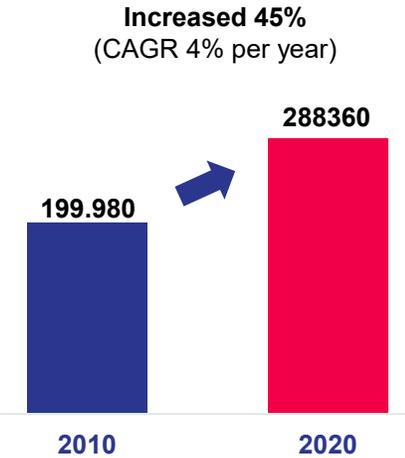
# Indonesia is the 4th largest coffee producing country which is the 2nd widest coffee plantation area



**Productivity ???**

Domestic coffee consumption increased 45% from 2010 to now

- 41% for domestic consumption, 49% for export
- In the last decade, the domestic coffee market grew 45% while exports grew 25% (ICO, 2022).



- 96,1% Smallholder plantation
- 2,1% Private plantation
- 1,8% State plantation

For the national economy, coffee contributes US\$ 809 million to the country's foreign exchange



**Export Opportunity**  
Total world coffee consumption 9.852.120 Ton



# INDONESIA

## #1 LARGEST OF SINGLE ORIGIN COFFEE PRODUCER COUNTRY IN THE WORLD



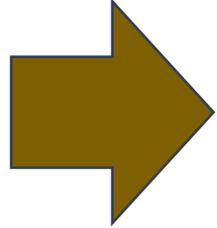
49 Coffees in Indonesia that are certified by geographical indication

# Coffee Genetic

# Coffee Species developed in Indonesia

Family Coffea, seksi Eucoffea :

- Erythrocoffea :**
  - ✓ Coffea arabica, L
  - ✓ Coffea canephora var Robusta, ugandae, Kouilou
  - ✓ Coffea congensis
  - ✓ Coffea mokka
- Pachycoffea**
  - Coffea excelsa Chev
  - Coffea liberica Bull ex Biern



- **Robusta = 69 %**
- **Arabica = 28 %**
- **Liberica/Excelsa = 2 %**
- **Arabusta, Mokka, Kapakata, Stenophylla etc. = 1 %**



**ARABICA**



**LIBERICA**



**ROBUSTA**

## Recent Challenge for Sustainable Production

- Unidentified planting material
- Old plantation
- Higher intensity of pest and disease attack
- Climate change (erratic rainfall and drought)
- Low adoption of GAP (economically visible)



**Low productivity 800 kg/ha/yr**

**VS**

**A to Z technology & or recommendation by ICCRI  
(planting material, agronomy practices, IPM)**

# Highly Devastated Pest and Disease in Indonesian Coffee



1. Root lesion nematode:  
*Pratylenchus coffeae* &  
*Radopholus similis*

# Highly Devastated Pest and Disease in Indonesian Coffee

## 2. Coffee Berry Borer *Hypothenemus hampei*



# Highly Devastated Pest and Disease in Indonesian Coffee

## 3. Leaf Rust *Hemileia vastatrix*



# Some minor P&D in Coffee in Indonesia



**Branch borer**



**Leaf miner**



**Cercospora**



**Stem borer**



**Root rot**



**CBD**

# Innovea Global Coffee Breeding Network

## Executive Summary of Achievements

- The result of previous seed shipment in 2024 had low germination rate. We plan to do seed shipment in November-December 2025. The import permit has already been granted. Previously, two trial shipments were carried out to prepare the shipment process to be smoother.
- We are committed to remaining part of the Innovea global breeding network. We believe through this collaboration can elevate arabica breeding in Indonesia more advanced through new technology.



**MENTERI PERTANIAN  
REPUBLIK INDONESIA**

KEPUTUSAN MENTERI PERTANIAN REPUBLIK INDONESIA  
NOMOR: 0096/Kpts/PL.800/H/8/2025

TENTANG

PEMBERIAN IZIN PEMASUKAN SUMBER DAYA GENETIK KOPI  
KE DALAM WILAYAH NEGARA REPUBLIK INDONESIA

DENGAN RAHMAT TUHAN YANG MAHA ESA

MENTERI PERTANIAN,

- Menimbang :
- a. bahwa untuk pelestarian dan pemanfaatan Sumber Daya Genetik Tanaman telah ditetapkan Peraturan Menteri Pertanian Nomor 37/Permentan/OT.140/7/2011 Tahun 2011 tentang Pelestarian dan Pemanfaatan Sumber Daya Genetik Tanaman;
  - b. bahwa untuk pemanfaatan dilakukan pemasukan Sumber Daya Genetik Tanaman ke dalam wilayah Republik Indonesia untuk penelitian dan/atau koleksi;
  - c. bahwa berdasarkan pertimbangan sebagaimana dimaksud dalam huruf a dan huruf b, perlu menetapkan Keputusan Menteri Pertanian tentang Izin Pemasukan Sumber Daya Genetik ke dalam wilayah negara Republik Indonesia;

- Mengingat :
- 1. Undang-Undang Nomor 39 Tahun 2008 tentang Kementerian Negara (Lembaran Negara Republik Indonesia Tahun 2008 Nomor 166, Tambahan Lembaran Negara Republik Indonesia Nomor 4916);
  - 2. Undang-Undang Nomor 6 Tahun 2003 tentang Penetapan Peraturan Pemerintah Pengganti Undang-Undang Nomor 2 Tahun 2022 tentang Cipta Kerja menjadi Undang-Undang (Lembaran Negara Republik Indonesia Tahun 2023 Nomor 41, Tambahan Lembaran Negara Republik Indonesia Nomor 6856);

3. Peraturan Pemerintah Nomor 5 Tahun 2021 tentang Penyelenggaraan Perizinan

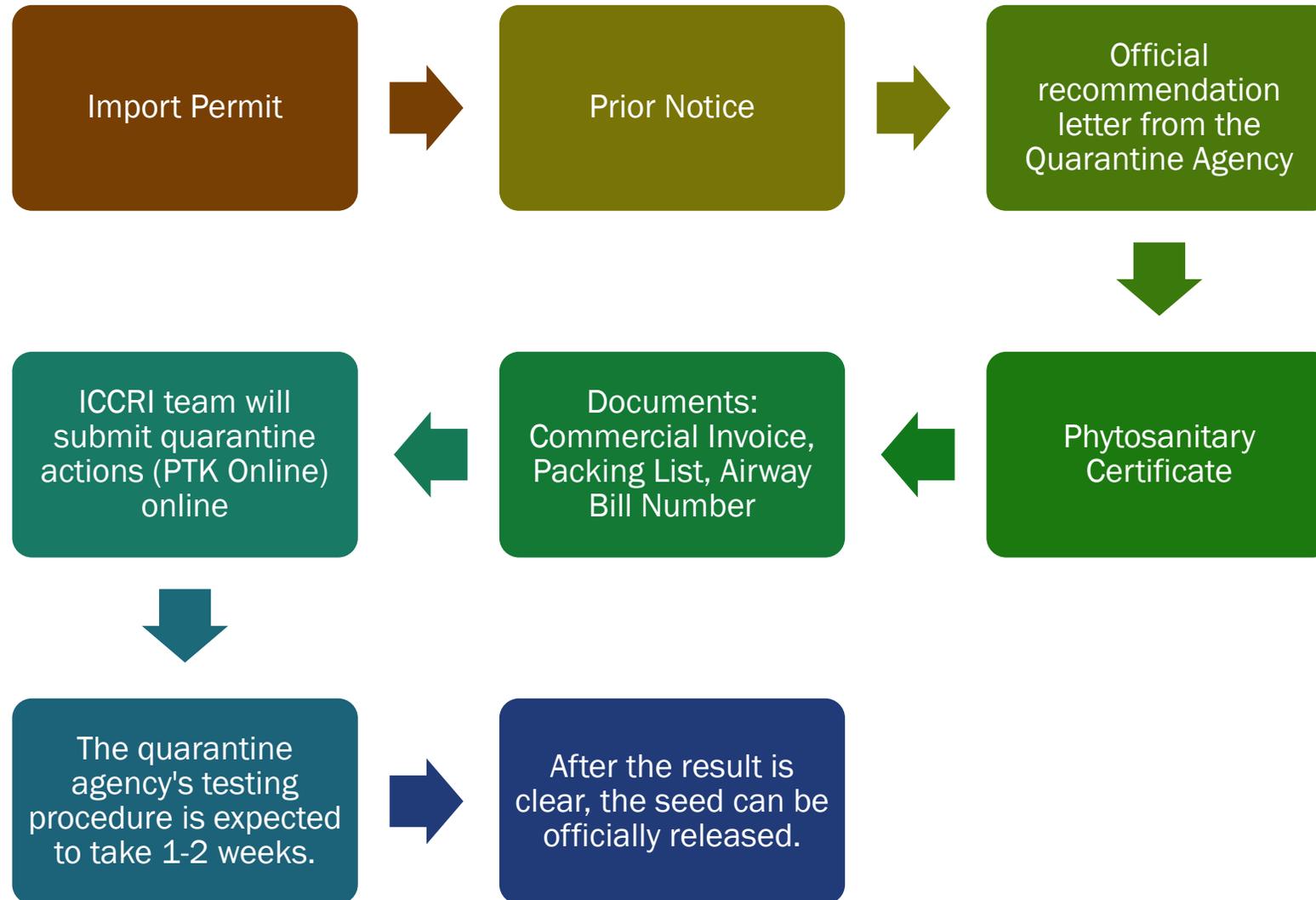
## Import Permit

PRIOR NOTICE					
Reference Number T.20250227.IVBG83					
COUNTRY OF ORIGIN : EL SALVADOR					
COUNTRY OF EXPORT : EL SALVADOR					
Description of Exporter/ Representative*	Name	ELLY CASTRO	Company name	J HILL Y CIA S.A DE C.V	
	Address	ADDRESS: BENEFICIO LAS TRES PUERTAS, CALLE A CIUDAD DE LOS NINOS CANTON ZACARIAS, SANTA ANA, EL SAVADOR			
	Phone/Fax. Number	+5058333 9893			
	Email	elly@worldcoffeeresearch.org			
Description of Importer/ Representative*	Name	IMAN YANI HARAHAP	Company name	RISET PERKEBUNAN NUSANTARA	
	Address	PT. RISET PERKEBUNAN NUSANTARA JI. SALAK NO. 1A, BOGOR INDONESIA CQ. DINI ASTIKA SARI, M. BIOTECH PUSAT PENELITIAN KOPI DAN KAKAO INDONESIA JI. PB. SUDIRMAN NO. 90 JEMBERJAWA, TIMUR 68118.			
	Phone/Fax. Number	+62 813 3319 8939			
	Email	iccri@iccri.net			
DESCRIPTION OF COMMODITY/CONSIGNMENT:					
<input checked="" type="checkbox"/> Non GMO <input type="checkbox"/> GMO: the CoA's reference no & date					
No	Common Name/ Scientific Name	HS Code	Quantity/ Unit	Certificate of Analysis/Health Certificate's Reference Number	Testing Laboratory/

## Prior Notice



## Project Implementation & Milestones



## Challenges and Limitations

- Shipping expedition takes quite a long time to process customs clearance.
- Quarantine testing also takes time for seed testing for pest and diseases. Quarantine agency also needs original phytosanitary with original signature and stamp.

## Next Steps and Future Goals

- Preparing for seed shipment in November-December 2025
- If the shipment is successful, we can plant in 2026

# ROBUSTA BREEDING PROGRAM

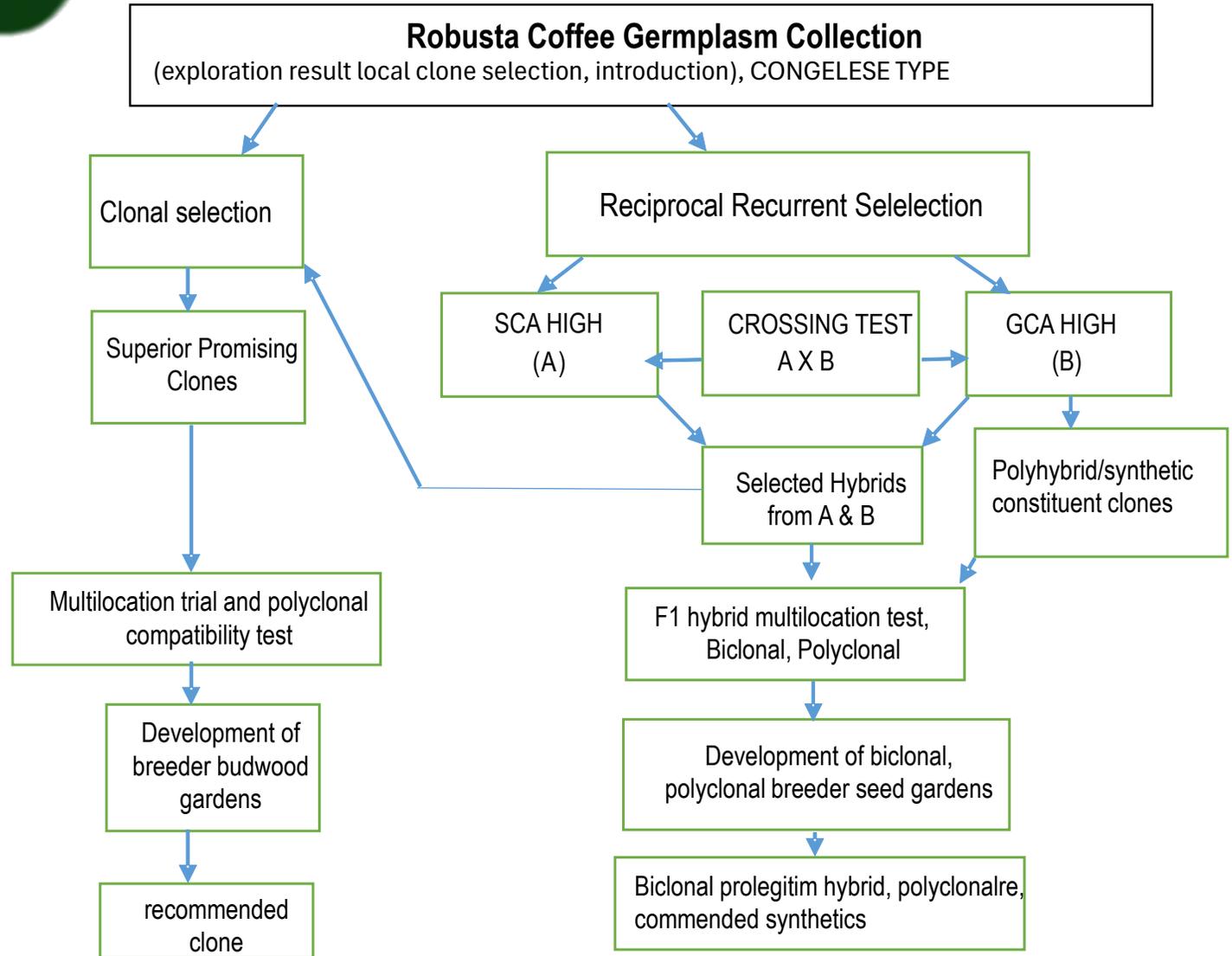
## Coffea Collection of ICCRI

No.	Spesies kopi	Aksesi	%
1.	<i>C. arabica</i> L.	187	11.5
2.	<i>C. canephora</i> Pierre ex Froehn.	1343	82.5
3.	<i>C. congensis</i> A. Froehn.	11	0.6
4.	<i>C. kapakata</i> (A. Chev.) Bridson	1	0.06
5.	<i>C. liberica</i> Bull ex Hiern	45	2.7
6.	<i>C. racemosa</i> Lour.	1	0.06
7.	<i>C. sessiliflora</i> Bridson	1	0.06
8.	<i>C. stenophylla</i> G. Don.	3	0.2
9.	<i>C. zangueberiae</i> Lour.	1	0.06
10.	Interspecific	34	2.0
11.	<i>Psilanthus horsfieldianus</i> RHAM	1	0.06
Total		1628	100

# Pusat Inovasi Sejak 1911



Schematic chart of the assembly of Robusta coffee varieties/clones/hybrids





Productivity > 2 ton per ha



Resistant to parasitic nematodes and coffee berry borer



Good cup quality (Fine Robusta)

## Milestone of Robusta Breeding in Indonesia for 112 years

**1st gen.  
1920-1930**

BP 4, BP 25,  
BP 39, BP 56,  
SA 13, SA 34,  
SA 56, SA 158

**2nd gen.  
1940-1970**

BP 42 x BP  
358

**3rd gen.  
1997**

BP 42, BP 288,  
BP 358, BP  
409, SA 237

**4th gen.  
2003-2005**

BP 234, BP 436,  
BP 534, BP 920,  
BP 936, BP 939,  
SA 203, BP 308

**5th gen.  
2014**

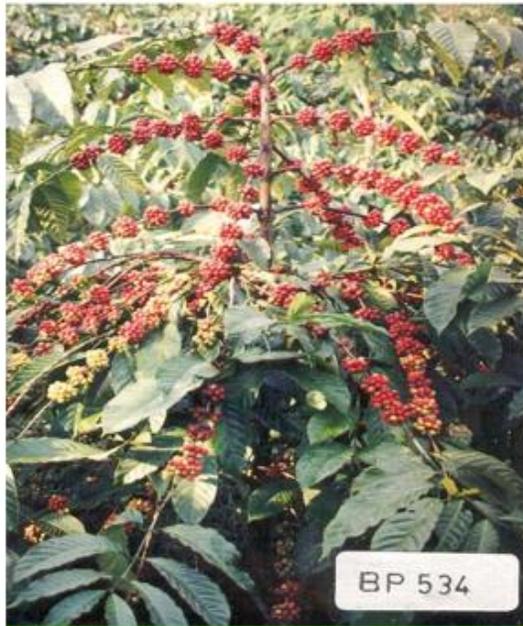
Sehasence,  
Sintaro 1,  
Sintaro 2,  
Sintaro 3

**6th gen.  
2019**

Hibiro 1, Hibiro 2,  
Hibiro 3, Hibiro 4,  
Hibiro 5



# Innovation on Robusta Coffee Varieties



**BP 534**



**BP 939**



**BP 409**

The robusta coffee varieties were developed in Indonesia are **Congolese** type that potentially produce high quality coffee (fine robusta) with yield potential  $>2$  ton per ha

# Innovation on Robusta Coffee Varieties

**HIBIRO 1: HIBRIDA BIKLONAL BP 936 X BP 534**



**HIBIRO 2 = HIBRIDA BP 534 x BP 936**



**HIBIRO 3 = HIBRIDA BP 939 x BP 936**



**HIBIRO 4 = HIBRIDA BP 935 x BP 436**



**HIBIRO 5 = HIBRIDA BP 534 x SA 13**



# Breeding for Nematode Resistant



Robusta coffee plantation with nematode resistant BP 308 rootstock

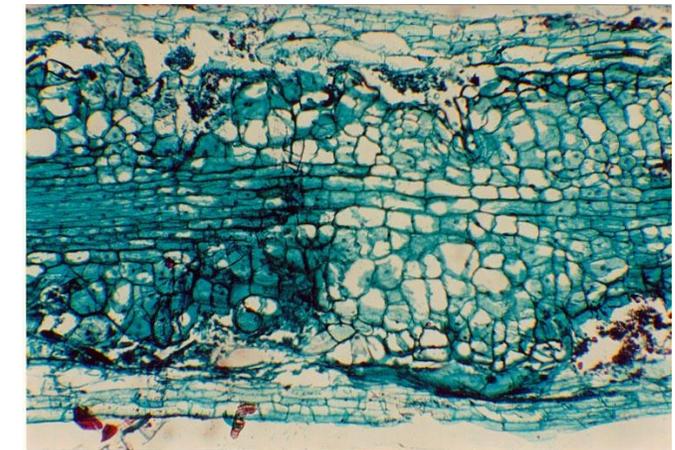
Nematode attack on susceptible coffee clones

# Breeding for Nematode Resistant

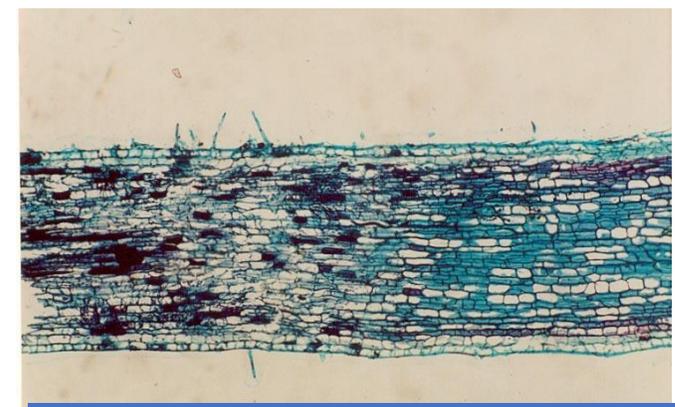


**(Resistant)**

**(Susceptible)**



**Resistant genotype**



**Susceptible genotype**

# Thank You