



PROTECT YOUR CROPS
WITH THE NATURAL
POWER OF LUPINE

CERTIS
BIORATIONALS

PROBLAD 

The novel, broad-spectrum Biorational fungicide



ORIGIN & COMPOSITION

PROBLAD® is a biological fungicide of natural origin

It is a sweet lupin concentrate plant extract manufactured by CEV, S.A. (Cantanhede, Portugal) from germinated seeds of *Lupinus albus* sweet varieties used as raw material

CERTIS
Growing Together

PROBLAD® 

CROPS & TARGETS

Broad-spectrum



Strawberry:

Powdery mildew and Grey mould



Tomato & aubergine:

Powdery mildew and Grey mould



Grapevine & table grape:

Powdery mildew and Grey mould



Rice: Rice blast



Stone fruits:

Brown rot



Several minor crops:

Powdery mildew and Grey mould

What is innovative about PROBLAD?

1. First plant protection product based on extract from sweet lupin seeds
2. Broad spectrum fungicide
3. Novel and unique multi-site mode of action





What are the scientific values/uniquenesses?

1. High and regular performances
2. Selective in all crops, no impact on transformation processes
3. Compatible with IPM programs and with a large majority of PPP

High & regular performances

Crop	Target	Assessment type	No. of trials	Mean % efficacy of PROBLAD®	Mean % efficacy of Chemical reference*
Grapevine	Grey mould	Bunches % severity	19	67.5	74.6
	Powdery mildew	Bunches % severity	16	68.9	63.1
		Leaves % severity	11	78.6	67.9
Stone fruit	Brown rot	Fruits Incidence after storage %	6	61.9	68.5
Tomato	Powdery mildew	Leaves % severity - indoor	8	71.9	73
		Leaves % severity - outdoor	12	87.2	89.2
Rice	Rice blast	Leaves % Severity	6	69.1	78.0
		Panicule % severity	14	63.2	77.9
Strawberry	Grey mould	Fruit incidence % - outdoor	14	58.2	65.9

What is the contribution to sustainable agriculture?

Resistance management

FRAC group BM 01
multi-site

Meet food chain requirements

No residues definition
No or short PHIs

Intended to be organic farming listed

Application to Annex II of
Regulation (EC) 889/2008
on going

Reduce the use of conventional products

Use intended in program as
any conventional fungicides

Provide solution for minor crops

Intended to be registered on
a wide range of minor crops
in all countries



How PROBLAD will assist on the uptake of the Biocontrol in the market?

1. All European growers will have access to PROBLAD® with a wide label for indoor and outdoor usage
2. Easy to handle, PROBLAD® can be stored and used as any other PPP
3. PROBLAD® can be easily integrated in a spray program, both in organic and conventional farming
4. Active research running to expand the label to other usages including arable crops

CERTIS
Growing Together

PROBLAD® 

PROBLAD[®]



PROTECT YOUR CROPS
WITH THE NATURAL
POWER OF LUPINE

- New natural origin fungicide with novel and unique multi-site MoA
- Highly effective and consistent control against many pathogens
- Selective in all crops and compatible with IPM programs
- No residues helping growers to meet increasing food chain requirements

CERTIS
Growing Together

PROBLAD[®] 