

CACAO FROSTY POD ROT



Cacao Research Center
Ilhéus - Bahia - Brazil

SAY NO TO CACAO FROSTY POD ROT !!



CACAO FROSTY POD ROT PREVENTION PROGRAM

Ministry of Agriculture, Livestock and Food Supply
Executive Commission of the Cacao Farming Plan
Cacao Research Center

CACAO FROSTY POD ROT

Ilhéus - Bahia - Brazil
2020

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Executive Commission for the Cacao Farming Plan - CEPLAC¹

Bahia State Agricultural Defense Agency - ADAB

¹Km 22, Rod. Ilhéus-Itabuna, Ilhéus-BA, CEP 45.600-970.

Phone: 73 3214-3003 / 3214-3200

Fax: 73 3214-3020

Editor: Ronaldo Costa Argôlo

Organization: Ronaldo Costa Argôlo Filho

Karina Peres Gramacho

Givaldo Rocha Niella

Ramon da Silva Argôlo

Catarina Cotrim de Mattos Sobrinho

Antônio Zózimo de Matos Costa

Layout and Artwork: Ronaldo Costa Argôlo Filho

Translation: Raul Valle, Karina Gramacho, Manfred Müller e Valeska Marques

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Moniliophthora roreri I. Executive Commission os the Cacao
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Kelly Lemos da Silva CRB1 - 1880



Hi, I'm Cacao joe!!

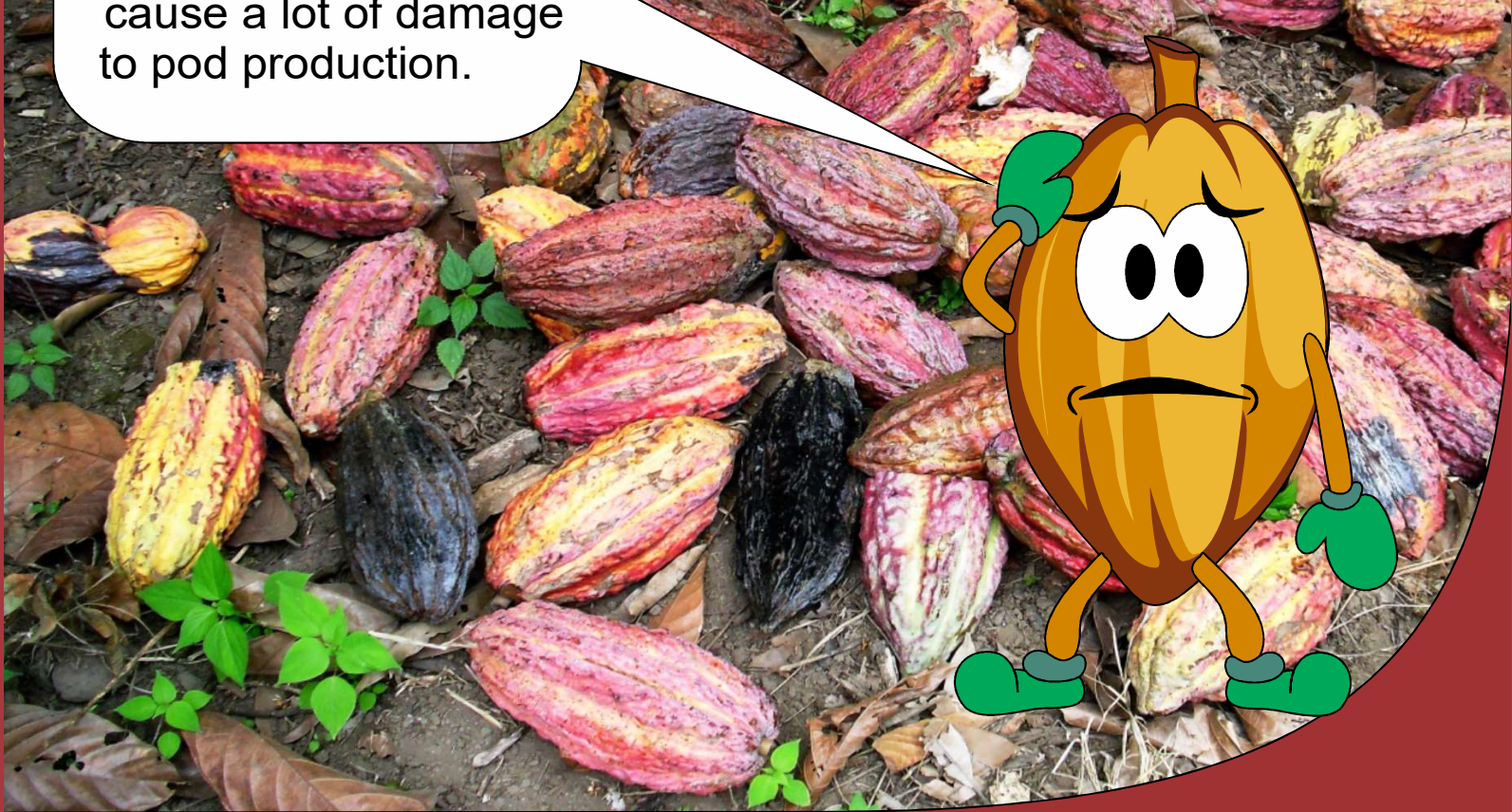
I would like to talk with you
about a disease absent
in Brazil, but very
dangerous to the cocoa tree
and how can we avoid it.

FROSTY POD ROT,

Can you help me?



Frosty pod rot is a very **AGGRESSIVE** disease and if it gets to your property will cause a lot of damage to pod production.



Symptoms

Frost pod rot is caused by a fungus called *Moniliophthora roreri*, which attacks only the cacao pods in any development phase.



The youngest pods are the most damaged, showing initially lumps (bumps) and depressions

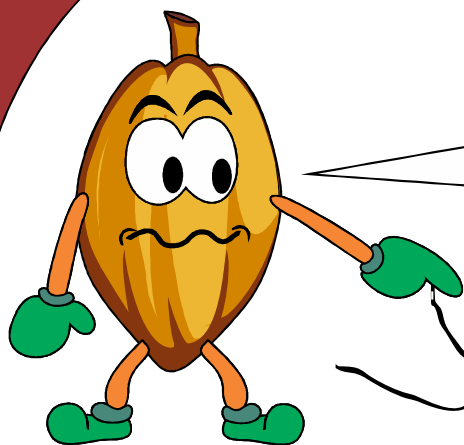
Chocolate or dark brown spots appear 45 to 90 days after infection.



After 5 to 12 days the fungus appears and produces a powder that contains billions of spores that will be dispersed in the environment, infecting new pods. Besides the wind, spores are also carried by rain, insects, wild animals and men.

Where does it occurs?

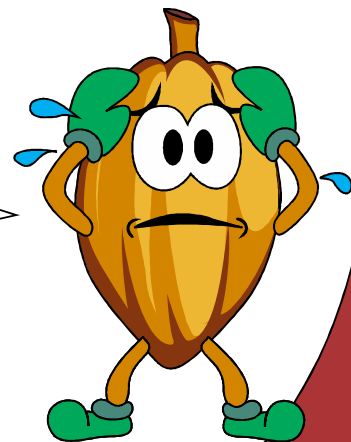
ATTENTION!! The disease is already found in several countries that border Brazil. Look at the map.



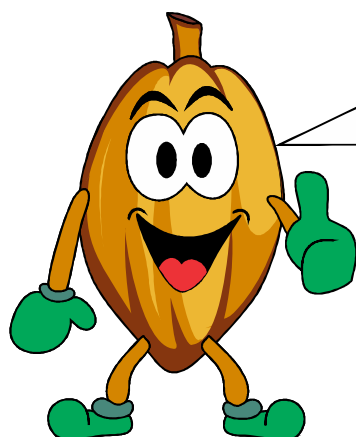
Frosty pod rot is very near to our country!!

In 2012 it was identified in Bolivia and in 2016 in Jamaica.

We need to prevent this terrible disease to reach our cacao crops



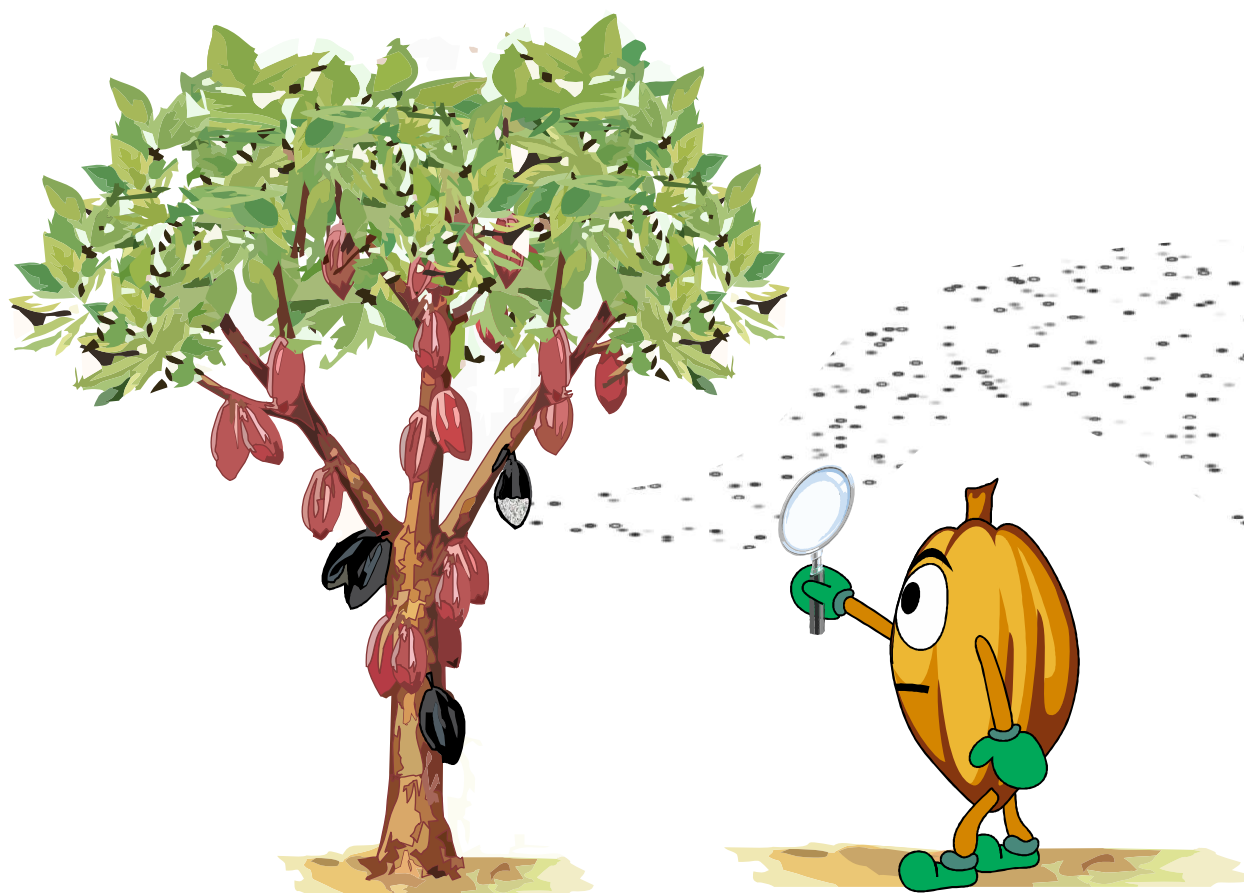
How to avoid the plague?



Brazil does not have frosty pod rot. If we work together, we can prevent that the disease reaches our country:

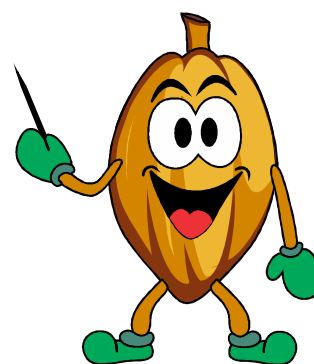
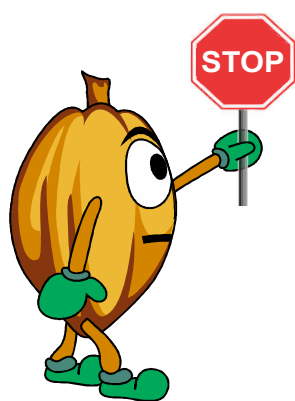
See some actions that we can take.

- Pod monitoring during the fruiting period;
- In addition to cacao, cupuassu and wild cacao (*Herrania sp.*) may be affected and transmit the disease;
- If any pod suspected of disease is found, do not remove the pods of the tree! Isolate the area and notify the authorities immediately. Remember that the pod carries the spores and can spread the disease.



How to avoid the plague?

Do not transit with pods, uncertified seedlings and bags, which represent a risk of disease introduction in free areas, especially when coming from countries with pest occurrence.

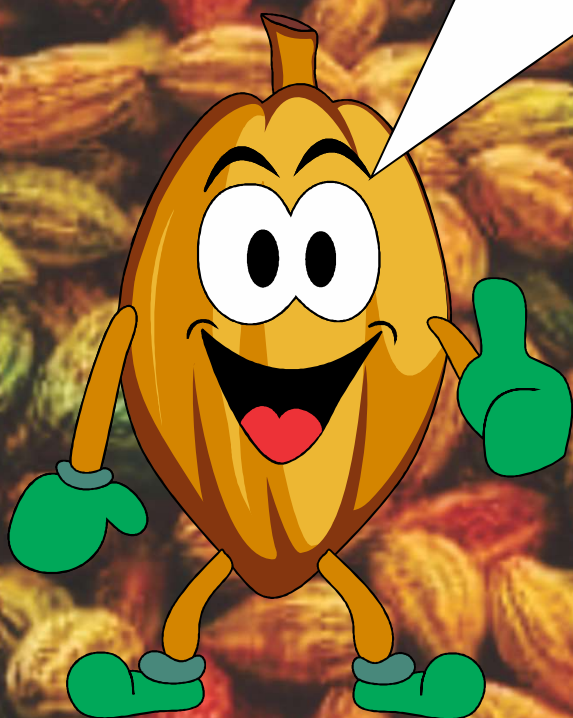


In case of suspicion or detection of frosty pod rot in any material, immediately inform the Agriculture Federal Superintendence - SFA or the Executive Commission for the Cacao Farming Plan - CEPLAC or the Defense Agropecuary Agency of your state.



PREVENTION is the best control!!!

Producer, we count
on YOU!!



REALIZATION:



MINISTRY OF
AGRICULTURE, LIVESTOCK
AND FOOD SUPPLY



PÁTRIA AMADA
BRASIL
BRAZILIAN GOVERNMENT