

# **SURROUND® WP CROP PROTECTANT**

**DOCUMENT M-CP, Section 3**

**DATA ON APPLICATION**

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## Version history<sup>1</sup>

Date	Data points containing amendments or additions and brief description	Document identifier and version number
February 2018		MCP-S3

<sup>1</sup> It is suggested that applicants adopt a similar approach to showing revisions and version history as outlined in SANCO/10180/2013 Chapter 4 How to revise an Assessment Report

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## Table of Contents

<b>CP 3</b>	<b>DATA ON APPLICATION .....</b>	<b>4</b>
<b>CP 3.1</b>	<b>Field of Use Envisaged .....</b>	<b>4</b>
<b>CP 3.2</b>	<b>Effects on Harmful Organisms.....</b>	<b>4</b>
<b>CP 3.3</b>	<b>Details of Intended Use .....</b>	<b>5</b>
<b>CP 3.4</b>	<b>Application Rate and Concentration of Active Substance .....</b>	<b>6</b>
<b>CP 3.5</b>	<b>Method of Application .....</b>	<b>6</b>
<b>CP 3.6</b>	<b>Number and Timings of Applications and Duration of Protection.....</b>	<b>6</b>
<b>CP 3.7</b>	<b>Necessary Waiting Periods or Other Precautions to Avoid Phytotoxic Effects on Succeeding Crops .....</b>	<b>6</b>
<b>CP 3.8</b>	<b>Proposed Instructions for Use.....</b>	<b>7</b>

## **CP 3        DATA ON APPLICATION**

### **CP 3.1        Field of Use Envisaged**

Field use, such as agriculture, horticulture, forestry and viticulture.

### **CP 3.2        Effects 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 emitted from the crop surface.

Kaolin also provides horticultural benefits for plants by allowing photosynthesis to occur while reflecting harmful IR and UV radiations. Studies have shown that kaolin-treated trees actually increase their rate of carbon fixation.

### CP 3.3 Details of Intended Use

PPP (product name/code): SURROUND WP CROP PROTECTANT  
 Active substance 1: Aluminium silicate

Formulation type: EC  
 Conc. of as 1: 950 g/kg

Safener: None  
 Synergist: None  
 Applicant: Tessenderlo Group N.V.  
 Zone(s): EU  
 Verified by MS: y/n

Conc. of safener: None  
 Conc. of synergist: None  
 Professional use: ☒  
 Non professional use: ☐

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Use- No. (e)	Member state(s)	Crop and/ or situation  (crop destination / purpose of crop)	F, Fn, Fpn G, Gn, Gpn or I	Pests or Group of pests controlled  (additionally: developmental stages of the pest or pest group)	Application				Application rate			PHI (days)	Remarks:  e.g. g safener/synergist per ha (f)
					Method / Kind	Timing / Growth stage of crop & season	Max. number a) per use b) per crop/ season	Min. interval between applications (days)	kg or L product / ha a) max. rate per appl. b) max. total rate per crop/season	g or kg as/ha a) max. rate per appl. b) max. total rate per crop/season	Water L/ha a) max per use b) max per season		
Zonal uses (field or outdoor uses, certain types of protected crops)													
1	--	Grapevine	F	<i>Frankliniella occidentalis</i>	Broadcast spraying of entire plant	BBCH 51 - 65	a) 1-4 b) 1-4	7	a) 30 kg/ha b) 120 kg/ha	a) 28.5 kg/ha b) 114 kg/ha	a) 500 – 1000 L/ha b) 2000 – 4000 L/ha	N/A	Apply from BBCH 51 at the beginning of the presence of <i>F. occidentalis</i> . Re- apply each 7-14 days depending on rainfall and crop development.
Interzonal uses (use as seed treatment, in greenhouses (or other closed places of plant production), as post-harvest treatment or for treatment of empty storage rooms)													
3		None											
Minor uses according to Article 51 (zonal uses)													
4		None											
Minor uses according to Article 51 (interzonal uses)													
5		None											

### CP 3.4 Application Rate and Concentration of Active Substance

Crop	Concentration (fp, kg/hL)	Concentration (ai, kg/hL)
Grapevine	2.0 - 3.0	1.90 – 2.85

### CP 3.5 Method of Application

Air-blast assisted mist-blower generating fine spray droplets.

Spray volume should be adjusted to suit crop size. Complete coverage up to near drip is recommended but avoid spraying to run-off.

Type of diluent: Water

Volume of diluent in pear trees: 500 to 1000 L/ha

For full details of all uses please refer to Point CP 3.3.

### CP 3.6 Number and Timings of Applications and Duration of Protection

**Maximum number of applications and their timings:** Maximum four applications

**Growth stages of crops or plants to be protected:** Up to BBCH 65.

**Development stages of the harmful organism concerned:** At the beginning of *F. occidentalis* presence.

**Duration of protection afforded by each application:** Variable. The effect of SURROUND® WP CROP PROTECTANT is that of a barrier film. Protection will last until the integrity of the particle film is compromised, either by wind erosion, rainfall or new plant growth.

**Duration of protection afforded by the maximum number of applications:** Please see Point above. SURROUND® WP CROP PROTECTANT has no systemic action. Protection will last until the particle film's integrity is compromised, irrespective of the number of applications.

### CP 3.7 Necessary Waiting Periods or Other Precautions to Avoid Phytotoxic Effects on Succeeding Crops

**Minimum waiting periods or other precautions between last application and sowing or planting succeeding crops:**

No waiting period required between last application and sowing or succeeding plantings. Kaolin is an inert, non-toxic, naturally occurring product normally found in soil as clay. There are no known phytotoxic effects.

**Limitations on choice of succeeding crops:** None. Kaolin is an inert, non-toxic, naturally occurring product normally found in soil as clay. There are no known phytotoxic effects

### **CP 3.8      Proposed Instructions for Use**

Apply using a conventional sprayer with continuous agitation. Spray volume should be adjusted to suit crop size. Complete coverage up to near drip is recommended but avoid spraying to run-off. Ensure the crop is covered by a white film. Reapply at 7-14 day interval or if protective cover is eroded, washed off or new shoots appear.