

Aluminium silicate (Kaolin)

SURROUND® WP CROP PROTECTANT

Document D-2

List of currently authorised uses and extent of use

Registration Dossier according to Regulation 1107/2009
EU Format

Version history

Date	Data points containing amendments or additions and brief description	Document identifier and version number
February 2018	-	Document D-2. Initial version.

Statement

SURROUND WP CROP PROTECTANT is currently registered in five EU countries (BE, FR, EL, ES, HU). All registrations were obtained following listing of Aluminium silicate (kaolin) on the approved substances list and comply with Uniform Principles as well as national regulations.

1- Introduction

This document summarises the information on currently authorised uses across the EU.

2- Function

Insect repellent.

3- Field of use

Aluminium silicate (kaolin) is currently used on a variety of top fruits and vine against insect pests. The representative use supported in this application is on vines against *Frankliniella occidentalis*.

4- Supported uses

The critical GAP identifies representative uses which have been selected to support renewing of the approval of aluminium silicate (kaolin). Please refer to document D-1.

5- Overview of current registrations

Aluminium silicate is effective against a range of insect pests affecting top fruits and vine. Please refer to Table 1 for details of current registered uses.

6- Harmful organisms controlled and crops treated

Supported use: vines / *Frankliniella occidentalis*.

Please refer to Table 1 for details of current registered uses.

7- Method of application.

Aluminium silicate (kaolin) is applied via broadcast spraying of the entire tree or vine.

8- Mode of action – Effect on harmful organisms

SURROUND® WP CROP PROTECTANT greatly reduces insect damage to crops by creating a particle film that has repellent and irritant effects on pests. It is also thought to camouflage crops from migrating insects by changing the wave-length of light reflected by the crop surface. Kaolin also provides horticultural benefits for plants by allowing photosynthesis to occur while reflecting harmful IR and UV radiation. Studies have shown that kaolin-treated plants actually increase their rate of carbon fixation.

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Table 1: Currently registered uses of Aluminium silicate (kaolin)

Product	Crop	Country	CA concentration	Maximum number of applications x dose (kg CA / ha)
SURROUND WP CROP PROTECTANT	Pear	Belgium	950 g/kg	1 x 28.5 kg/ha + 1-4 x 19 kg/ha
	Apple (Pear)*	France		7 x 47.5 kg/ha
	Pear	Greece		4 x 47.5 kg/ha
	Pear	Spain		7 x 47.5 kg/ha
	Pear	Hungary		7 x 14.25 kg/ha
	Olive	France		4 x 28.5 kg/ha
	Olive	Greece		4 x 28.5 kg/ha
	Olive	Spain		4 x 47.5 kg/ha
	Apple	France		8 x 47.5 kg/ha
	Cherry	France		8 x 47.5 kg/ha
	Peach	France		8 x 47.5 kg/ha
	Plum	France		8 x 47.5 kg/ha
	Vine	Greece		4 x 28.5 kg/ha
	Orange	Spain		4 x 47.5 kg/ha
	Mandarin	Spain		4 x 47.5 kg/ha

*: In France, the use in pears is currently subordinate to a registration in apples.