

Subdivisio: **ASCOMYCOTINA**

Presjek kroz **himenijum** *Ascomycotina*

- ***askus,***
- ***askospora,***
- ***parafiza.***

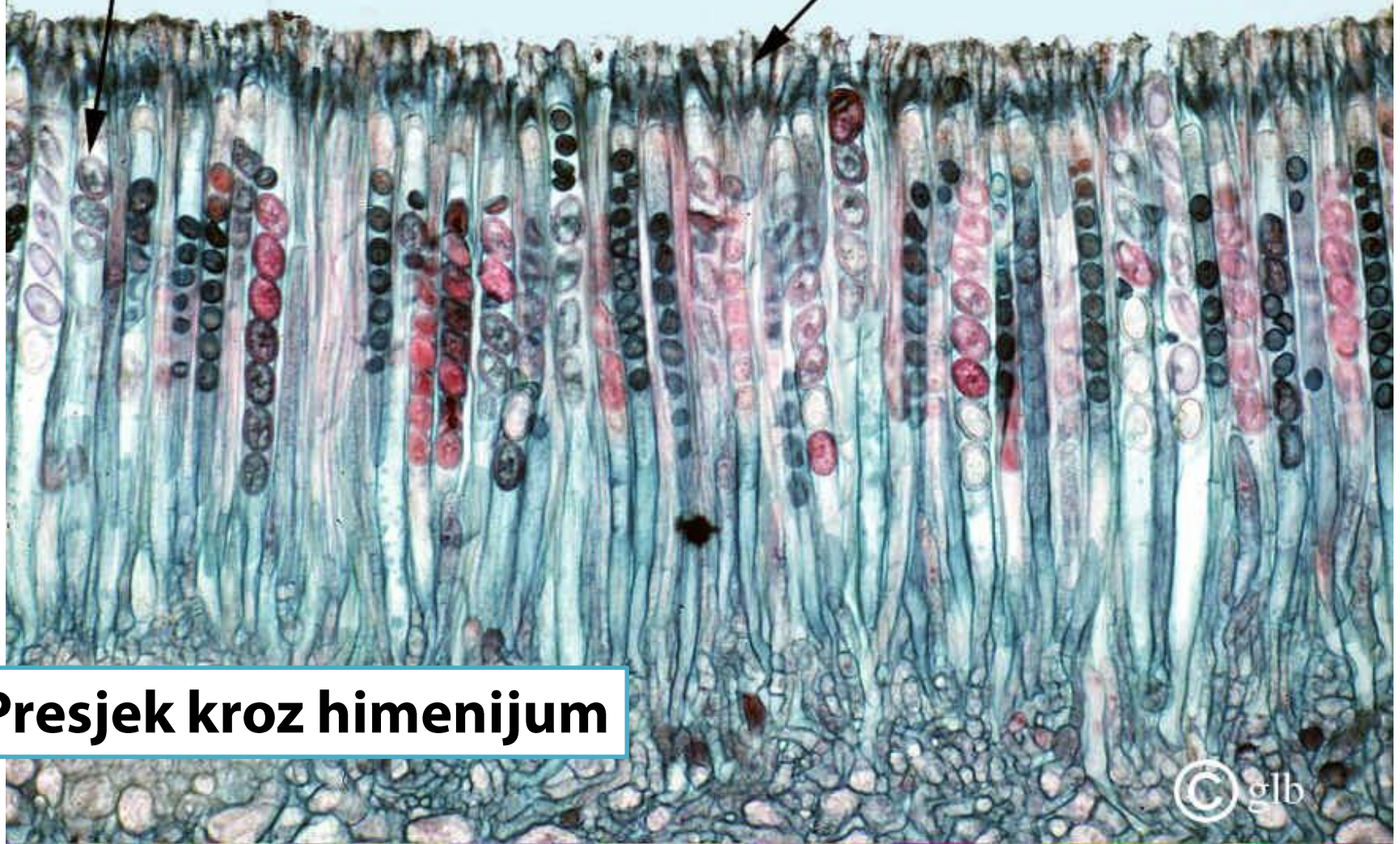
1) Tipovi askokarpa (plodonosnog tijela):

- **kleistotecija,**
- **peritecija,**
- **apotecija,**
- **pseudotecija.**

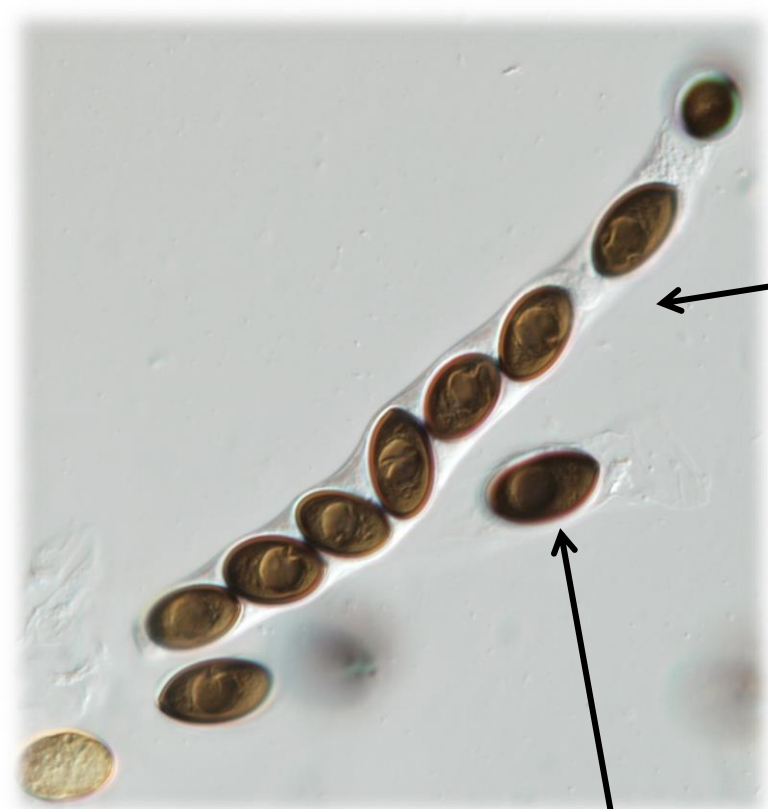
2) Bespolno plodonosno tijelo – **piknidija**

**askus sa
askosporama**

parafize



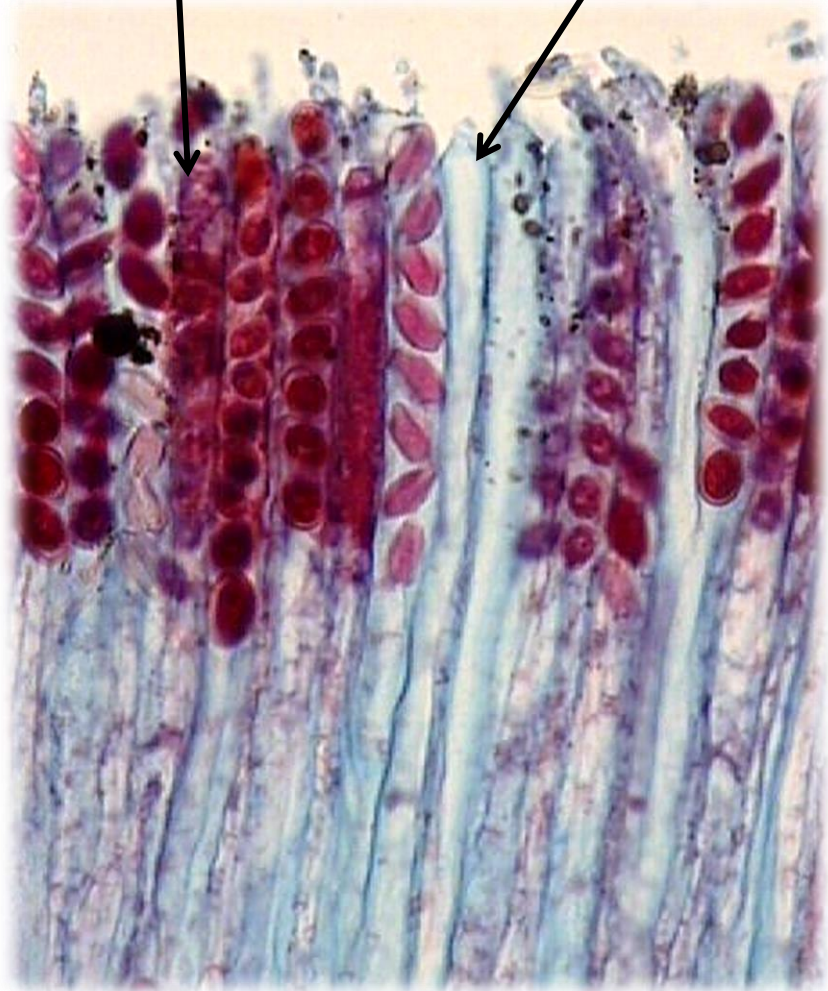
Presjek kroz himenijum



askospora

askus sa askosporama

parafize



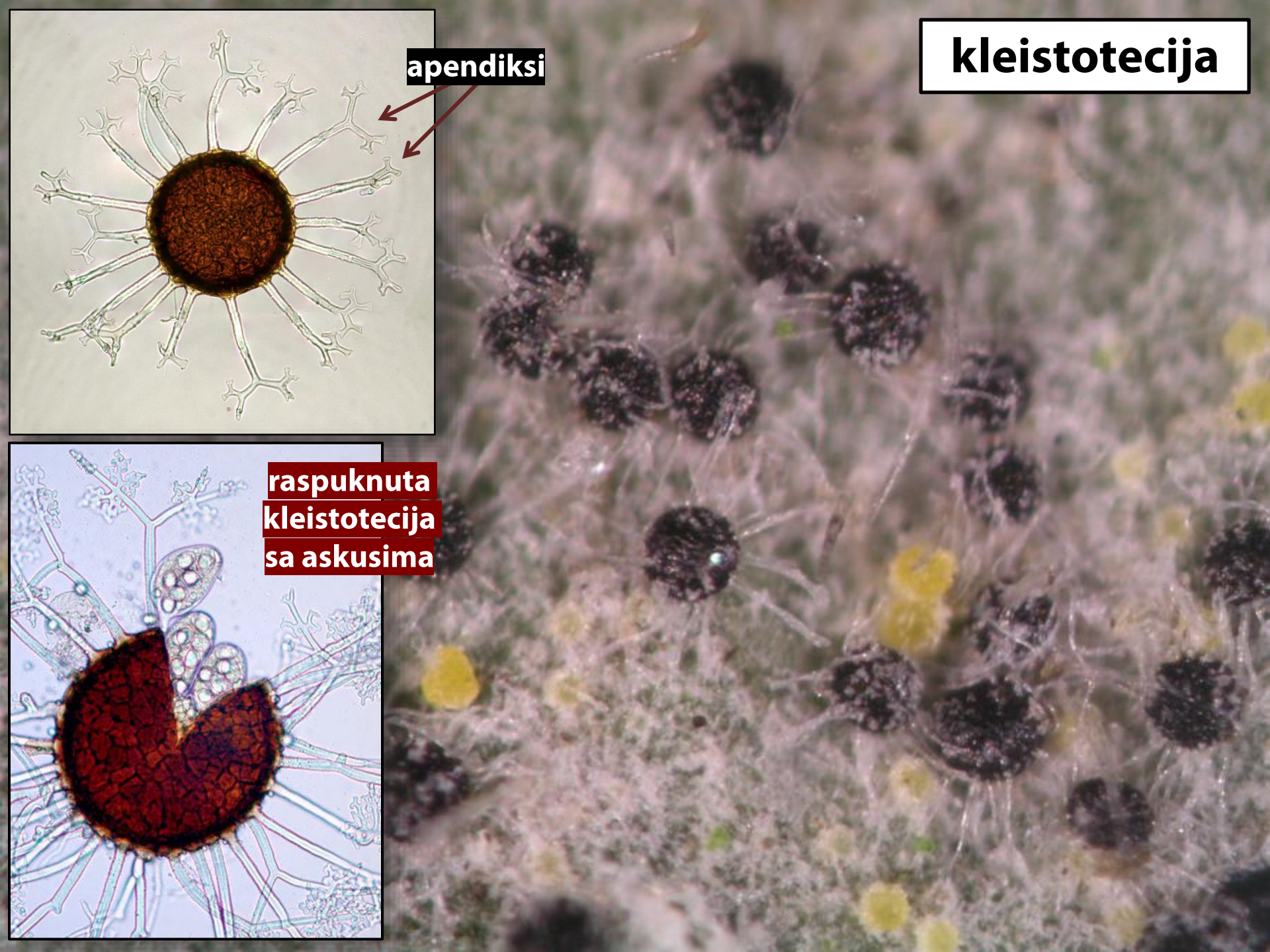
**Presjek kroz himenijum
*Ascomycotina***

kleistotecija

apendiksi

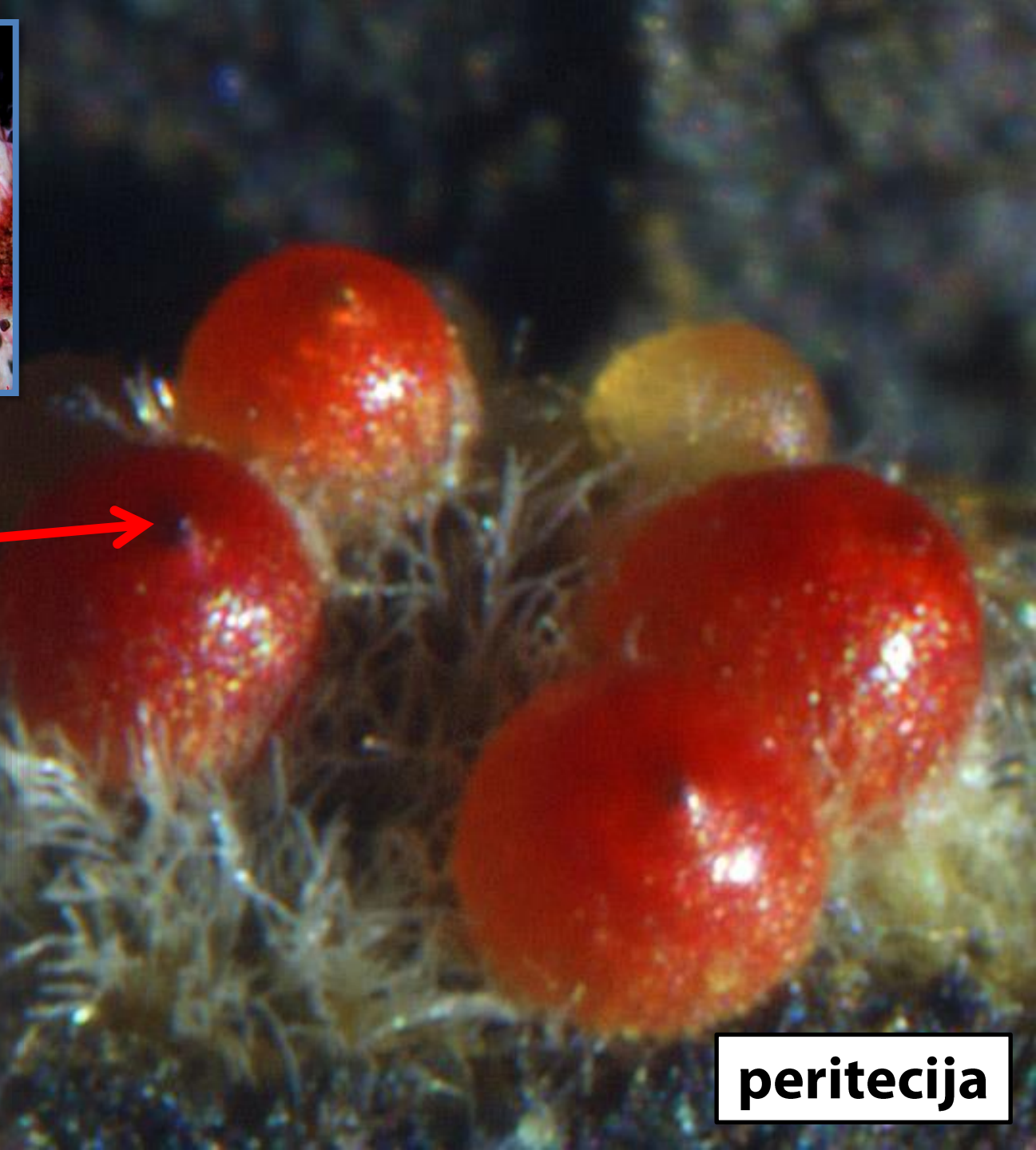


**raspuknuta
kleistotecija
sa askusima**





himenijum



ostiolum



peritecija



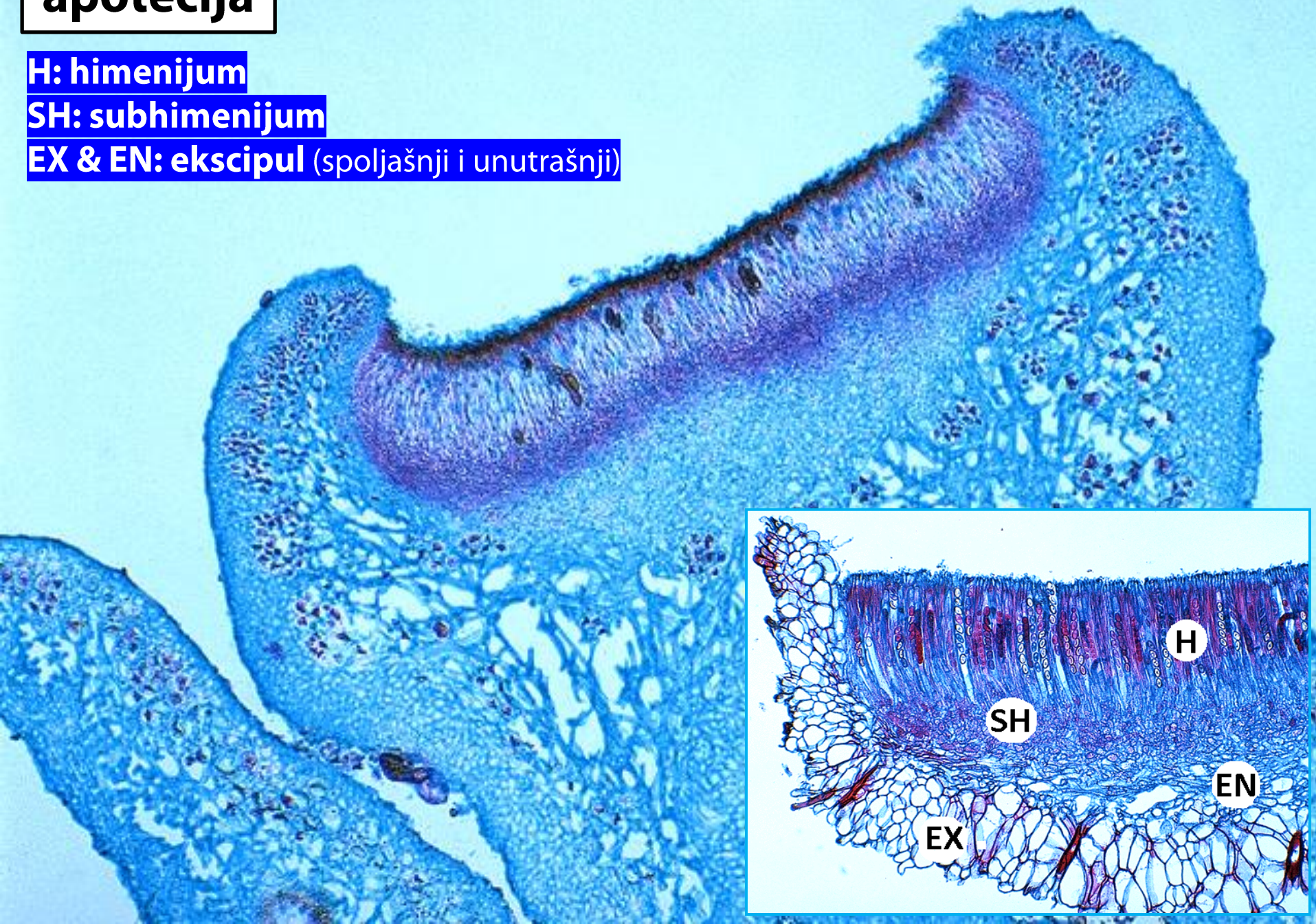
apotecija

apotecija

H: himenijum

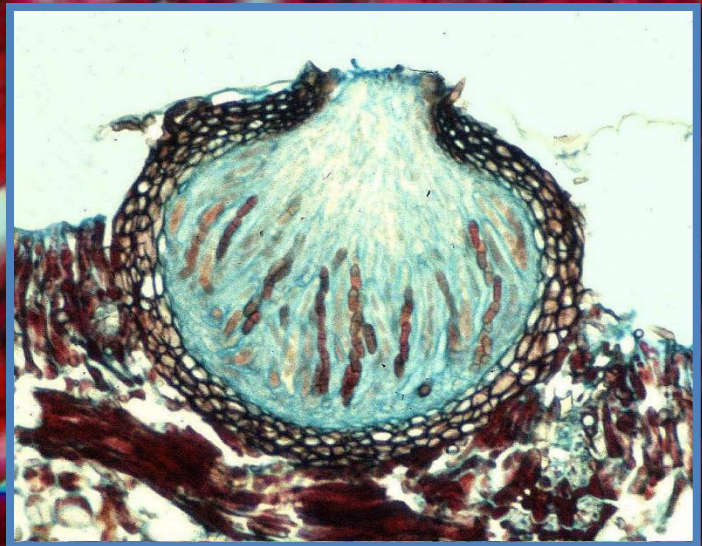
SH: subhimenijum

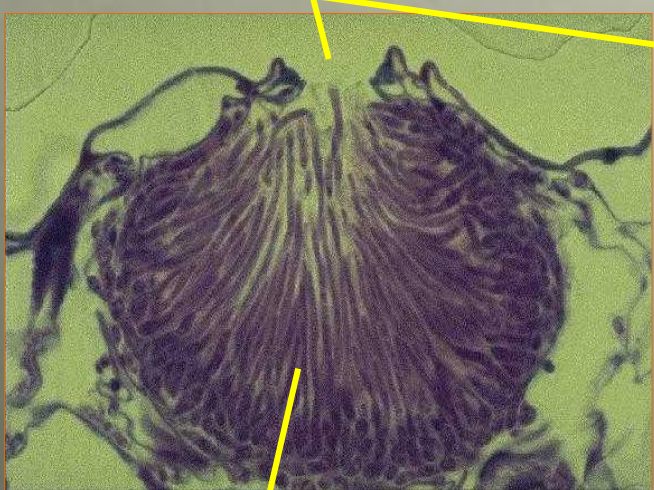
EX & EN: ekscipul (spoljašnji i unutrašnji)



lokule sa
himenijumom

pseudotecija





ostiolum

**konidiofori
sa konidijama**

piknidiya

200 μm

5505723

Classis: **HEMIASCOMYCETES**

Ordo: **ENDOMYCETALES**

Familia: Saccharomycetaceae

Saccharomyces cerevisiae (pivski/pekarski kvasac)

Ordo: **TAPHRINALES**

Familia: Taphrinaceae

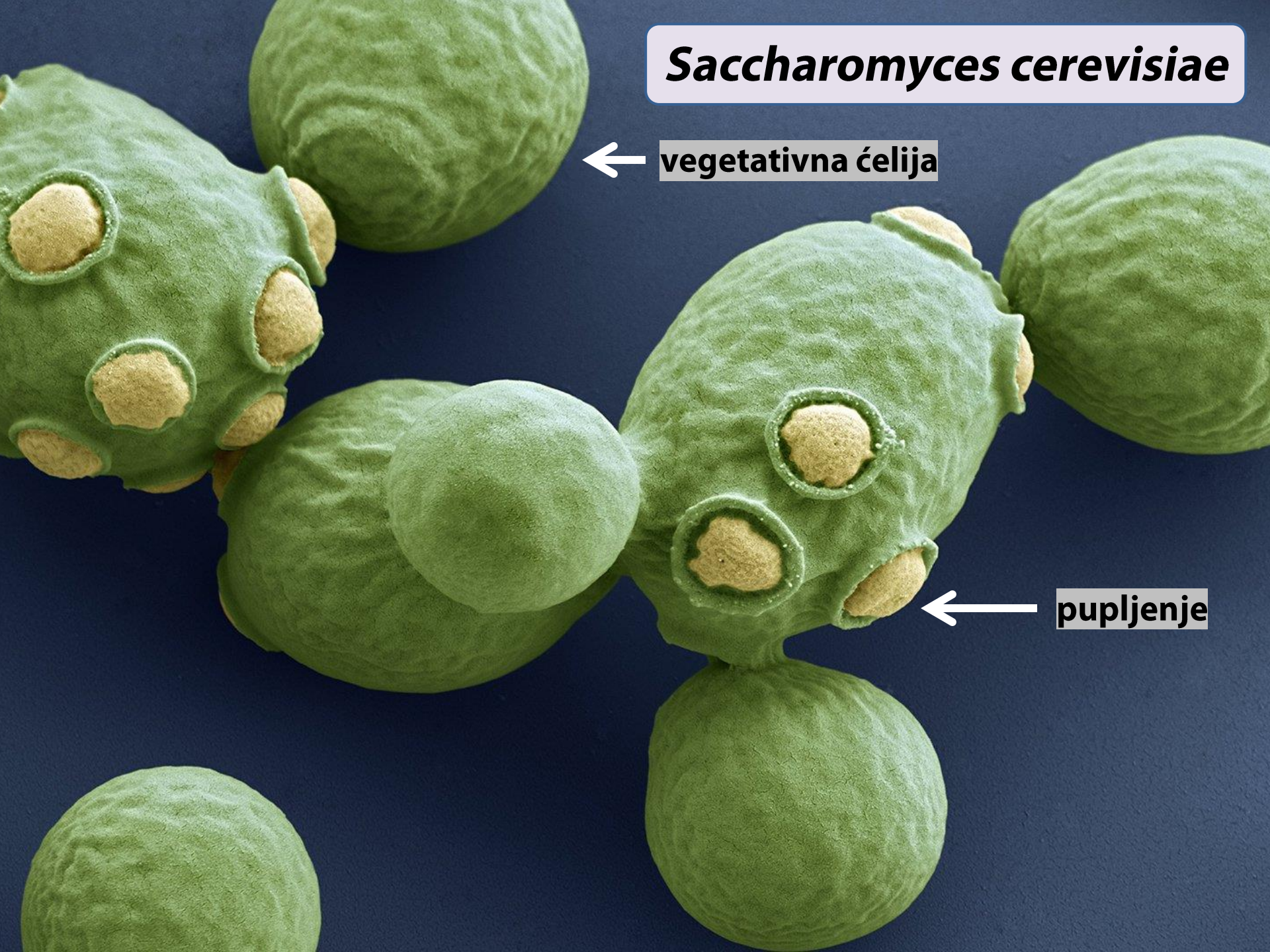
Taphrina pruni (rogač/pasuljica)

Taphrina deformans (kovrdžavost lista breskve)

Saccharomyces cerevisiae

← vegetativna ćelija

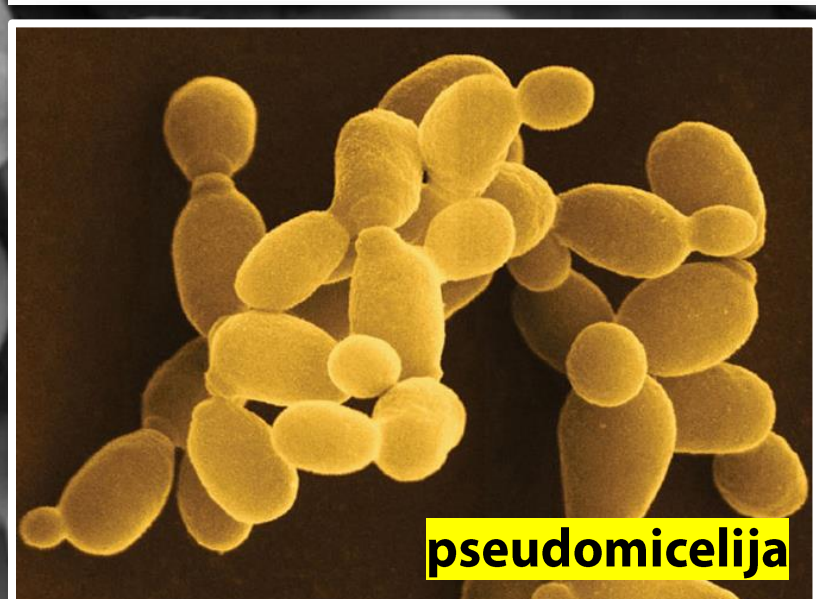
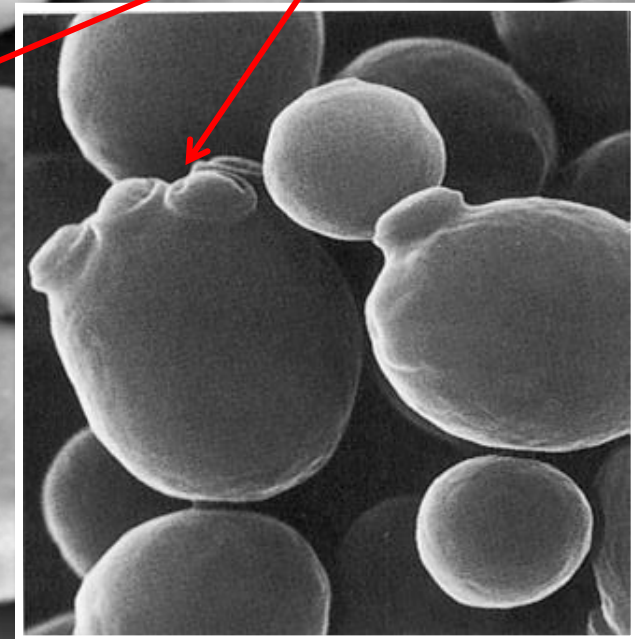
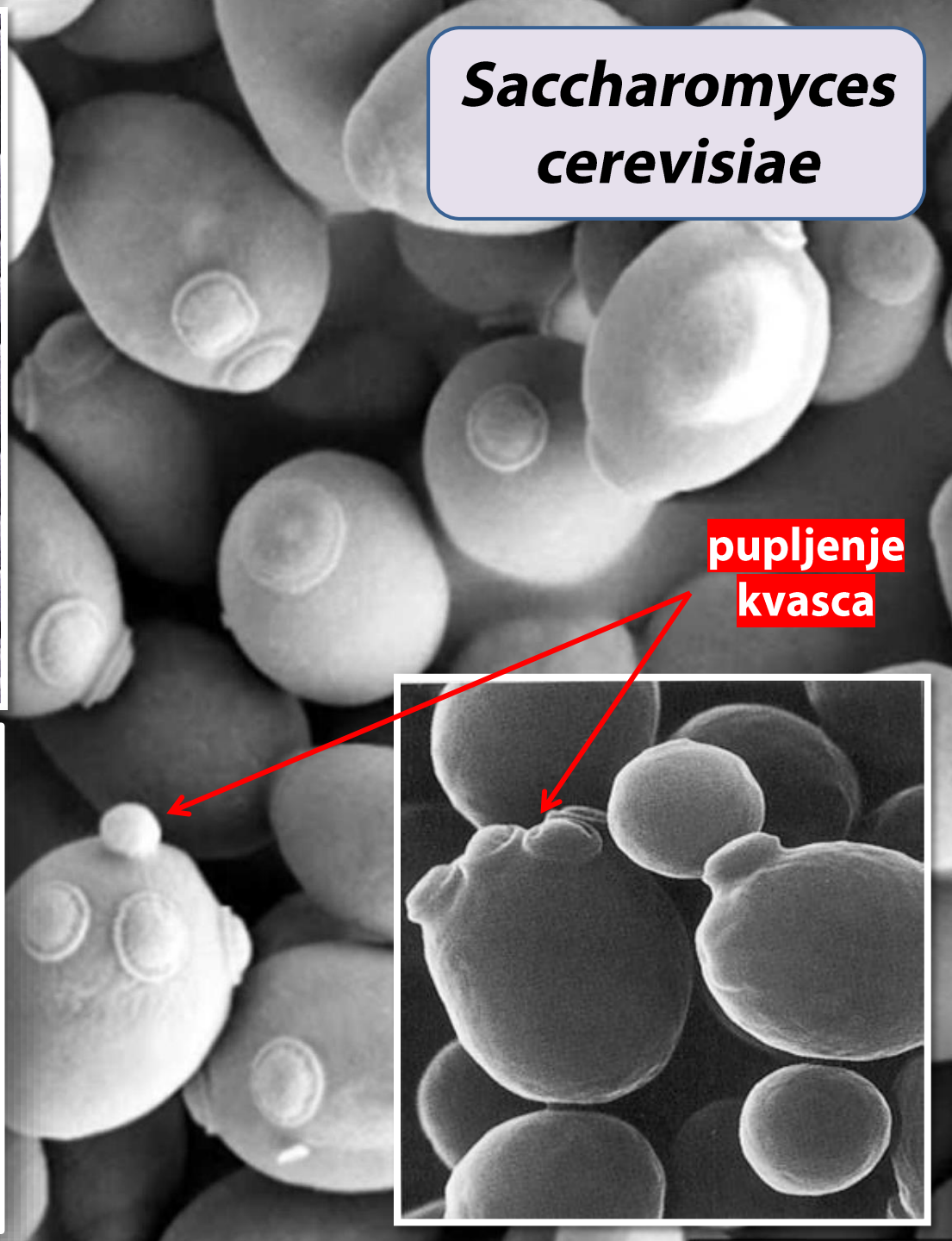
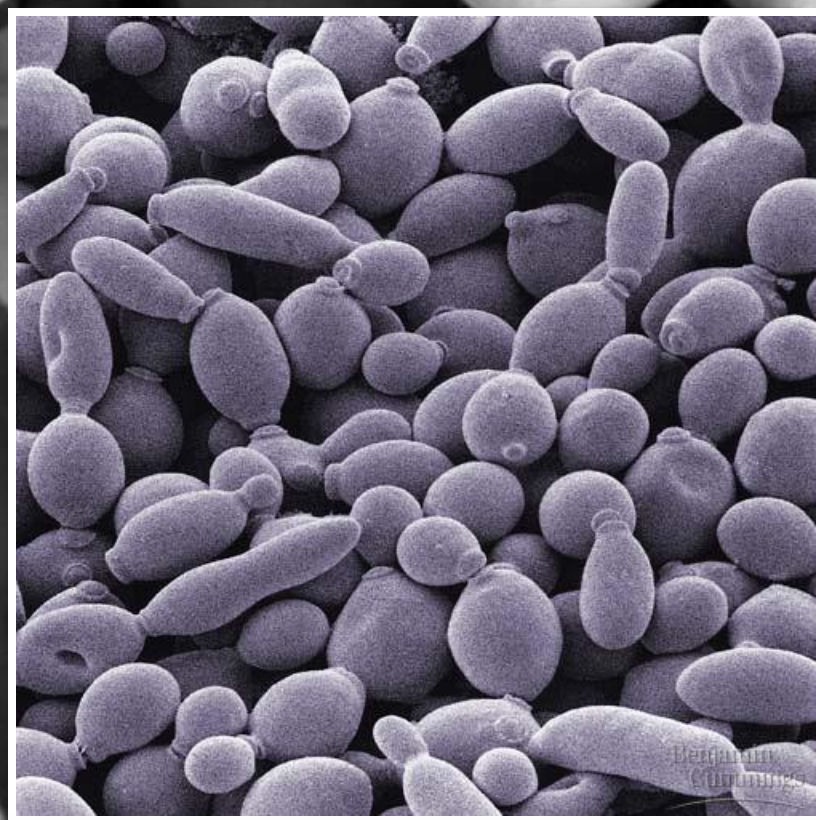
← pupljenje



Saccharomyces cerevisiae

pupljenje
kvasca

pseudomicelija





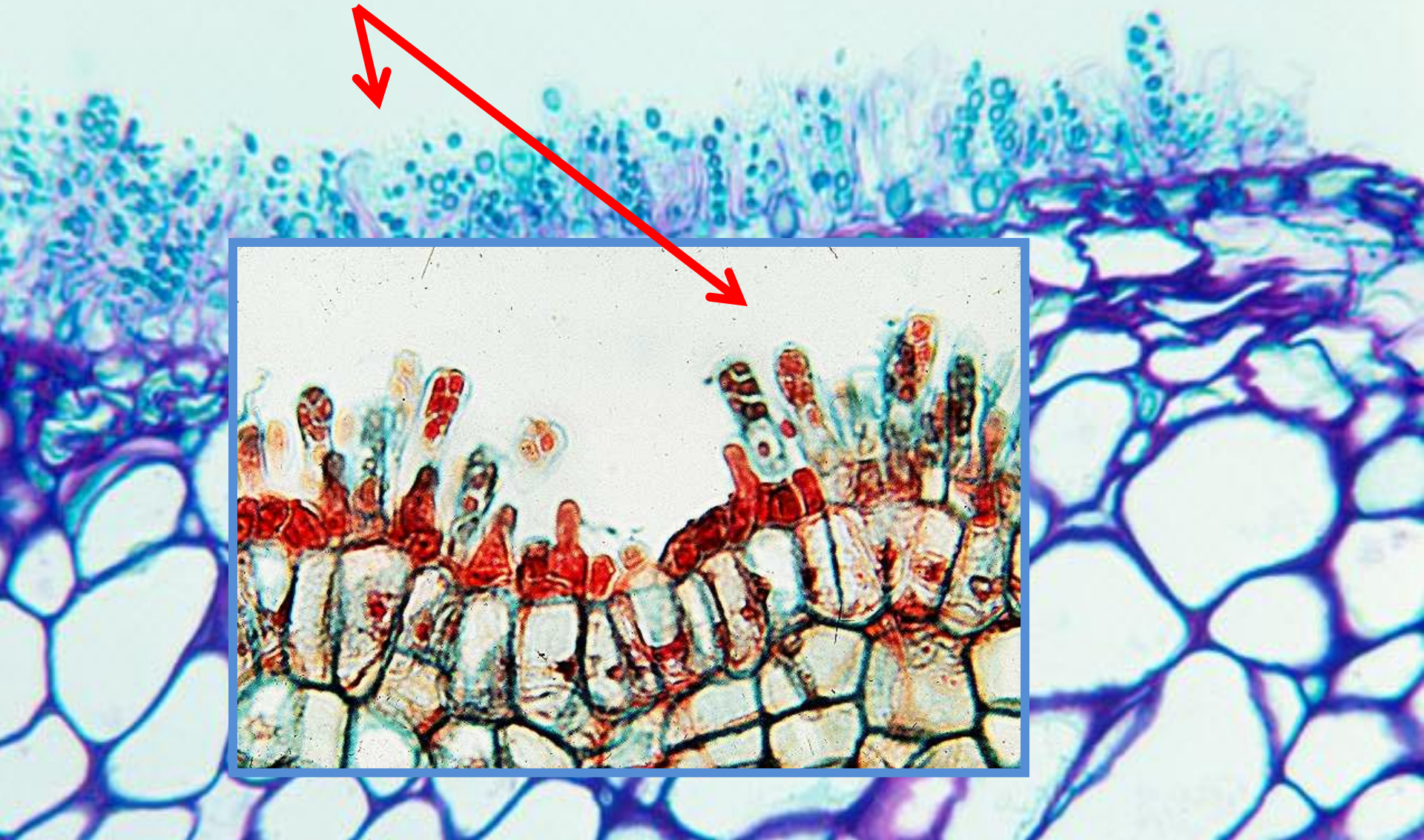
Taphrina pruni

Taphrina deformans



Taphrina deformans

askusi na površini
naličja lista



Classis: **PYRENOMYCETES**

Ordo: ERYSIPIHALES

Familia: Erysiphaceae

Erysiphe graminis

Microsphaera alphitoides (pepelnica hrasta)

Uncinula necator (pepelnica vinove loze)

Podosphaera leucotricha (pepelnica jabuke)

Ordo: SPHAERIALES

Familia: Polystigmataceae

Polystigma rubrum (plamenjača šljive)

Familia: Hypocreaceae

Fusarium graminearum

Nectria cinnabarina

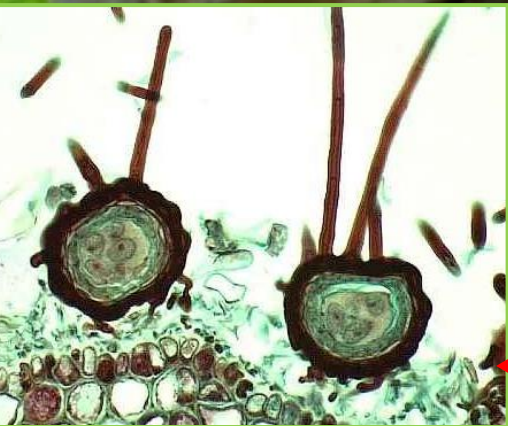
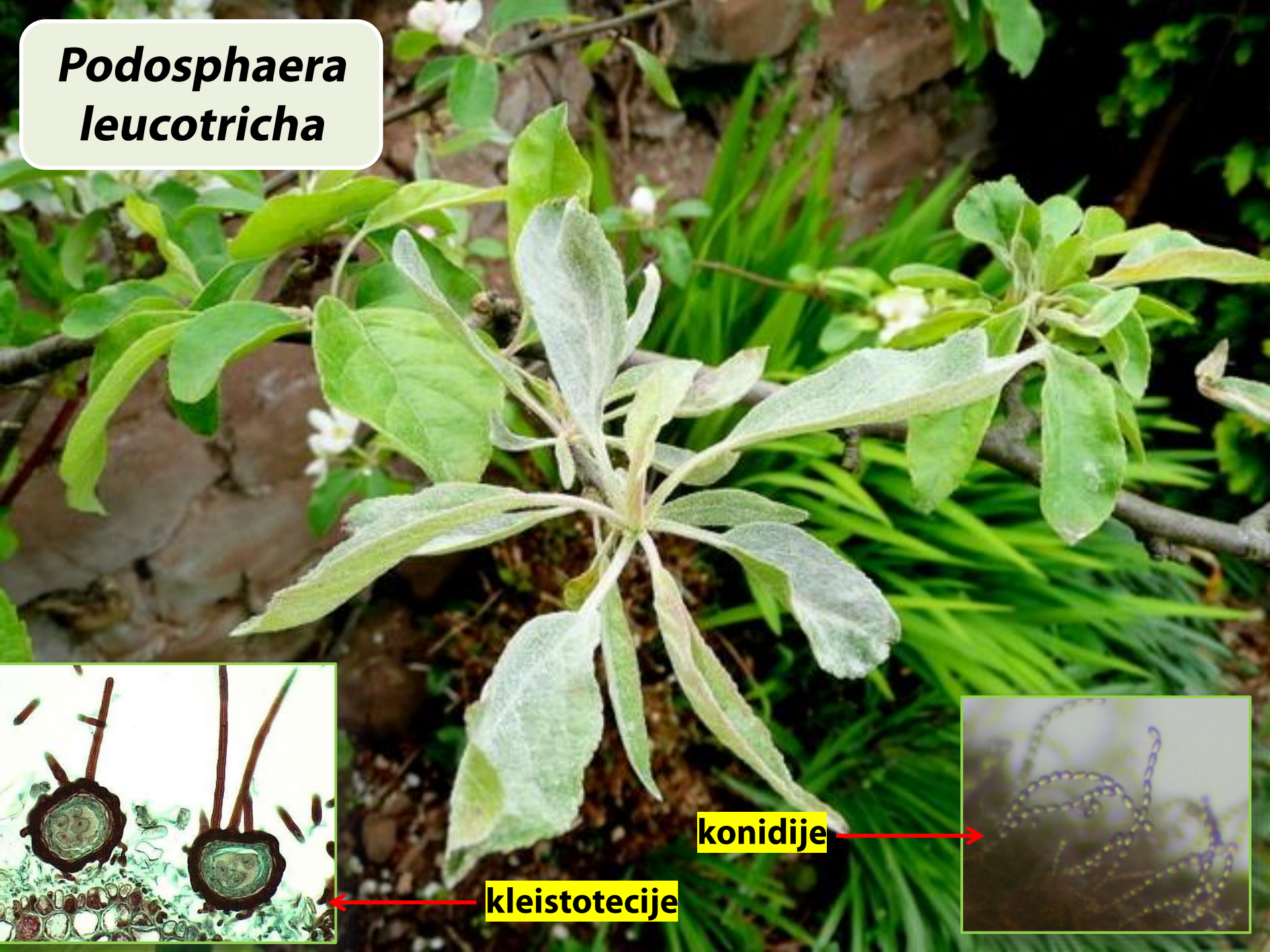
Podosphaera leucotricha

micelijum
gljive



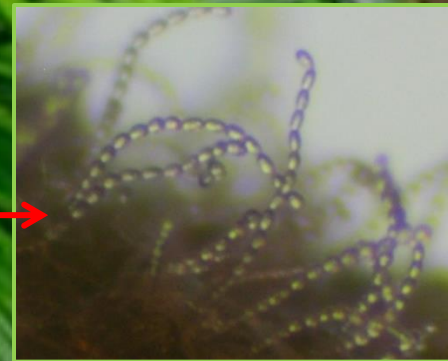
micelijum
gljive

***Podosphaera
leucotricha***

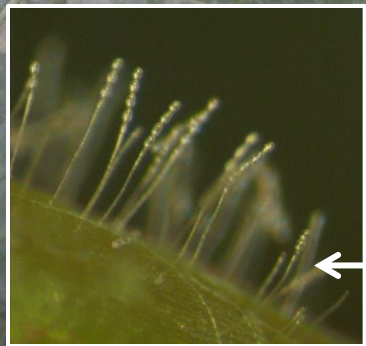
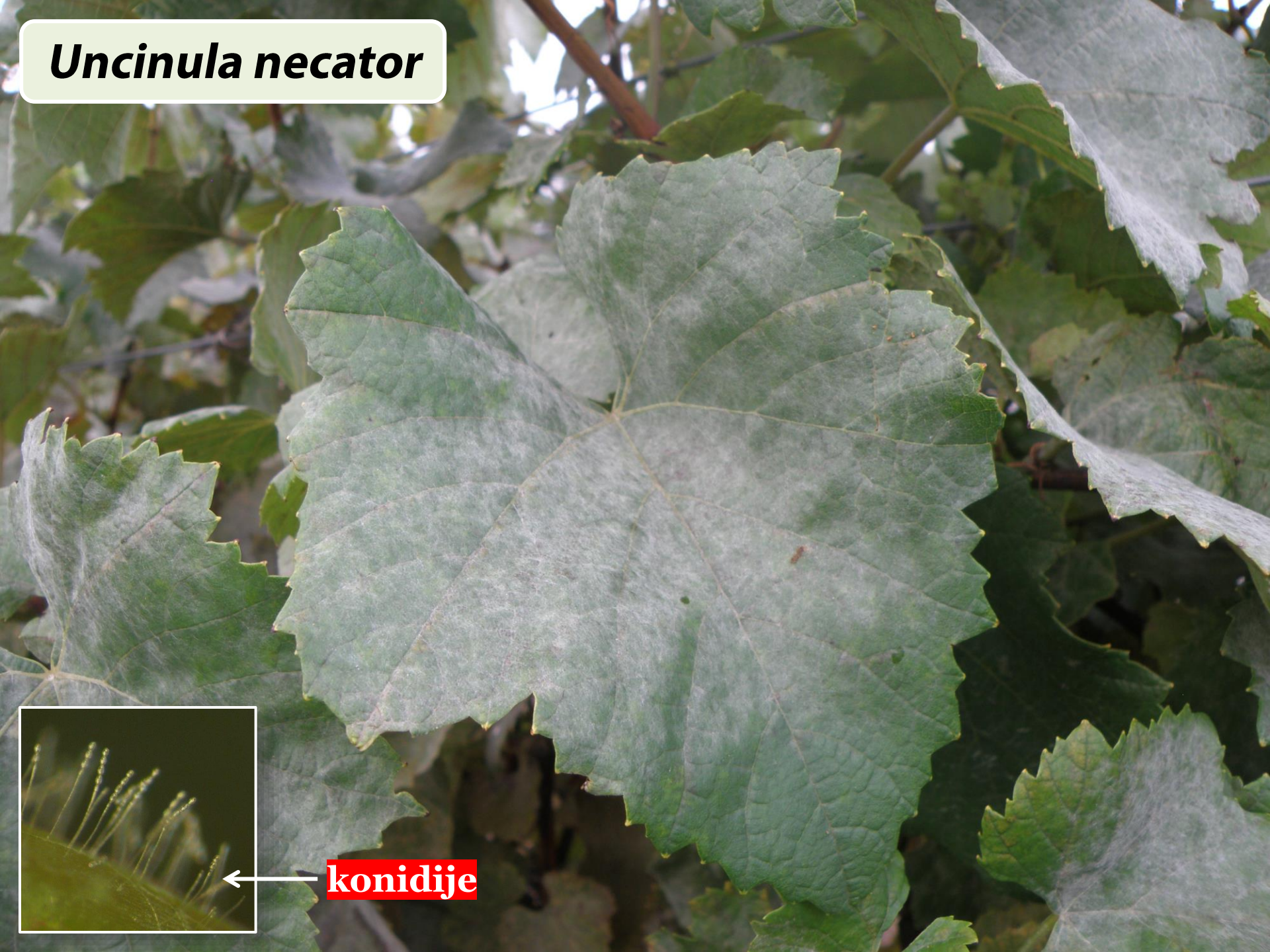


kleistotecije

konidije



Uncinula necator



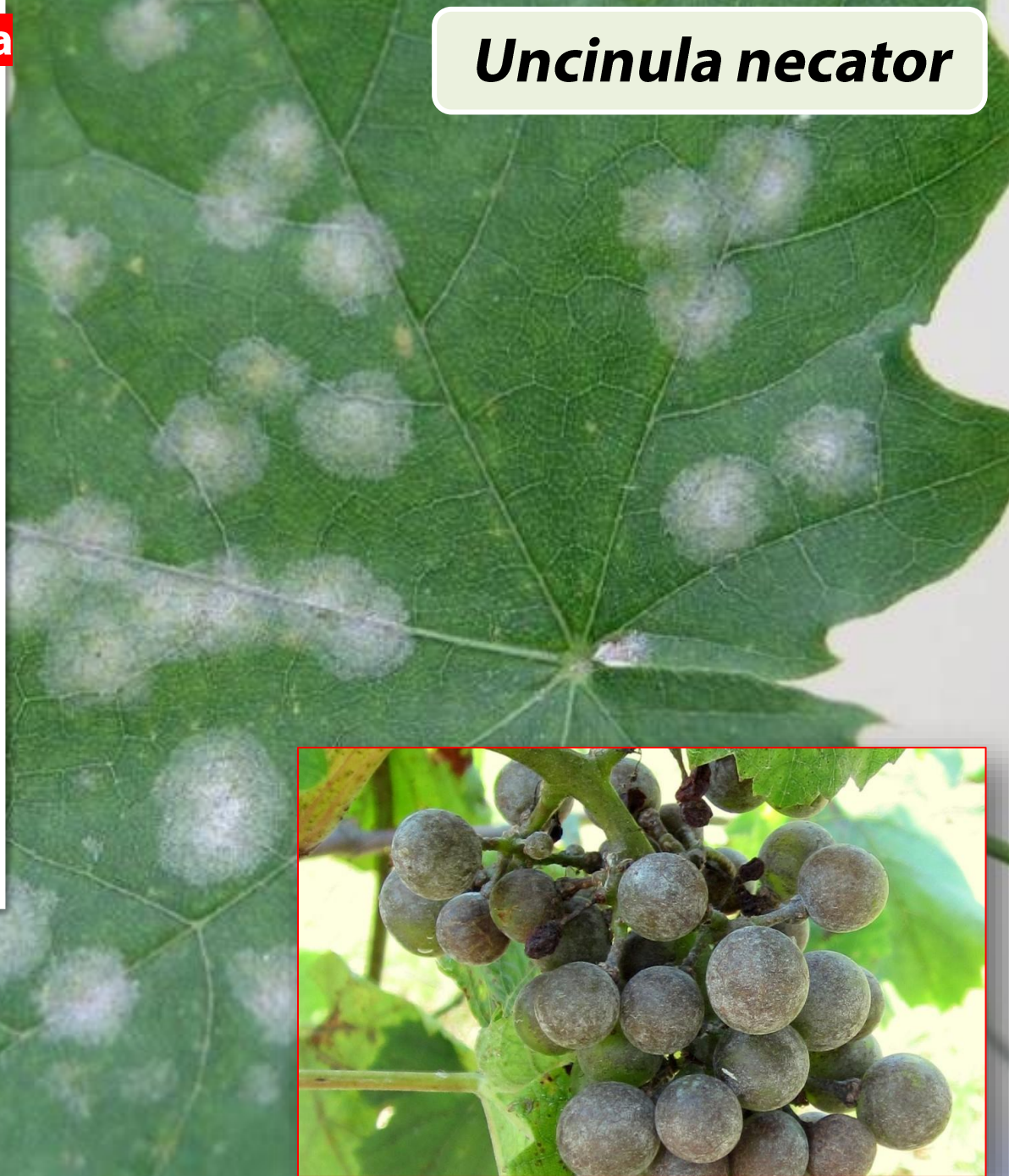
← **konidije**

Uncinula necator

kleistotecija



micelijum
gljive





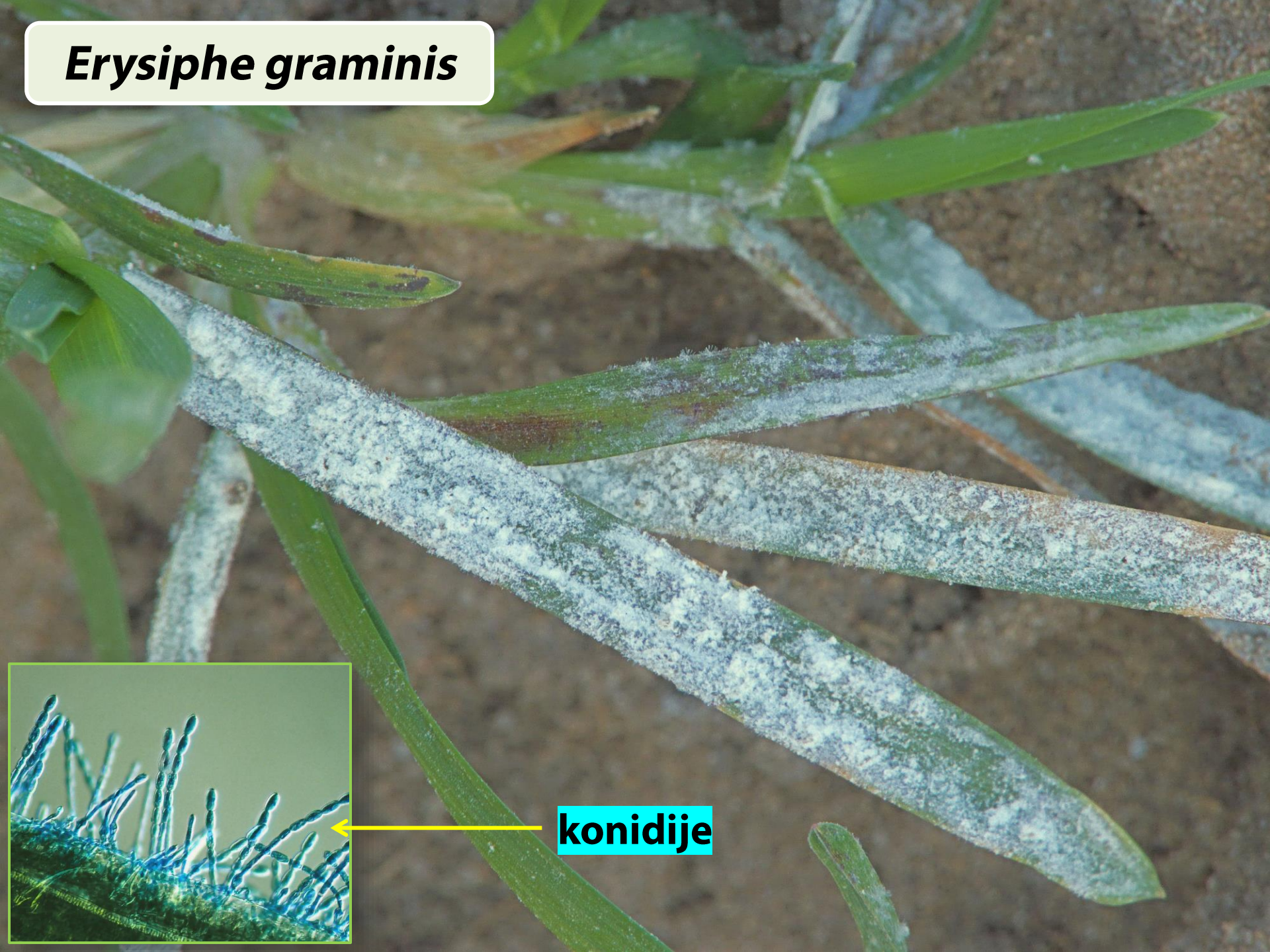
***Microsphaera
alphitoides***

**micelijum gljive
sa kleistotecijama**

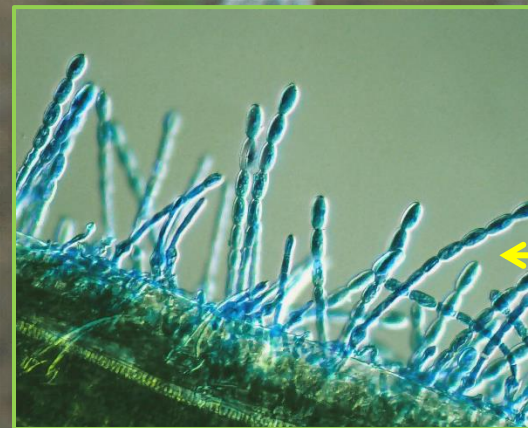


***Microspphaera
alphitoides***

Erysiphe graminis



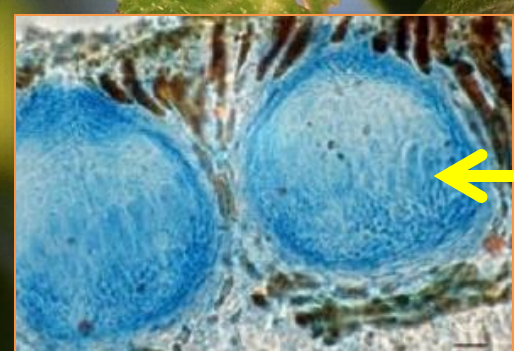
konidije



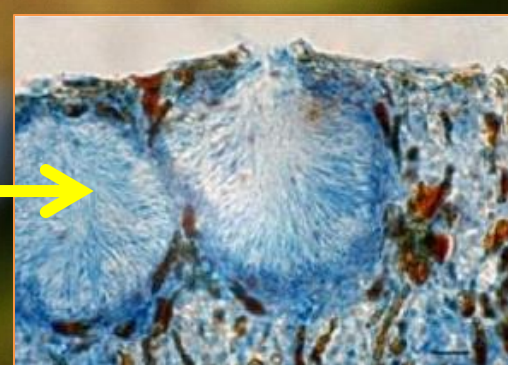
Erysiphe graminis



**micelijum gljive
sa kleistotecijama**



peritecije

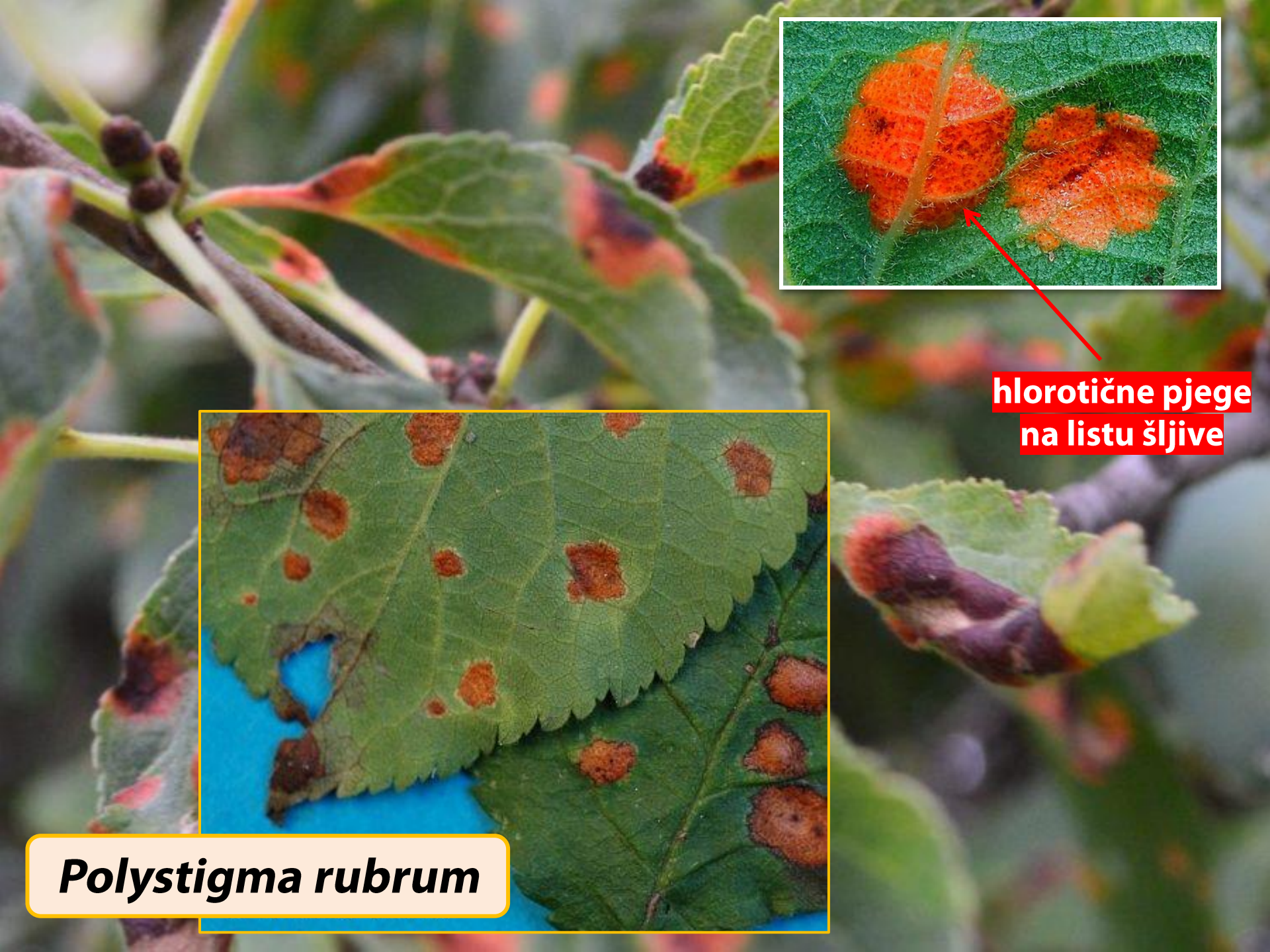


piknidijska



chlorotične
pjege

Polystigma rubrum



**hlorotične pjege
na listu šljive**



Polystigma rubrum

**zdravi i zaraženi
klas pšenice**



Fusarium graminearum



Fusarium graminearum

tamne
peritecije
na
zaraženim
klasovima
pšenice

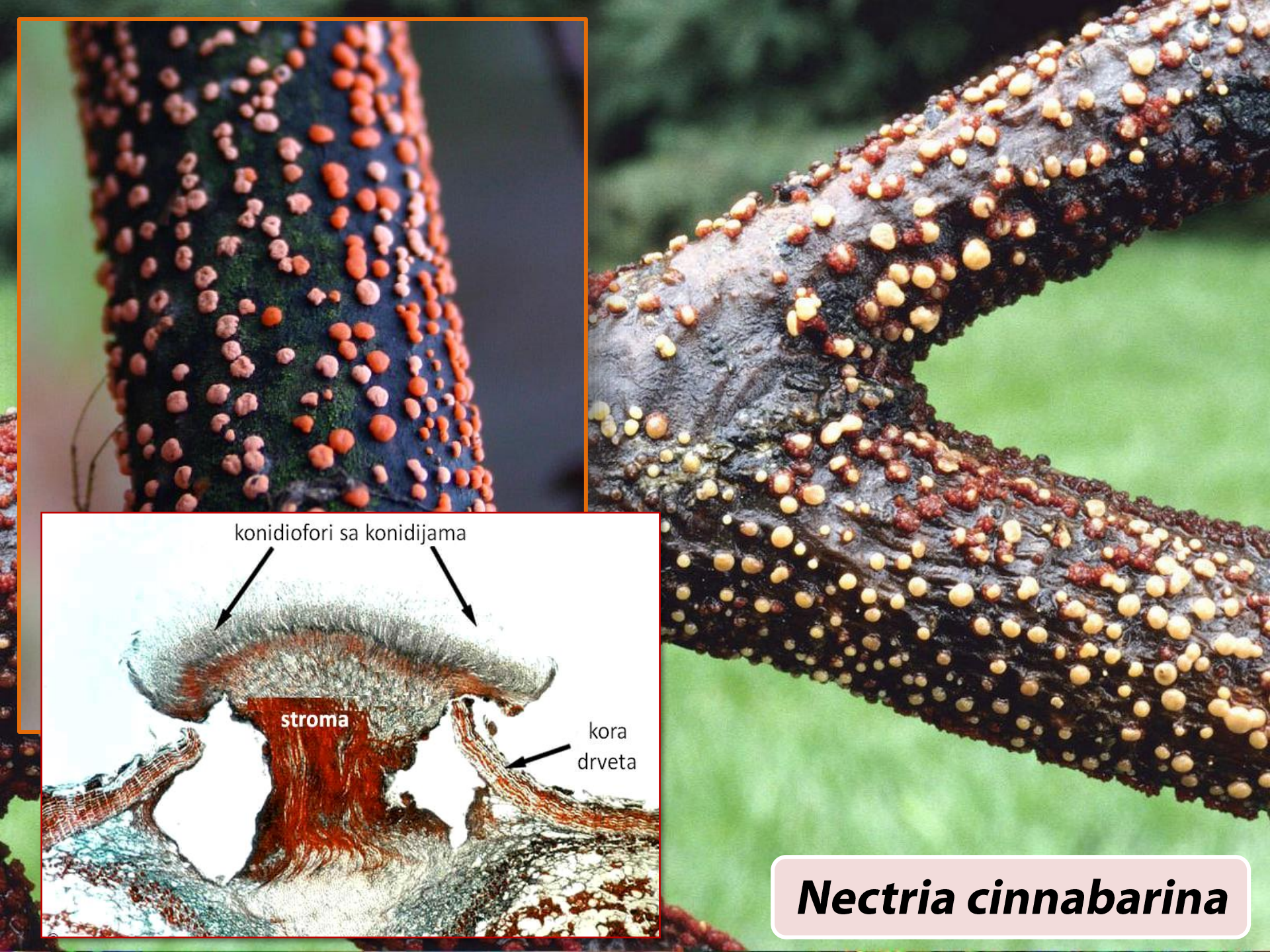


Fusarium graminearum



strome sa
konidioforima

Nectria cinnabarina



konidiofori sa konidijama

stroma

kora
drveta

Nectria cinnabarina

Nectria cinnabarina

peritecije →

strome →



Classis: **DISCOMYCETES**

Ordo: **HELOTIALES**

Familia: **Sclerotiniaceae**

Monilia laxa

Ordo: **PEZIZALES**

Familia: **Pezizaceae**

Peziza spp.

Familia: **Morchellaceae**

Morchella esculenta (smrčak)

Mitrophora sp.

Familia: **Tuberaceae**

Tuber spp. (tartufi)



propadanje ploda trešnje

Monilia laxa

Monilia laxa

apotecije

**mumije za
prezimljavanje**



Peziza varia





Peziza aurantia



akusi sa askoskorama



Peziza repanda

Morchella esculenta



apotecija

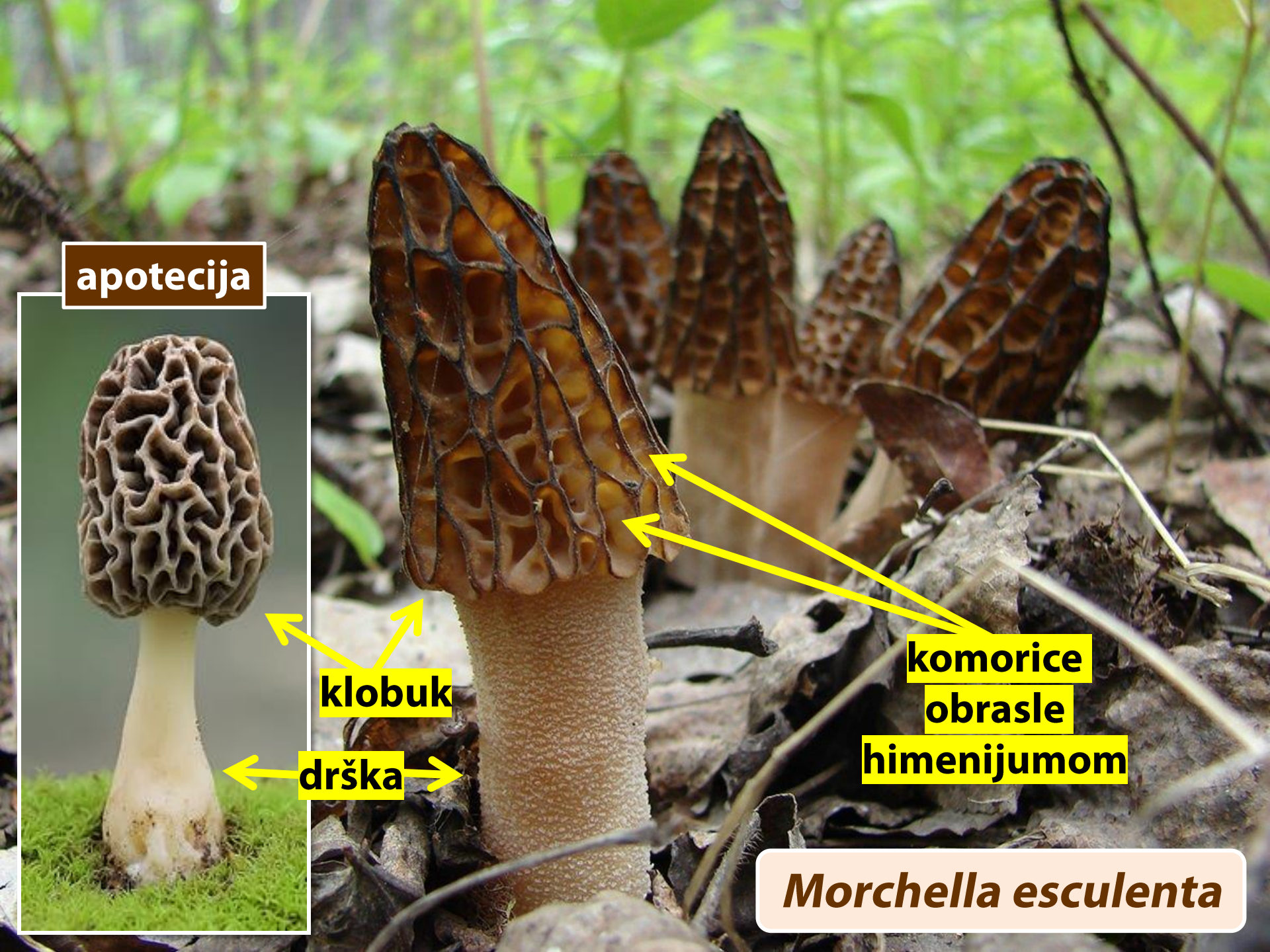


klobuk

drška

**komorice
obrasle
himenijumom**

Morchella esculenta



Mitrophora semilibera

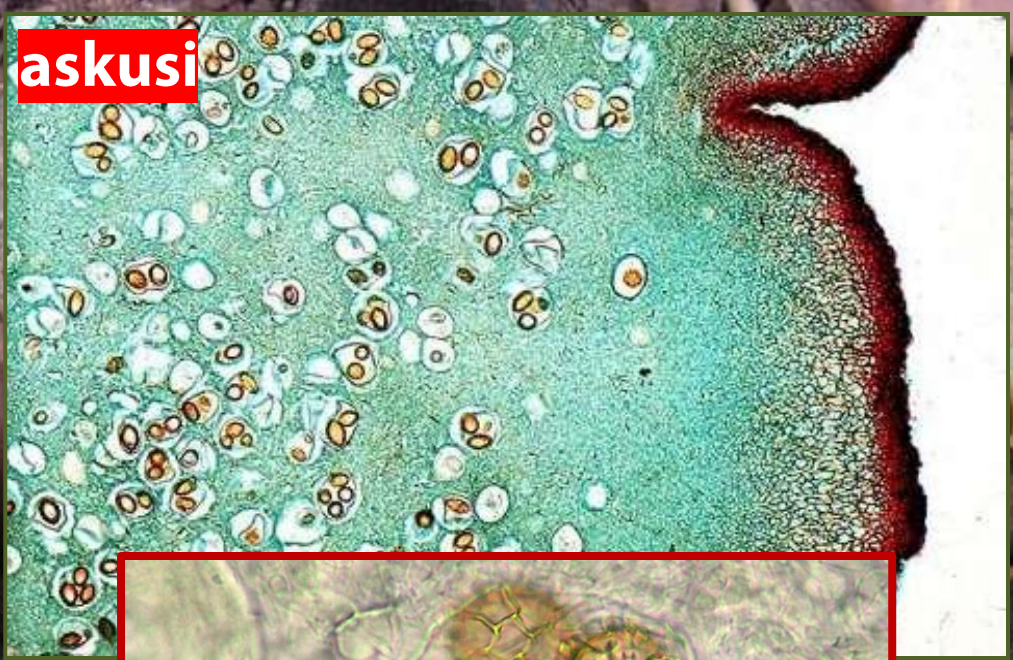




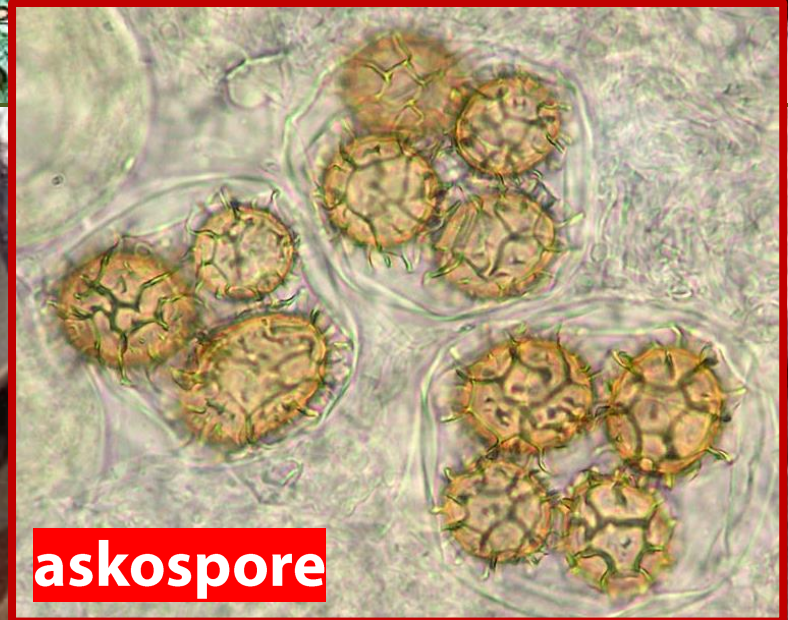
Tuber aestivum



askusi



askospore



Tuber aestivum

Classis: **LOCULOASCOMYCETES**

Ordo: **DOTHIDEALES**

Familia: **Mycosphaerellaceae**

Mycosphaerella fragariae

(bijela pjegavost jagode)

Ordo: **PLEOSPORALES**

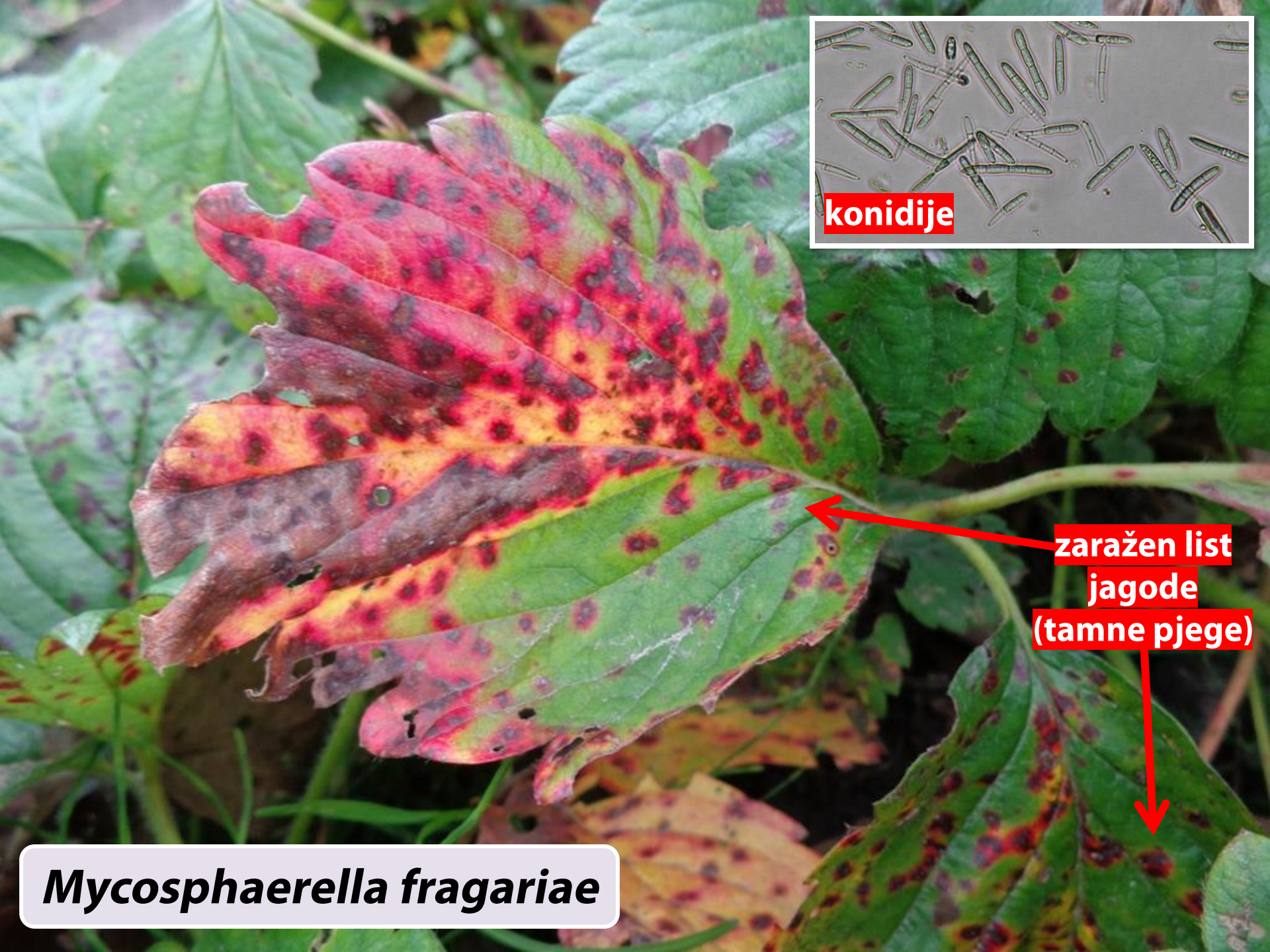
Familia: **Pleosporaceae**

Ophiobolus graminis

Familia: **Venturiaceae**

Venturia inaequalis

(čađava krastavost jabuke)

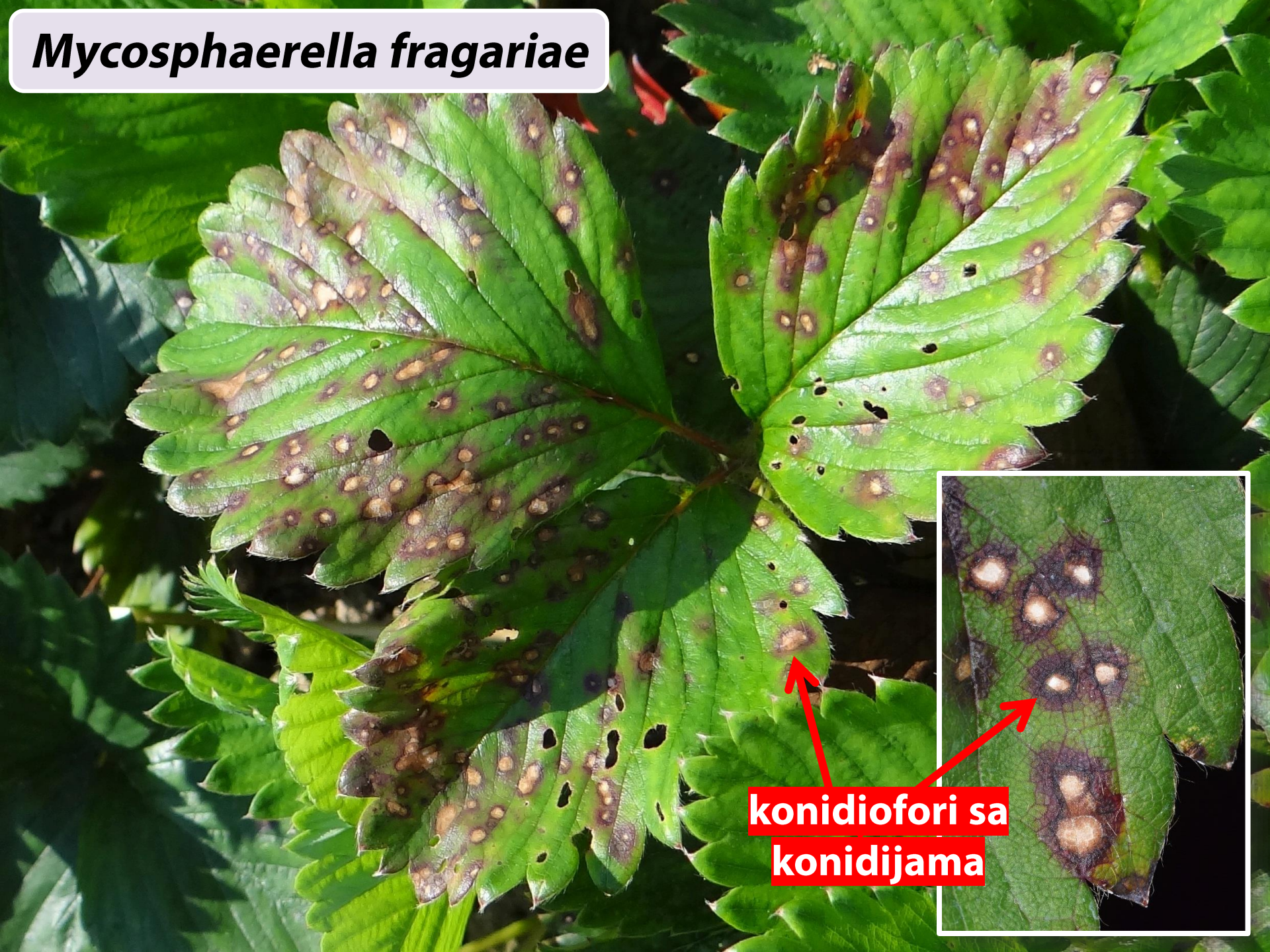


konidije

zaražen list
jagode
(tamne pjege)

Mycosphaerella fragariae

Mycosphaerella fragariae



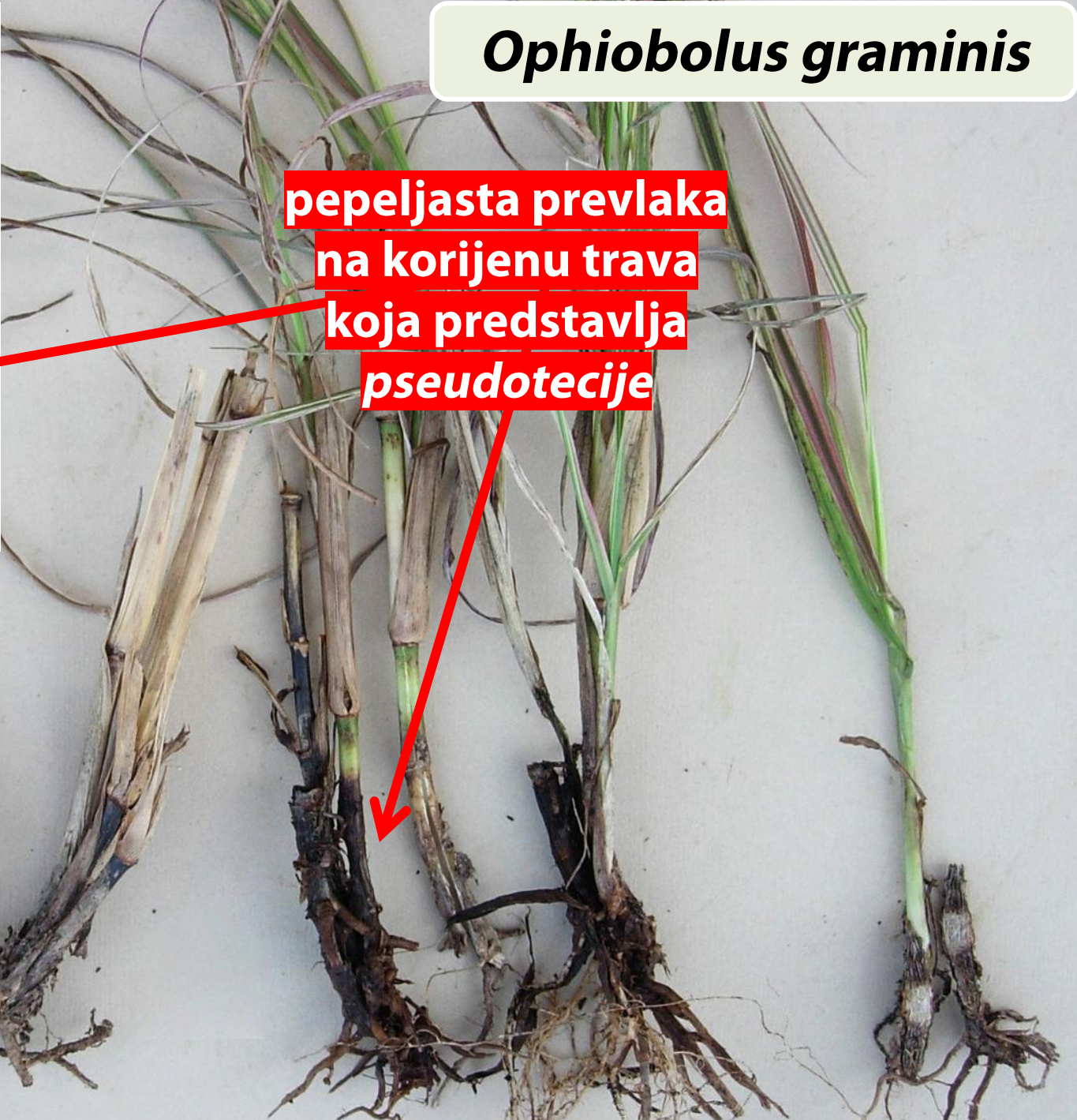
**konidiofori sa
konidijama**



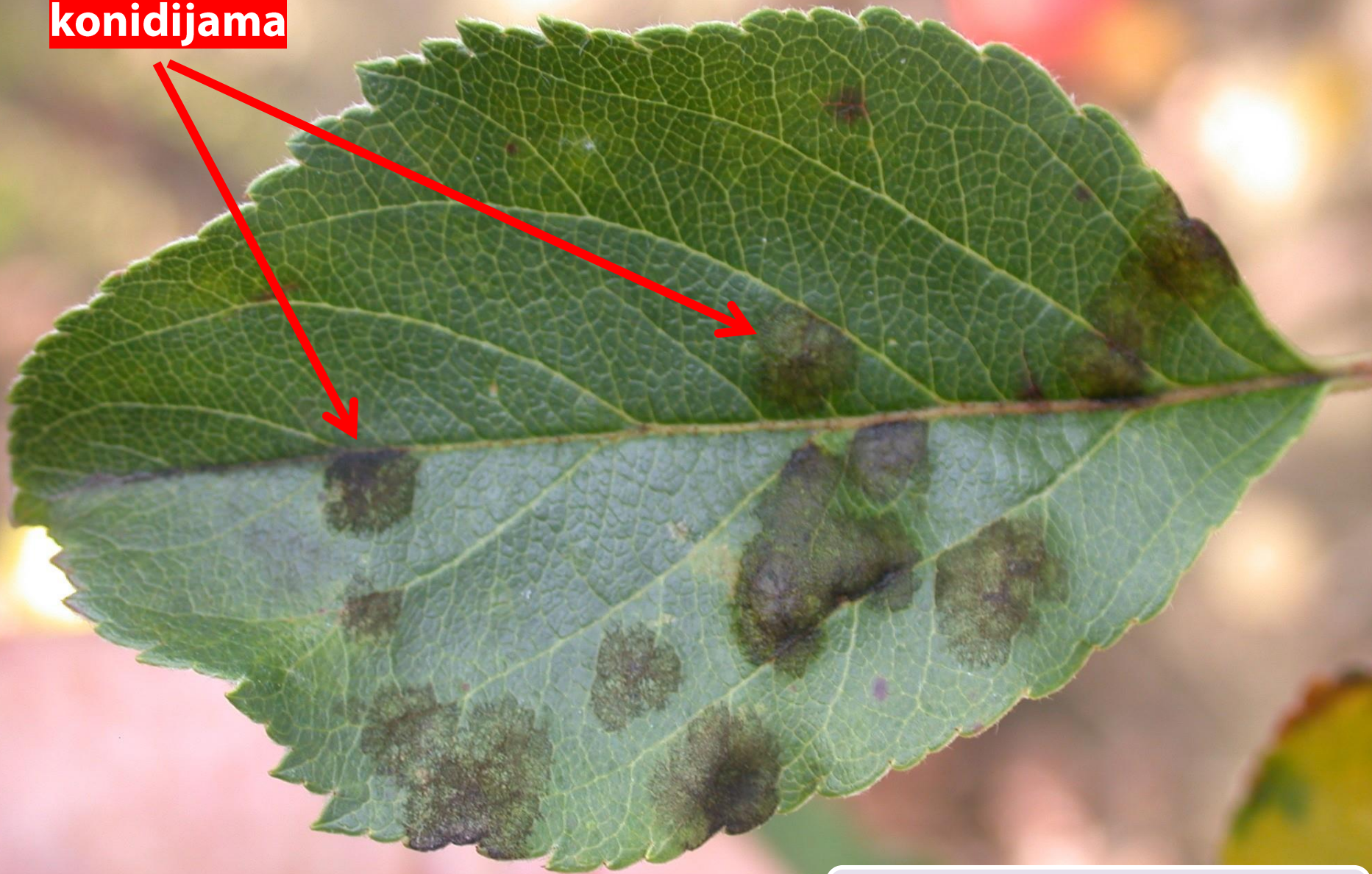
Ophiobolus graminis

Ophiobolus graminis

pepeljasta prevlaka
na korijenu trave
koja predstavlja
pseudotecije

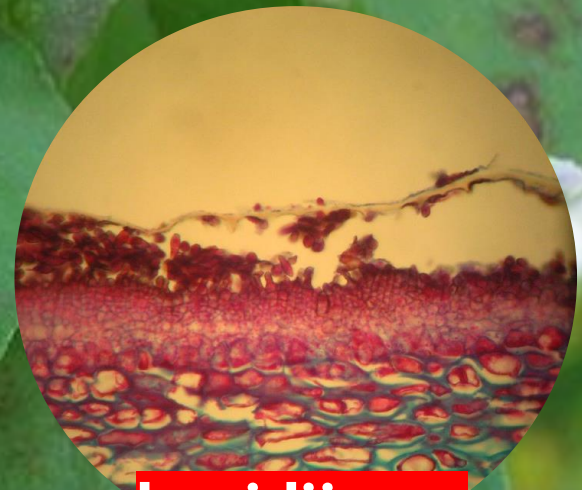


**konidiofori sa
konidijama**



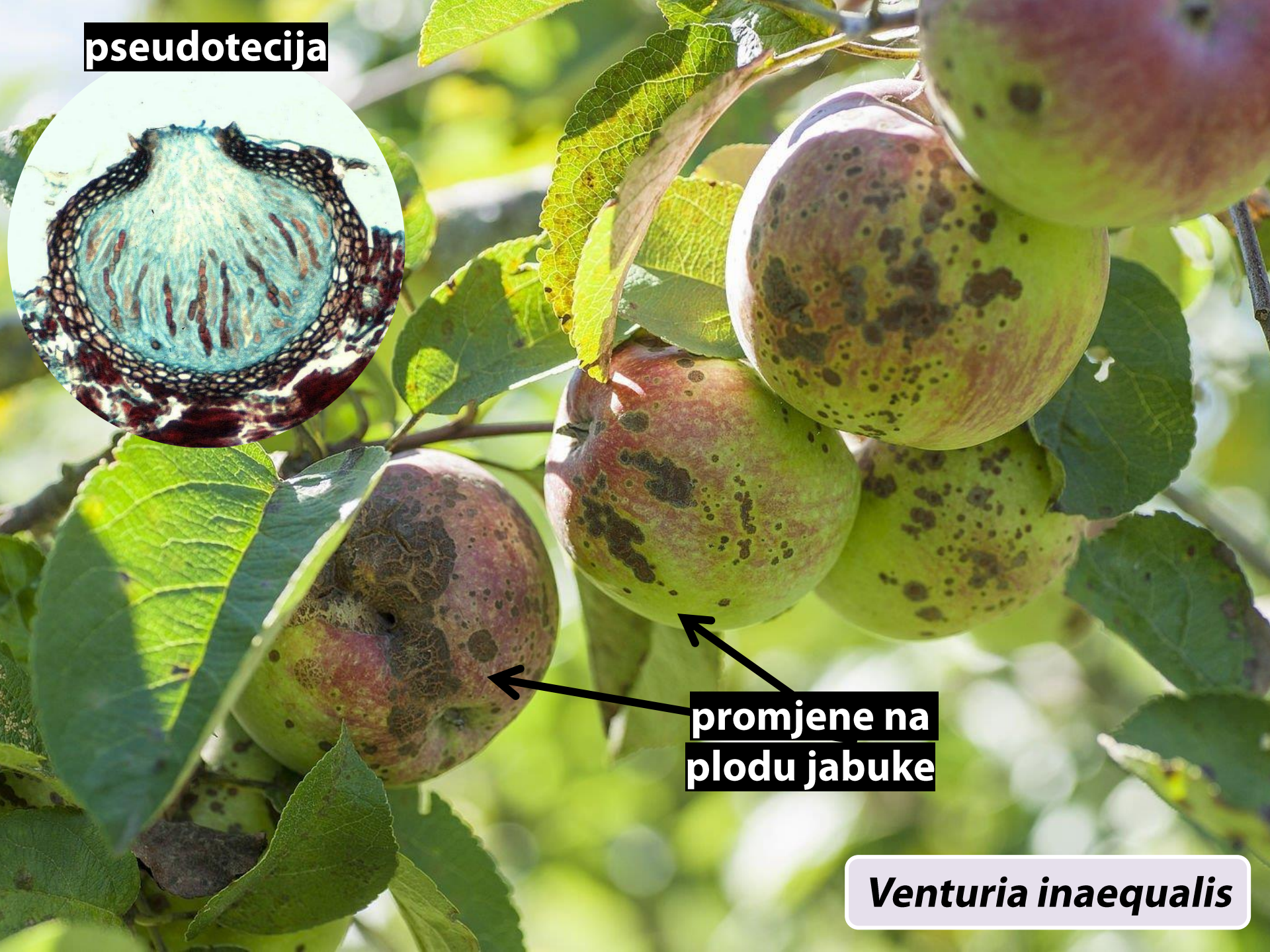
Venturia inaequalis

Venturia inaequalis



**konidije na
površini lista**

pseudotecija



**promjene na
plodu jabuke**

Venturia inaequalis