

IRTA^R

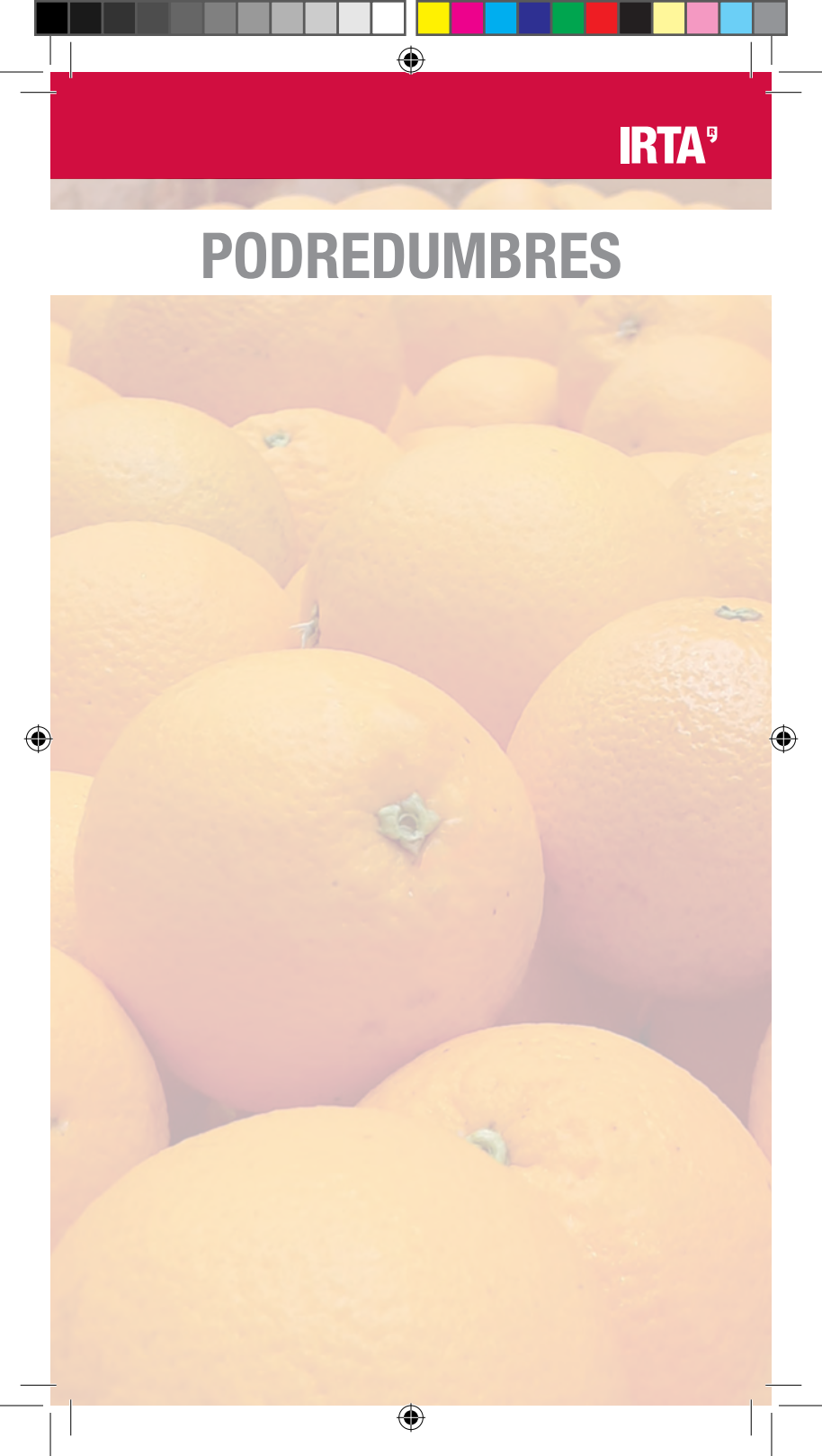
GUÍA DE PODREDUMBRES Y FISIOPATÍAS EN NARANJAS Y MANDARINAS



Generalitat
de Catalunya

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PODREDUMBRES



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- » *Penicillium digitatum*
- » *Penicillium italicum*
- » *Penicillium ulaiense*
- » *Phytophthora* spp.
- » *Geotrichum citri-aurantii*
- » *Rhizopus* spp.
- » *Botrytis cinerea*
- » *Alternaria alternata*



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Penicillium digitatum

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Podredumbre verde

NARANJAS



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Penicillium digitatum

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Podredumbre verde

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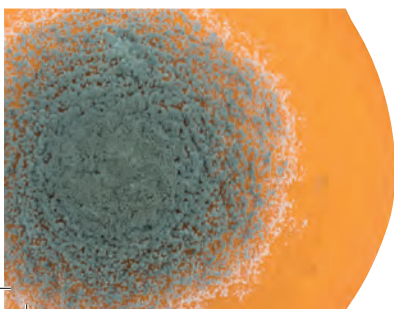
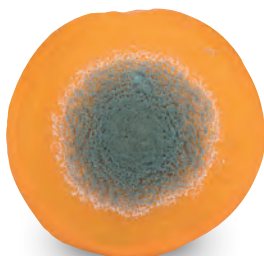


Penicillium italicum

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Podredumbre azul

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Penicillium italicum

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Podredumbre azul

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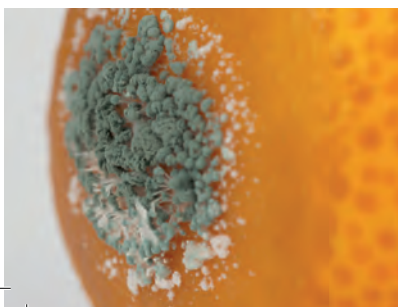


Penicillium ulaiense

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Podredumbre de los bigotes

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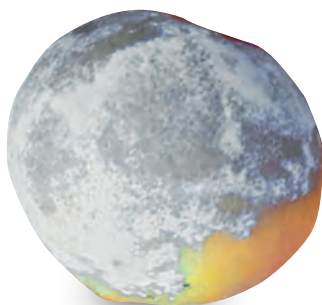


Phytophthora spp.

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Podredumbre marrón o aguado

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Geotrichum citri-aurantii

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Podredumbre ácida o amarga

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Geotrichum citri-aurantii

IRTA[®]

Podredumbre ácida o amarga

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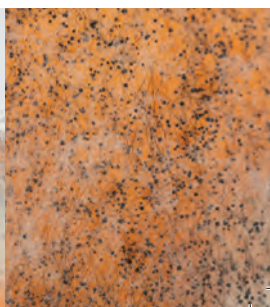


Rhizopus spp.

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Podredumbre blanda

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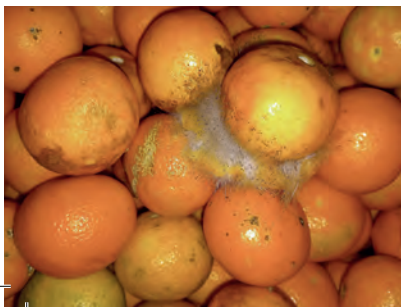


Rhizopus spp.

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Podredumbre blanda

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Botrytis cinerea

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Podredumbre gris

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Botrytis cinerea

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Podredumbre gris

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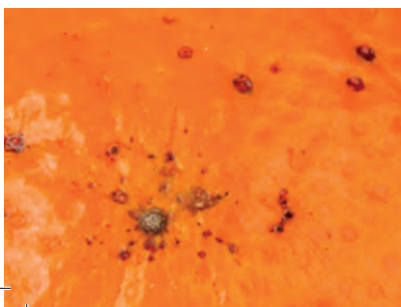


Alternaria alternata

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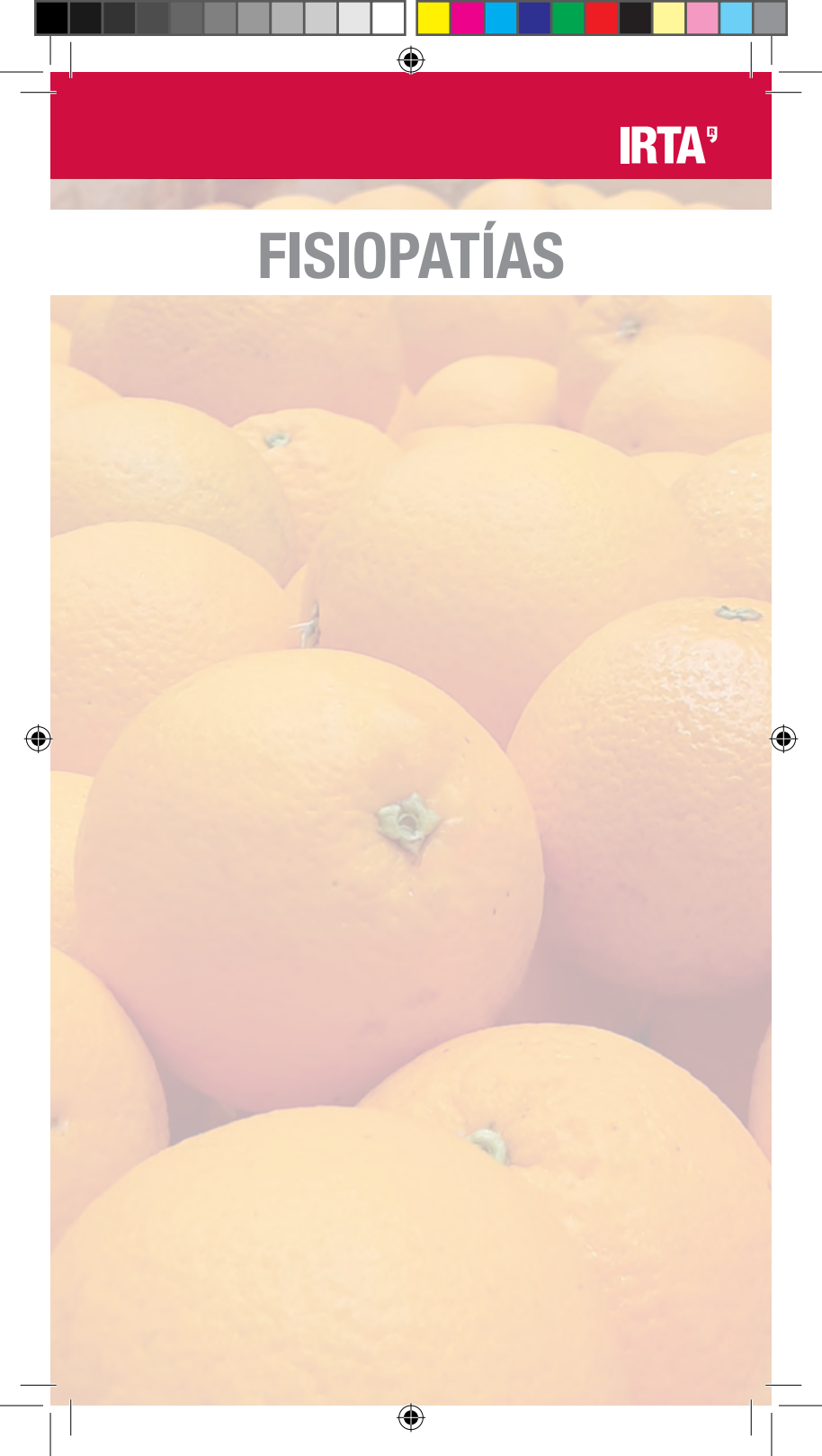
Mancha marrón

**NARANJAS
MANDARINAS**



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FISIOPATÍAS



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IRTA[®]

- » *Clareta*
- » *Mancha de agua*
- » *Oleocelosis*
- » *Bufado*
- » *Rajado*
- » *Problemas de la desverdización*
- » *Piel de cebra*
- » *Colapso de la corteza o “pateta de rata”*
- » *Picado*
- » *Escaldado*



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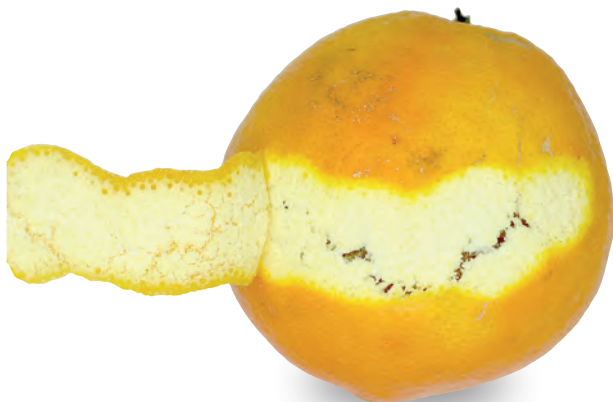


Clareta

Creasing

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Mancha de agua

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Water spot

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MANDARINAS**



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Oleocelosis

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Citrus oil spot

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MANDARINAS



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Bufado

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Puffing

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Rajado

Splitting

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MANDARINAS**



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Problemas de la desverdización

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MANDARINAS**



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Piel de cebra

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Zebra skin

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MANDARINAS**



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Colapso de la corteza o “pateta de rata” **IRTA[®]**

Rind breakdown

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Picado (Daño por frío)

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Pitting

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MANDARINAS**



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Escaldado (Daño por frío)

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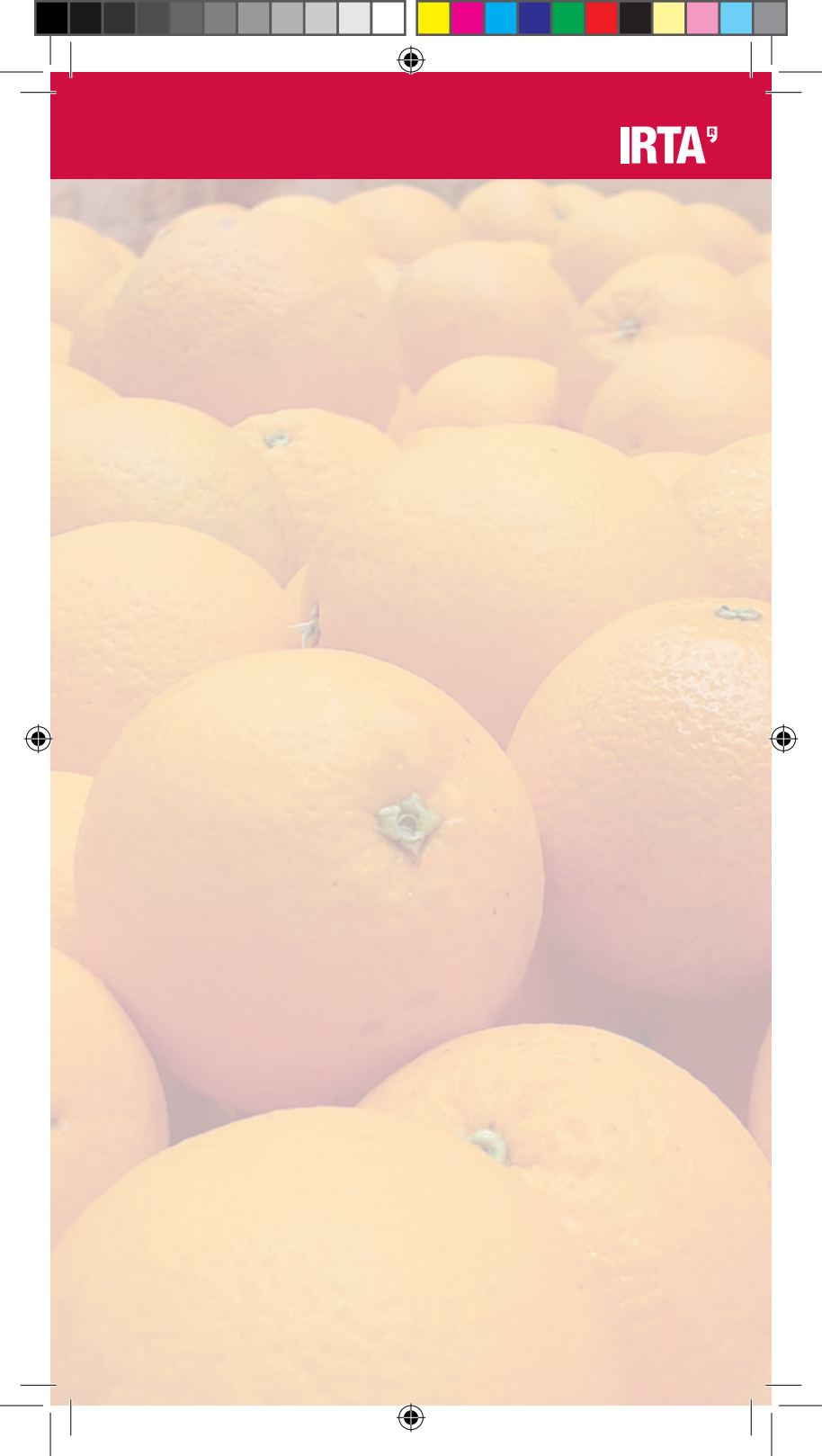
Scald

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MANDARINAS**



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Fons Europeu Agrícola
de Desenvolupament Rural:
Europa inverteix en les zones rurals



Generalitat de Catalunya
**Departament d'Acció Climàtica,
Alimentació i Agenda Rural**

Actividad financiada a través de la: “Operació
01.02.01 de Transferència Tecnològica del
Programa de desenvolupament rural de Catalunya
2014-2022 **“Eines per conèixer i identificar les
principals fisiopaties i podridures en postcollita
de cítrics. INFO-CIT”**