



# **Draft Assessment Report**

## **Evaluation of Active Substances**

Plant Protection Products

Prepared according to **assimilated Regulation No 1107/2009**  
as it applies in Great Britain

**Aqueous extract from the germinated seeds  
of sweet *Lupinus albus***

**Volume 3 – B.3 (AS)**

**Data on Application**

Great Britain

February 2025

## Version History

<b>When</b>	<b>What</b>
<b>June 2024</b>	Initial DAR
<b>February 2025</b>	Updates made after ECP
<b>February 2025</b>	Updates made after additional information submitted post ECP
	Updates made after public consultation
	Updates made after additional information submitted post public consultation
	[Updates made after any additional steps not covered by the above]

# Contents

<b>B.3. DATA ON APPLICATION .....</b>	<b>4</b>
<b>B.3.1. FUNCTION AND ENVISAGED USE OF THE ACTIVE SUBSTANCE .....</b>	<b>4</b>
<b>B.3.2. MODE OF ACTION AND EFFECTS ON HARMFUL ORGANISMS .....</b>	<b>7</b>
<b>B.3.3. HARMFUL ORGANISMS CONTROLLED AND CROPS OR PRODUCTS PROTECTED OR TREATED .....</b>	<b>7</b>
<b>B.3.4. INFORMATION ON THE OCCURRENCE OR POSSIBLE OF THE DEVELOPMENT OF RESISTANCE AND APPROPRIATE MANAGEMENT STRATEGIES .....</b>	<b>7</b>
<b>B.3.5. ISOMERS .....</b>	<b>7</b>
<b>B.3.6. REFERENCES RELIED ON .....</b>	<b>8</b>

## **B.3. Data on application**

### **B.3.1. Function and envisaged use of the active substance**

Aqueous extract from the germinated seeds of sweet *Lupinus albus* (PROBLAD PLUS) contains a new active substance for agricultural/horticultural use as a foliar fungicide spray.

There may be references to PROBLAD PLUS within the DAR, however the applicant has confirmed that the tradename for the product will be PROBLAD in GB.

The applicant proposed uses are as follows:

**Aqueous extract from the germinated seeds of sweet Lupinus albus**

**Volume 3 – B.3 (AS)**

Use- No. (e)	Me mb er sta te(s)	Crop and/ or situation (crop destina tion / purpos e of crop)	F, Fn, Fp n G, Gn, Gp n or I	Pests or Group of pests controlled (additional y: developmen tal stages of the pest or pest group)	Application				Application rate			PHI (da ys)	Remarks: e.g. g safener/synerg ist per ha (f)
					Method / Kind	Timing / Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between n applica tions (days)	L product/ ha (kg product/ ha) a) max. rate per appl. b) max. total rate per crop/sea son	L as/ha (kg as/ha) a) max. rate per appl. b) max. total rate per crop/sea son	Wate r L/ha min / max		
1	SE U / CE U	Straw erry	F	Foliar fungi BOTRCI SPHRMA	Foliar overall	BBCH 61- 89 Spring to Summer	a) 1 b) 6	8	a) 3.2 (4.016)† b) 19.2 (24.096)†	a) 3.2 (4.016) † b) 19.2 (24.096)†	450- 1000	0	Equivalent to maximum 800 g/ha lead component (BLAD)
2	EU	Straw erry	G	Foliar fungi BOTRCI SPHRMA	Foliar overall	BBCH 61- 89 All seasons	a) 1 b) 6	8	a) 3.2 (4.016)† b) 19.2 (24.096)†	a) 3.2 (4.016) † b) 19.2 (24.096)†	450- 1000	0	Equivalent to maximum 800 g/ha lead component (BLAD)
3	SE U / CE U	Tomato es	F	Foliar fungi BOTRCI OIDINL	Foliar overall	BBCH 61- 89 Spring to Summer	a) 1 b) 6	8	a) 3.2 (4.016)† b) 19.2 (24.096)†	a) 3.2 (4.016) † b) 19.2 (24.096)†	200- 1000	0	Equivalent to maximum 800 g/ha lead component (BLAD)
4	EU	Tomato es	G	Foliar fungi BOTRCI OIDINL	Foliar overall	BBCH 61- 89 All seasons	a) 1 b) 6	8	a) 3.2 (4.016)† b) 19.2 (24.096)†	a) 3.2 (4.016) † b) 19.2 (24.096)†	200- 1000	0	Equivalent to maximum 800 g/ha lead component (BLAD)

\*PROBLAD PLUS is a UVCB substance and is considered to be 100% pure with the lead component BLAD at 250 g/L

† based on a density of 1.255 g/mL

**Remarks  
table heading:**

(a) e.g. wettable powder (WP), emulsifiable concentrate (EC), granule (GR)  
(b) Catalogue of pesticide formulation types and international coding system CropLife International Technical Monograph n°2, 6th Edition Revised May 2008  
(c) g/kg or g/l

(d) Select relevant  
(e) Use number(s) in accordance with the list of all intended GAPs in Part B, Section 0 should be given in column 1  
(f) No authorization possible for uses where the line is highlighted in grey, Use should be crossed out when the notifier no longer supports this use.

**Remarks  
columns:**

1 Numeration necessary to allow references  
2 Use official codes/nomenclatures of EU Member States  
3 For crops, the EU and Codex classifications (both) should be used; when relevant, the use situation should be described (e.g. fumigation of a structure)  
4 F: professional field use, Fn: non-professional field use, Fpn: professional and non-professional field use, G: professional greenhouse use, Gn: non-professional greenhouse use, Gpn: professional and non-professional greenhouse use, I: indoor application  
5 Scientific names and EPPO-Codes of target pests/diseases/ weeds or, when relevant, the common names of the pest groups (e.g. biting and sucking insects, soil born insects, foliar fungi, weeds) and the developmental stages of the pests and pest groups at the moment of application must be named.  
6 Method, e.g. high volume spraying, low volume spraying, spreading, dusting, drench Kind, e.g. overall, broadcast, aerial spraying, row, individual plant, between the plants - type of equipment used must be indicated.

7 Growth stage at first and last treatment (BBCH Monograph, Growth Stages of Plants, 1997, Blackwell, ISBN 3-8263-3152-4), including where relevant, information on season at time of application  
8 The maximum number of application possible under practical conditions of use must be provided.  
9 Minimum interval (in days) between applications of the same product  
10 For specific uses other specifications might be possible, e.g.: g/m<sup>3</sup> in case of fumigation of empty rooms. See also EPPO-Guideline PP 1/239 Dose expression for plant protection products.  
11 The dimension (g, kg) must be clearly specified. (Maximum) dose of a.s. per treatment (usually g, kg or L product / ha).  
12 If water volume range depends on application equipments (e.g. ULVA or LVA) it should be mentioned under "application: method/kind".  
13 PHI - minimum pre-harvest interval  
14 Remarks may include: Extent of use/economic importance/restrictions

### **B.3.2. Mode of action and effects on harmful organisms**

The active substance (aqueous extract from the germinated seeds of sweet *Lupinus albus*) works via contact action.

BLAD is the lead component of the active substance. It is a naturally-occurring, “toxicologically innocuous” polypeptide, present in *Lupinus albus* seedlings. BLAD binds in a very strong manner to chitin, a major component of the fungal cell wall, inhibiting any fungal growth. In addition, BLAD degrades chitin by catalysing the successive removal of the *N*-acetyl-D-glucosamine terminal chitin monomers, and destroying the fungal cells. BLAD is classified by FRAC (Fungicide Resistance Action Committee) in Group BM01 (previously Group M12), having multi-site contact activity with multiple effects.

### **B.3.3. Harmful organisms controlled and crops or products protected or treated**

A list of harmful organisms controlled and crops protected is presented above (section B.3.1) in the applicant’s table of proposed uses (GAP).

### **B.3.4. Information on the occurrence or possible of the development of resistance and appropriate management strategies**

The applicant has provided the following case for resistance:

Resistance is thought unlikely to occur due to the mode of action. BLAD is classified by FRAC (Fungicide Resistance Action Committee) in Group BM01 (previously Group M12), having multi-site contact activity with multiple effects and is thus considered low risk. It is intended that no more than 2 sequential applications occur before alternating to a labelled fungicide with a different mode of action.

Baseline sensitivity data for a range of pests will be examined at the product authorisation stage.

The risk of resistance will require further consideration by the applicant during the product evaluation process

### **B.3.5. Isomers**

Not relevant.

### **B.3.6. References relied on**

None.