CP 205 AHDB Horticulture Efficacy Trials 2022
Final Trial Report

Work package:	WP 12
Title:	Glasshouse screening of biological fungicides in isolation as part of an IPM programme in high wire cucumber infected with Pythium aphanidermatum.
Crop	Cucumber
Target	*Pythium aphanidermatum*
Lead researcher:	Erik Peters
Organisation:	Botany Group
Period:	September - October 2022
Report date:	28-11-2022
Report authors:	Erik Peters
ORETO Number: (certificate should be attached)	BOTANY Group; NL_GEP_10221028

I declare that the work described in this report was undertaken by Botany Group BV under my supervision, according to the procedures described herein, and that this report represents a true and accurate record of the results obtained. The work was done at an officially recognized efficacy testing facility and in accordance with the requirements set out by the Netherlands Food and Consumer Product Safety Authority.

22-11-2022

Peter Korsten
CEO Botany Group

Trial Summary

Introduction

Late summer crops of high-wire cucumbers can be badly affected by infection with root rot (*Pythium aphanidermatum*) because of the higher temperatures during the early establishment phase post-planting. These infections can lead to significant crop losses, weakening and even killing young plants when transplanted onto previously infected, rockwool slabs. However, when temperatures are lower, infections can often go undetected for a long time because the subjects appear symptomless.
With conventional (chemical) crop protection products being removed from the market more and more, the need for green (biological) fungicides grows.

In this trial, several biological fungicides were tested in comparison with an untread control and an inoculated control for efficacy against *Pythium aphanidermatum* in the youngplant stage of cucumber (variety Proloog).

Methods

Different products were applied at different applications times, which included both preventive and curative applications. The trial was artificially infested with *P. aphanidermatum.*

Results

The first symptoms of *P. aphanidermatum* were observed on September 19th 2022, 10 days after the plants were transplanted onto the infected rockwool blocks. Overall infestation level was low to moderate, with 10.0% disease severity in the inoculated check. No disease symptoms occurred in the non-inoculated check. The relative slow disease development and relatively low overall infestation levels are most like due to the weather conditions at the start of the trial, which was unusually cold and with low light intensity for the time of the year. Besides this, the aim of the infestation level was moderate, which would give the biological fungicides a slightly better chance than with high infestation levels of *P. aphanidermatum*. This all lead to relatively small differences between treatments and no significant differences

Products AHDB 9958, Serenade and Lalstop K61 showed no disease symptoms and were the most effective against *Pythium aphanidermatum* in this trial.
Products Previcur Energy, AHDB 9957, AHDB 9815 and AHDB 9808 showed lower disease severity than the inoculated control and were partially effective against *Pythium aphanidermatum* in this trial.
Products AHDB 9726, Amylo-X, Ridomil gold and AHDB 9882 showed disease severity comparable to or higher than the inoculated control and thus were not effective against *Pythium aphanidermatum* in this trial, under these conditions.
All applied products were safe to the cucumber youngplants, variety Proloog.

Take home message:

Several of the applied biological fungicides were effective against *Pythium aphanidermatum* in this trial, sometimes even more effective than chemical fungicides.

SCIENCE SECTION

Objectives

- Evaluation of efficacy of different products against *P. aphanidermatum* in cucumber youngplants
- Evaluation of crop safety of different products in cucumber youngplants

Methods

The trial was carried out at the site of research company Botany BV, Dr. Droesenweg 7, 5964 NC, Horst-Meterik. The exact trial location was N: 51°45'94 latitude and E: 06°01'58 longitude.

Sowing date: September 1st 2022
Planting date: September 9th 2022
Artificial infestation date: September 9th 2022
Trial period: September 5th - October 7th 2022

Trial conduct

[*UK regulatory guidelines were followed, but EPPO guidelines took precedence. The following EPPO guidelines were followed:]*

Relevant EPPO guideline(s)		**Variation from EPPO**
PP 1/148(2)	Soil treatments against Pythium spp.	-
PP 1/152(4)	Design and analysis of efficacy evaluation trials	-
PP 1/181(4)	Conduct and reporting of efficacy evaluation trials	-
PP 1/135(4)	Phytotoxicity assessment	-

Test site

Item	**Details**
Location address	Dr Droesenweg 5, 5964NC, Horst-Meterik, the Netherlands
Crop	Cucumber
Cultivar	Proloog
Soil or substrate type	Rockwool
Agronomic practice	Greenhouse
Prior history of site	**N/A**

Trial design

Item	**Details**
Trial design:	Completely randomized block design
Number of replicates:	4
Row spacing:	0.1m
Plot size: (w x l)	0.5 x 1.0m
Plot size: (m^2)	0.5 m2
Number of plants per plot:	10
Leaf Wall Area calculations	-

*

Treatment details

AHDB Code	Active substance	Product name/ manufacturer code	Formulation batch number	Content of active substance in product	Formulation type	Adjuvant
AHDB 9882	Confidential					No
AHDB 9958	Confidential					No
AHDB 9808	Confidential					No
AHDB 9792	Confidential					No
AHDB 9957	Confidential					No
AHDB 9815	Confidential					No
AHDB 9726	Confidential					No
	Bacillus amyloliquefaciens	Serenade	N/A	1x10^9 CFU/g	SC	No
	Streptomyces K61	Lalstop K61	SAL256428	5x10^8 CFU/g		No
	Metalaxyl-M	Ridomil Gold*	N/A	465.2 g/L	SL	No
	Fosetyl Propamocarb	Previcur Energy	EM4L034905	310 g/L 530 g/L	SL	No
	Trichoderma harzianum T-22	Trianum-P	22TP04	1x10^9 CFU/g	WG	No
	Bacillus amyloliquefaciens D747	Amylo-X	PE-89731893500	5x10^13 CFU/KG	WG	No

*Ridomil Gold not available in UK, the active substance metalaxyl-M is available to UK protected cucumber growers

Application schedule

Treatment number	Treatment: product name or AHDB code	Rate of active substance (ml or g a.s./ha)	Rate of product (l or kg/ha)	Application code
1	UTC non-inoculated			
2	UTC inoculated			
3	Ridomil Gold		1 L/ha	B
4	Previcur Energy		3 L/ha	AB
5	AHDB 9882		1.6 L/ha	B
6	AHDB 9958		3.2 L/ha	AC
7	AHDB 9957 (drench) AHDB 9957 (spray)		1 L/ha 1 L/ha	AB DEF
8	AHDB 9815 (drench) AHDB 9815 (spray)		0.3 kg/ha 0.3 kg/ha	AB DEF
9	Serenade		5 L/ha	ABDEF
10	Lalstop K61 (drench) Lalstop K61 (spray)		10 g/1000 pl 1 kg/ha	A B
11	Trianum-P		30 g/1000pl	AB
12	AHDB 9792		40 ml/100L	C
13	AHDB 9726		5 kg/ha	AB
14	Amylo-X		2.5 kg/ha	ADF
15	AHDB 9808		4 L/ha	ADF

Application details

	Application A	Application B	Application C
Application date	5-9-2022	8-9-2022	9-9-2022
Time of day	13:00 - 14:00	9:00 - 10:00	9:00 - 10:00
Crop growth stage (Max, min average BBCH)	9	9	9
Crop height (cm)	0	0	1
Crop coverage (%)	0	0	3
Application Method	Drench/Drip	Drench/Drip/Spray	Drench/Drip
Application Placement	Seed	Seed/Root/Foliar	Directly on fungus
Application equipment	Drenchcan	Drenchcan / Backpack sprayer	Drenchcan
Nozzle pressure	-	3 bar	-
Nozzle type	-	Hollow cone	-
Nozzle size	-	1.3 mm	-
Application water volume/ha	20000 L/ha (drip)	20000 L/ ha (drip)	20000 L/ ha (drip)
Temperature of air - shade (°C)			
Relative humidity (%)			
Wind speed range (m/s)	0	0	0
Dew presence (Y/N)	N	N	N
Temperature of soil - 2-5 cm (°C)			
Wetness of soil - 2-5 cm	Slightly wet	Slightly wet	Slightly wet
Cloud cover (%)	5	90	90
	Application D	**Application E**	**Application F**
Application date	12-9-2022	16-9-2022	23-9-2022
Time of day	10:00 - 11:00	9:00 - 10:30	10:00 - 11:00
Crop growth stage (Max, min average BBCH)	10	10	10
Crop height (cm)	1	1	1
Crop coverage (%)	5	10	15
Application Method	Drench/Drip/Spray	Drench/Drip/Spray	Drench/Drip/Spray
Application Placement	Root/Foliar	Root/Foliar	Root/Foliar
Application equipment	Drenchcan / Backpack sprayer	Drenchcan / Backpack sprayer	Drenchcan / Backpack sprayer
Nozzle pressure	3 bar	3 bar	3 bar
Nozzle type	Hollow cone	Hollow cone	Hollow cone
Nozzle size	1.3 mm	1.3 mm	1.3 mm
Application water volume/ha	20000 L/ ha (drip)	20000 L/ ha (drip)	20000 L/ ha (drip)
Temperature of air - shade (°C)			
Relative humidity (%)			
Wind speed range (m/s)	0	0	0
Dew presence (Y/N)	N	N	N
Temperature of soil - 2-5 cm (°C)			
Wetness of soil - 2-5 cm	Slightly wet	Slightly wet	Slightly wet
Cloud cover (%)	30	50	100

Due to computer malfunctioning no climate data of application timings is available for Temperature and Humidity

Applications consisted of drench application at the start of the trial, followed by either more drench applications or spray applications. Different products were tested in comparison with an inoculated control and a non-inoculated control.

The drench and spray applications were carried out by Botany BV, under their GEP/TNG-certification (Appendix D), using a drench can or a compressed-air backpack sprayer with spray stick carrying one hollow cone Birchmeier nozzles size 1.3 mm. Spray applications were carried out according at a spray pressure of 3.0 bar.

The trial was artificially infested on September 7th 2022 with *Pythium aphanidermatum* by placing pieces of agar with mycelium (2 pieces of 0.3x0.3cm) in the planting hole of a rockwool block (10x10cm). On September 9th 2022, the plants were transplanted into the rockwool blocks, which were infested with *Pythium aphanidermatum* (Except for the non-inoculate UTC). During the trial, climate conditions in the greenhouse were favorable for the development of pythium.

Untreated levels of pests/pathogens at application and through the assessment period

Common name	Scientific Name	EPPO Code	Infestation level pre-application	Infestation level at start of assessment period	Infestation level at end of assessment period
Pythium	*Pythium aphanidermtum*	PYTHAP	Pre-infection	Low	Low

Assessment details

Assessments were carried out according to EPPO-guidelines ‘‘Soil treatments against Pythium spp. (PP 1/148(2)); ‘Design and analysis of efficacy evaluation trials’ (PP 1/152(4)); ‘Conduct and reporting of efficacy evaluation trials’ (PP 1/181(4)); ‘Phytotoxicity assessment’ (PP 1/135(4));

	Evaluation Timing (DA)*			
Evaluation date	**After first conventional insecticides**	**After first bio-pesticides**	**Crop Growth Stage (BBCH)**	**Evaluation type (efficacy, phytotoxicity)**
5-9-2022	0DAA	0DAA	1	Cropstand, Phytotoxicity, Residue & Efficacy
8-9-2022	3DAA	3DAA	3	Cropstand, Phytotoxicity, Residue & Efficacy
9-9-2022	1DAB	1DAB	9	Cropstand, Phytotoxicity, Residue & Efficacy
12-9-2022	3DAC	3DAC	10	Cropstand, Phytotoxicity, Residue & Efficacy
16-9-2022	4DAD	4DAD	10	Cropstand, Phytotoxicity, Residue & Efficacy
19-9-2022	3DAE	3DAE	10	Cropstand, Phytotoxicity, Residue & Efficacy
21-9-2022	5DAE	5DAE	10	Cropstand, Phytotoxicity, Residue & Efficacy
23-9-2022	7DAE	7DAE	11	Cropstand, Phytotoxicity, Residue & Efficacy
28-9-2022	5DAF	5DAF	11	Cropstand, Phytotoxicity, Residue & Efficacy
4-10-2022	11DAF	11DAF	11	Cropstand, Phytotoxicity, Residue & Efficacy
7-10-2022	14DAF	14DAF	11	Cropstand, Phytotoxicity, Residue & Efficacy

* DA – days after application

Efficacy assessments

Assessments on disease severity were performed at the start of the trial, just before each application and on 7 and 14 days after the last application. Assessments on disease severity consisted of scoring the percentage disease symptoms per plant. From the disease severity, disease incidence was calculated in ARM (Agricultural Research Manager).

Towards the end of the trial, as differences between plant height started to occur, assessments on individual plant length of 1 replicate were performed. At the end of the trial, the fresh weight per plot was assessed.

Crop safety assessments

Assessments on crop safety were performed just before each application and on 7 and 14 days after the last application. The assessments on crop development, phytotoxicity and visible spray residue were assessed in every plot according to the following scales:

- Crop development (scale 1-10)
  5 = crop development of the untreated check
  1,2,3 and 4 = crop development worse compared to UTC with 1 = crop dead
  6, 7, 8 and 9 = crop development better compared to UTC
- Phytotoxicity (%-scale)
  0% = No phytotoxicity symptoms
  100% = 100% of leaf area with phytotoxicity symptoms (crop dead)
- Visible spray residue on leaves (%-scale)
  0% = No residue
  100% = complete leaf area covered with visible spray residue

Statistical analysis

All data were statistically analyzed with ARM (Agricultural Research Manager) version 2022. The data were analyzed with the ANOVA-test followed by the Student-Newman-Keuls at a 95% confidence level. Figures in single columns followed by the same letters do not differ significantly.

Results

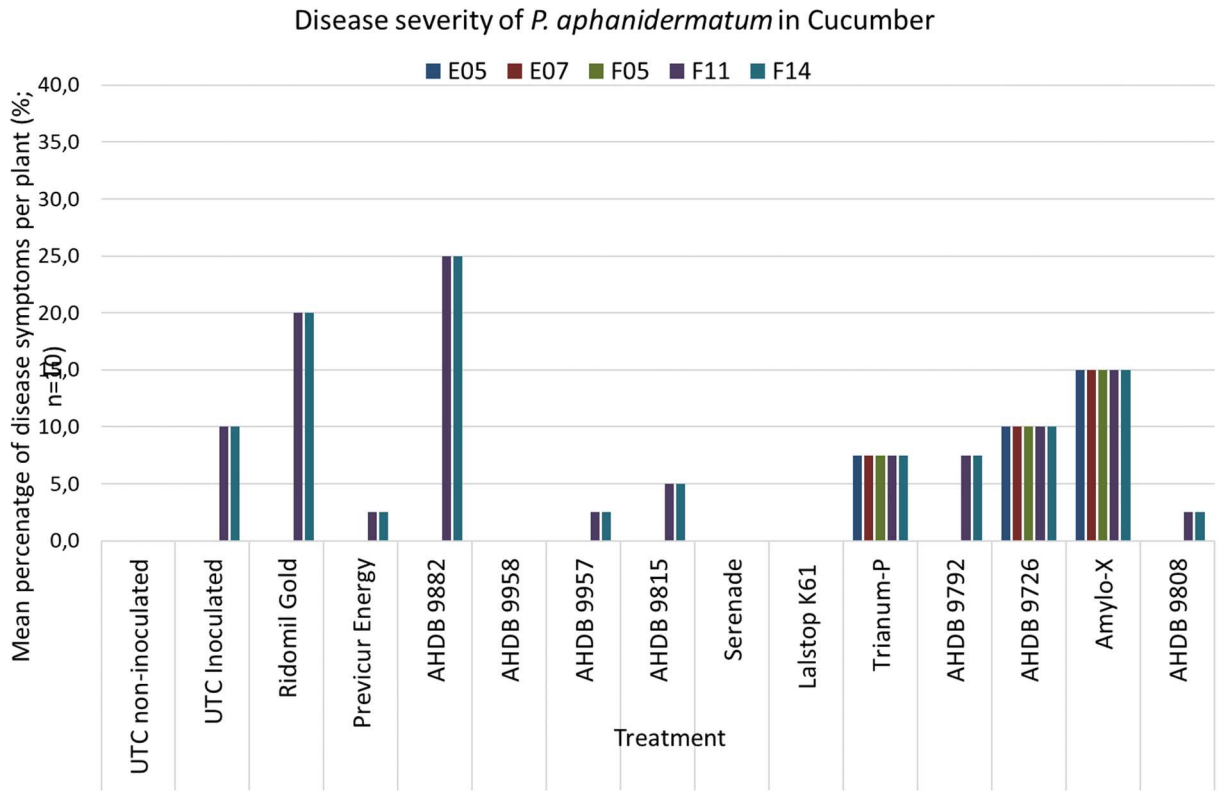
Disease development

Disease symptoms started to appear for the first time on September 19th, 3 days after application E was performed. Disease progress was slow until September 28th, 5 days after application F was performed. After September 28th 2022, disease developed to 10% in the inoculated control. No symptoms were observed in the non-inoculated control.
Each plant that was scored as diseased, was 100% infected, which caused the disease incidence and disease severity to have the same values. Therefore, only the disease severity data is presented in this report.

Observed mean disease severity of *P. aphanidermatum* per plot in cucumber youngplants, (%; n=10)

Treatment				Assessment Date / Days Application-Assessment																
				5-09-22			8-09-22			9-09-22			12-09-22			16-09-22			19-09-22		
				A00			A03			B01			C03			D04			E03		
	Product	Dose	Unit	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD
1	UTC non-inoculated			0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	b	*0,0*
2	UTC Inoculated			0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	b	*0,0*
3	Ridomil Gold	1	l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	b	*0,0*
4	Previcur Energy	3	l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	b	*0,0*
5	AHDB 9882	1,6	l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	b	*0,0*
6	AHDB 9958	3,2	l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	b	*0,0*
7	AHDB 9957 (drip)	1	l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	b	*0,0*
7	AHDB 9957 (Spray)	1	l/ha																		
8	AHDB 9815 (Drip)	0,3	kg/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	b	*0,0*
8	AHDB 9815 (Spray)	0,3	kg/ha																		
9	Serenade	5	l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	b	*0,0*
10	Lalstop K61 (Drip)	10	g/1000pl	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	b	*0,0*
10	Lalstop K61 (Spray)	1	kg/ha																		
11	Trianum-P	30	g/1000 pl	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	7,5	ab	*26,7*
12	AHDB 9792	40	ml/100L	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	b	*0,0*
13	AHDB 9726	5	kg/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	10,0	ab	*30,4*
14	Amylo-X	2,5	kg/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	15,0	a	*36,2*
15	AHDB 9808	4	l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	b	*0,0*
Treatment Prob(F) P=0.05				0,000			0,000			0,000			0,000			0,000			6,896*		

Treatment				Assessment Date / Days Application-Assessment													
				21-09-22			23-09-22			28-09-22			4-10-22			7-10-22		
				E05			E07			F05			F11			F14		
	Product	Dose	Unit	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD
1	UTC non-inoculated			0,0	b	*0,0*	0,0	b	*0,0*	0,0	b	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
2	UTC Inoculated			0,0	b	*0,0*	0,0	b	*0,0*	0,0	b	*0,0*	10,0	-	*30,4*	10,0	-	*30,4*
3	Ridomil Gold	1	l/ha	0,0	b	*0,0*	0,0	b	*0,0*	0,0	b	*0,0*	20,0	-	*40,5*	20,0	-	*40,5*
4	Previcur Energy	3	l/ha	0,0	b	*0,0*	0,0	b	*0,0*	0,0	b	*0,0*	2,5	-	*15,8*	2,5	-	*15,8*
5	AHDB 9882	1,6	l/ha	0,0	b	*0,0*	0,0	b	*0,0*	0,0	b	*0,0*	25,0	-	*43,9*	25,0	-	*43,9*
6	AHDB 9958	3,2	l/ha	0,0	b	*0,0*	0,0	b	*0,0*	0,0	b	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
7	AHDB 9957 (drip)	1	l/ha	0,0	b	*0,0*	0,0	b	*0,0*	0,0	b	*0,0*	2,5	-	*15,8*	2,5	-	*15,8*
7	AHDB 9957 (Spray)	1	l/ha															
8	AHDB 9815 (Drip)	0,3	kg/ha	0,0	b	*0,0*	0,0	b	*0,0*	0,0	b	*0,0*	5,0	-	*22,1*	5,0	-	*22,1*
8	AHDB 9815 (Spray)	0,3	kg/ha															
9	Serenade	5	l/ha	0,0	b	*0,0*	0,0	b	*0,0*	0,0	b	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
10	Lalstop K61 (Drip)	10	g/1000pl	0,0	b	*0,0*	0,0	b	*0,0*	0,0	b	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
10	Lalstop K61 (Spray)	1	kg/ha															
11	Trianum-P	30	g/1000 pl	7,5	ab	*26,7*	7,5	ab	*26,7*	7,5	ab	*26,7*	7,5	-	*26,7*	7,5	-	*26,7*
12	AHDB 9792	40	ml/100L	0,0	b	*0,0*	0,0	b	*0,0*	0,0	b	*0,0*	7,5	-	*26,7*	7,5	-	*26,7*
13	AHDB 9726	5	kg/ha	10,0	ab	*30,4*	10,0	ab	*30,4*	10,0	ab	*30,4*	10,0	-	*30,4*	10,0	-	*30,4*
14	Amylo-X	2,5	kg/ha	15,0	a	*36,2*	15,0	a	*36,2*	15,0	a	*36,2*	15,0	-	*36,2*	15,0	-	*36,2*
15	AHDB 9808	4	l/ha	0,0	b	*0,0*	0,0	b	*0,0*	0,0	b	*0,0*	2,5	-	*15,8*	2,5	-	*15,8*
Treatment Prob(F) P=0.05				6,896*			6,896*			6,896*			0,706			0,706		



Graphic presentation of the disease severity

First symptoms were observed on 3 days after application E. Disease severity developed to 10.0% in the inoculated check at the end of the trial. Higher disease severity was observed in plots treated with Ridomil gold (20.0%), AHDB 9882 (25.0%) and Amylo-x (15.0%). AHDB 9726 showed the same disease severity (10.0%) as the inoculated control. Lower levels of disease severity than the inoculated control were observed in plots treated with Previcur Energy (2.5%), AHDB 9957 (2.5%), AHDB 9815 (5.0%), Trianum-P (7.5%), AHDB 9792 (7.5%) and ADHB 9808 (2.5%).
In plots treated with AHDB 9958, Serenade and Lalstop K61, no symptoms of *P. aphanidermatum* were observed.

Plant height and fresh weight

Observed plant length (cm) and fresh weight per plot (g)

Treatment				Mean individueal plant length (cm)									Fresh Weight per plot (g)			
				21-09-22			23-09-22			28-09-22				7-10-22		
				E05			E07			F05				F14		
	Product	Dose	Unit	Avg	*	SD	Avg	*	SD	Avg	*	SD		Avg	*	SD
1	UTC non-inoculated			8,2		*0,9*	8,6		*0,7*	9,9		*1,3*		72,6	a	*45,6*
2	UTC Inoculated			6,8		*1,1*	6,9		*1,1*	8,2		*1,8*		52,3	abc	*33,6*
3	Ridomil Gold		1 l/ha	6,6		*0,8*	7,1		*0,9*	8,3		*0,9*		27,6	d	*19,8*
4	Previcur Energy		3 l/ha	6,5		*0,8*	7,0		*0,7*	9,4		*0,7*		66,6	ab	*40,8*
5	AHDB 9882		1,6 l/ha	6,4		*0,5*	7,2		*0,7*	8,6		*0,8*		40,9	cd	*28,3*
6	AHDB 9958		3,2 l/ha	6,2		*0,9*	6,6		*1,0*	8,4		*1,1*		56,5	abc	*33,6*
7	AHDB 9957 (drip)		1 l/ha	5,3		*0,6*	5,7		*0,8*	7,4		*1,0*		57,5	abc	*33,8*
7	AHDB 9957 (Spray)		1 l/ha													
8	AHDB 9815 (Drip)		0,3 kg/ha	5,4		*0,9*	5,6		*1,0*	7,1		*1,8*		54,8	abc	*37,2*
8	AHDB 9815 (Spray)		0,3 kg/ha													
9	Serenade		5 l/ha	6,6		*0,8*	6,8		*0,8*	9,4		*1,1*		58,0	abc	*32,9*
10	Lalstop K61 (Drip)		10 g/1000pl	6,0		*0,7*	6,4		*0,9*	7,7		*1,3*		60,6	abc	*34,7*
10	Lalstop K61 (Spray)		1 kg/ha													
11	Trianum-P		30 g/1000 pl	5,5		*2,1*	5,8		*2,3*	7,1		*2,8*		46,3	bcd	*24,9*
12	AHDB 9792		40 ml/100L	5,7		*1,2*	6,1		*1,2*	7,0		*1,6*		45,0	bcd	*28,0*
13	AHDB 9726		5 kg/ha	4,1		*0,7*	4,3		*0,8*	5,3		*1,5*		41,2	cd	*26,4*
14	Amylo-X		2,5 kg/ha	4,9		*2,1*	5,3		*2,2*	5,5		*2,6*		43,3	bcd	*27,3*
15	AHDB 9808		4 l/ha	5,2		*0,6*	7,2		*0,9*	8,5		*1,9*		51,5	abc	*29,7*
Treatment Prob(F) P=0.05				.			.			.				0,131		

The observed plant length and fresh weight was in line with observed disease severity. Plots that showed lower disease severity, resulted in taller plants and heavier plants.

Crop Safety Assessments

General Cropstand

Treatment				Assessment Date / Days Application-Assessment																	
				5-09-22			8-09-22			9-09-22			12-09-22			16-09-22			19-09-22		
				A00			A03			B01			C03			D04			E03		
	Product	Dose	Unit	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD
1	UTC non-inoculated			5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*
2	UTC Inoculated			5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*
3	Ridomil Gold		1 l/ha	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	4,3	-	*0,5*
4	Previcur Energy		3 l/ha	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,3	-	*0,5*
5	AHDB 9882		1,6 l/ha	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	4,5	-	*0,6*
6	AHDB 9958		3,2 l/ha	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	4,8	-	*0,5*
7	AHDB 9957 (drip)		1 l/ha	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	4,8	-	*0,5*
7	AHDB 9957 (Spray)		1 l/ha																		
8	AHDB 9815 (Drip)		0,3 kg/ha	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	4,8	-	*0,5*
8	AHDB 9815 (Spray)		0,3 kg/ha																		
9	Serenade		5 l/ha	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	4,5	-	*0,6*
10	Lalstop K61 (Drip)		10 g/1000pl	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	4,8	-	*0,5*
10	Lalstop K61 (Spray)		1 kg/ha																		
11	Trianum-P		30 g/1000 pl	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	4,5	-	*0,6*
12	AHDB 9792		40 ml/100L	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	4,3	-	*0,5*
13	AHDB 9726		5 kg/ha	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	4,3	-	*1,0*
14	Amylo-X		2,5 kg/ha	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	4,3	-	*0,5*
15	AHDB 9808		4 l/ha	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	5,0	-	*0,0*	4,5	-	*0,6*
Treatment Prob(F) P=0.05				0,000			0,000			0,000			0,000			0,000			1,063		

Treatment				Assessment Date / Days Application-Assessment																	
				21-09-22			23-09-22			28-09-22			4-10-22			7-10-22					
				E05			E07			F05			F11			F14					
	Product	Dose	Unit	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD			
1	UTC non-inoculated			5,0	-	*0,0*	5,0	-	*0,0*	5,0		*0,0*	5,0	a	*0,0*	5,0	a	*0,0*			
2	UTC Inoculated			5,0	-	*0,0*	5,0	-	*0,0*	4,0		*0,0*	4,0	ab	*0,0*	4,0	ab	*0,0*			
3	Ridomil Gold		1 l/ha	4,3	-	*0,5*	4,3	-	*0,5*	2,0		*0,0*	2,0	c	*0,0*	2,0	c	*0,0*			
4	Previcur Energy		3 l/ha	5,3	-	*0,5*	5,3	-	*0,5*	5,0		*0,0*	4,3	ab	*0,6*	4,3	ab	*0,6*			
5	AHDB 9882		1,6 l/ha	4,5	-	*0,6*	4,5	-	*0,6*	4,0		*0,0*	3,3	b	*0,6*	3,3	b	*0,6*			
6	AHDB 9958		3,2 l/ha	4,8	-	*0,5*	4,8	-	*0,5*	4,0		*0,0*	4,0	ab	*0,0*	4,0	ab	*0,0*			
7	AHDB 9957 (drip)		1 l/ha	4,8	-	*0,5*	4,8	-	*0,5*	4,0		*0,0*	4,0	ab	*0,0*	4,0	ab	*0,0*			
7	AHDB 9957 (Spray)		1 l/ha																		
8	AHDB 9815 (Drip)		0,3 kg/ha	4,8	-	*0,5*	4,8	-	*0,5*	4,0		*0,0*	4,0	ab	*1,0*	4,0	ab	*1,0*			
8	AHDB 9815 (Spray)		0,3 kg/ha																		
9	Serenade		5 l/ha	4,5	-	*0,6*	4,5	-	*0,6*	4,0		*0,0*	4,0	ab	*0,0*	4,0	ab	*0,0*			
10	Lalstop K61 (Drip)		10 g/1000pl	4,8	-	*0,5*	4,8	-	*0,5*	4,0		*0,0*	4,0	ab	*0,0*	4,0	ab	*0,0*			
10	Lalstop K61 (Spray)		1 kg/ha																		
11	Trianum-P		30 g/1000 pl	4,5	-	*0,6*	4,5	-	*0,6*	4,0		*0,0*	3,7	b	*0,6*	3,7	b	*0,6*			
12	AHDB 9792		40 ml/100L	4,3	-	*0,5*	4,3	-	*0,5*	3,0		*0,0*	4,0	ab	*0,0*	4,0	ab	*0,0*			
13	AHDB 9726		5 kg/ha	4,3	-	*1,0*	4,3	-	*1,0*	3,0		*0,0*	3,0	b	*1,0*	3,0	b	*1,0*			
14	Amylo-X		2,5 kg/ha	4,3	-	*0,5*	4,3	-	*0,5*	3,0		*0,0*	3,3	b	*0,6*	3,3	b	*0,6*			
15	AHDB 9808		4 l/ha	4,5	-	*0,6*	4,5	-	*0,6*	4,0		*0,0*	3,7	b	*0,6*	3,7	b	*0,6*			
Treatment Prob(F) P=0.05				1,063			1,063			.			1,163			1,163					

Observed differences in general cropstand were in line with observed disease severity, where higher disease severity showed lower general cropstand.

Phytotoxicity

Treatment				Assessment Date / Days Application-Assessment																	
				5-09-22			8-09-22			9-09-22			12-09-22			16-09-22			19-09-22		
				A00			A03			B01			C03			D04			E03		
	Product	Dose	Unit	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD
1	UTC non-inoculated			0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
2	UTC Inoculated			0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
3	Ridomil Gold		1 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
4	Previcur Energy		3 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
5	AHDB 9882		1,6 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
6	AHDB 9958		3,2 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
7	AHDB 9957 (drip)		1 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
7	AHDB 9957 (Spray)		1 l/ha																		
8	AHDB 9815 (Drip)		0,3 kg/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
8	AHDB 9815 (Spray)		0,3 kg/ha																		
9	Serenade		5 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
10	Lalstop K61 (Drip)		10 g/1000pl	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
10	Lalstop K61 (Spray)		1 kg/ha																		
11	Trianum-P		30 g/1000 pl	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
12	AHDB 9792		40 ml/100L	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
13	AHDB 9726		5 kg/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
14	Amylo-X		2,5 kg/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
15	AHDB 9808		4 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
Treatment Prob(F) P=0.05				0,000			0,000			0,000			0,000			0,000			0,000		

Treatment				Assessment Date / Days Application-Assessment													
				21-09-22			23-09-22			28-09-22			4-10-22			7-10-22		
				E05			E07			F05			F11			F14		
	Product	Dose	Unit	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD
1	UTC non-inoculated			0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
2	UTC Inoculated			0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
3	Ridomil Gold		1 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
4	Previcur Energy		3 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
5	AHDB 9882		1,6 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
6	AHDB 9958		3,2 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
7	AHDB 9957 (drip)		1 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
7	AHDB 9957 (Spray)		1 l/ha															
8	AHDB 9815 (Drip)		0,3 kg/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
8	AHDB 9815 (Spray)		0,3 kg/ha															
9	Serenade		5 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
10	Lalstop K61 (Drip)		10 g/1000pl	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
10	Lalstop K61 (Spray)		1 kg/ha															
11	Trianum-P		30 g/1000 pl	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
12	AHDB 9792		40 ml/100L	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
13	AHDB 9726		5 kg/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
14	Amylo-X		2,5 kg/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
15	AHDB 9808		4 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
Treatment Prob(F) P=0.05				0,000			0,000			0,000			0,000			0,000		

There were no symptoms of phytotoxicity observed during the trial.

Visible spray residue

Treatment				Assessment Date / Days Application-Assessment																	
				5-09-22			8-09-22			9-09-22			12-09-22			16-09-22			19-09-22		
				A00			A03			B01			C03			D04			E03		
	Product	Dose	Unit	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD
1	UTC non-inoculated			0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
2	UTC Inoculated			0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
3	Ridomil Gold		1 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
4	Previcur Energy		3 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
5	AHDB 9882		1,6 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
6	AHDB 9958		3,2 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
7	AHDB 9957 (drip)		1 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
7	AHDB 9957 (Spray)		1 l/ha																		
8	AHDB 9815 (Drip)		0,3 kg/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
8	AHDB 9815 (Spray)		0,3 kg/ha																		
9	Serenade		5 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
10	Lalstop K61 (Drip)		10 g/1000pl	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
10	Lalstop K61 (Spray)		1 kg/ha																		
11	Trianum-P		30 g/1000 pl	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
12	AHDB 9792		40 ml/100L	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
13	AHDB 9726		5 kg/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
14	Amylo-X		2,5 kg/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
15	AHDB 9808		4 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
Treatment Prob(F) P=0.05				0,000			0,000			0,000			0,000			0,000			0,000		

Treatment				Assessment Date / Days Application-Assessment													
				21-09-22			23-09-22			28-09-22			4-10-22			7-10-22		
				E05			E07			F05			F11			F14		
	Product	Dose	Unit	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD	Avg	*	SD
1	UTC non-inoculated			0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
2	UTC Inoculated			0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
3	Ridomil Gold		1 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
4	Previcur Energy		3 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
5	AHDB 9882		1,6 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
6	AHDB 9958		3,2 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
7	AHDB 9957 (drip)		1 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
7	AHDB 9957 (Spray)		1 l/ha															
8	AHDB 9815 (Drip)		0,3 kg/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
8	AHDB 9815 (Spray)		0,3 kg/ha															
9	Serenade		5 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
10	Lalstop K61 (Drip)		10 g/1000pl	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
10	Lalstop K61 (Spray)		1 kg/ha															
11	Trianum-P		30 g/1000 pl	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
12	AHDB 9792		40 ml/100L	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
13	AHDB 9726		5 kg/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
14	Amylo-X		2,5 kg/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
15	AHDB 9808		4 l/ha	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*	0,0	-	*0,0*
Treatment Prob(F) P=0.05				0,000			0,000			0,000			0,000			0,000		

There was no visible spray residue observed during the trial.

Discussion

The first symptoms of *P. aphanidermatum* were observed on September 19th 2022, 10 days after the plants were transplanted onto the infected rockwool blocks. Overall infestation level was low to moderate, with 10.0% disease severity in the inoculated check. No disease symptoms occurred in the non-inoculated check. The relative slow disease development and relatively low overall infestation levels are most like due to the weather conditions at the start of the trial, which was unusually cold and with low light intensity for the time of the year. Besides this, the aim of the infestation level was moderate, which would give the biological fungicides a slightly better chance than with high infestation levels of *P. aphanidermatum*. This all lead to relatively small differences between treatments and no significant differences. In this part of the report, trends will be discussed.

In this trial, under these conditions, applications with AHDB 9958, Serenade and Lalstop K61 showed no symptoms of *P. aphanidermatum* at all during the trial period. In plots treated with Previcur Energy (2.5%), AHDB 9957 (2.5%), AHDB 9808 (2.5%), AHDB 9815 (5.0%), Trianum-P (7.5%) and AHDB 9792 (7.5%) observed disease severity was lower than in the inoculated check. Application with AHDB 9726 lead to the same disease severity as in the inoculated control. Applications of Amylo-X (15.0%) Ridomil gold (20.0%) and AHDB 9882 (25.0%) lead to higher observed disease severity than the inoculated control.

Observed differences between treatments were confirmed by the observed plant length and fresh weight at the end of the trial and also by the observed general cropstand during the trial.

In this trail, under these conditions, no symptoms of phytotoxicity and no visible spray residue were observed. All applied products were safe to use in cucumber youngplants, variety Proloog.

Conclusions

Products AHDB 9958, Serenade and Lalstop K61 showed no disease symptoms and were the most effective against *Pythium aphanidermatum* in this trial.

Products Previcur Energy, AHDB 9957, AHDB 9815 and AHDB 9808 showed lower disease severity than the inoculated control and were partially effective against *Pythium aphanidermatum* in this trial.

Products AHDB 9726, Amylo-X, Ridomil gold and AHDB 9882 showed disease severity comparable to or higher than the inoculated control and thus were not effective against *Pythium aphanidermatum* in this trial, under these conditions.

All applied products were safe to the cucumber youngplants, variety Proloog.

Acknowledgements

N/A

References

N/A

Appendix

a. Trial diary

Date	Notes
N/A	N/A

b. Trial Photographs

Picture 1: Non-inoculated control

Picture 2: Inoculated control

c. Raw data

Botany BV

Trial ID:6472 trial 15 trt AHDB Codes
Protocol ID: Location: Trial Year:2022
Investigator (Creator):Erik Peters

Pest Type								D; Disease	D; Disease	
Pest Code								PYTHAP	PYTHAP	
Pest Scientific Name								Pythium aphanid>	Pythium aphanid>	
Pest Name								Cottony leak of>	Cottony leak of>	
Crop Type, Code						C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale						BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name						Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name						Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety						PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description										
Rating Date						Sep-5-2022	Sep-5-2022	Sep-5-2022	Sep-5-2022	Sep-5-2022
Rating Time										
SE Group No.						1	2	3	40	40
Part Rated										
Rating Type										
Rating Unit/Min/Max										
Calculation										
Sample Size						1 PLOT	1 PLOT	1 PLOT	10 PLANTS	1 PLOT
Collection Basis						1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis						1 PLOT	1 PLOT	1 PLOT	1 PLANT	1 PLOT
Number of Subsamples						1	1	1	10	1
Crop Stage Scale						BBCH				
Crop Stage Majority/Min/Max										
Crop Diameter Average										
Crop Diameter Min/Max										
Crop Height Average										
Crop Height Min/Max										
Crop Density										
Crop Density Min/Max										
Pest Stage Majority/Min/Max										
Pest Diameter Average										
Pest Diameter Min/Max										
Pest Height Average										
Pest Height Min/Max										
Pest Density										
Pest Density Min/Max										
Acceptance Level										
Footnote Number										
Assessed By						BOTANY				
Data Entry Date						Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022	
Equipment										
Rating Timing										
Days After First/Last Applic.										
Trt-Eval Interval										
Plant-Eval Interval										
ARM Action Codes										TIO[4]
Number of Decimals						1	1	1	1	1
Trt	Treatment		Rate	Appl						
No.	Name	Rate	Unit	Code	Plot	1	2	3	4	5
1	UTC non-inoculated				103	5,0	0,0	0,0	0,0	0,0
					216	5,0	0,0	0,0	0,0	0,0
					309	5,0	0,0	0,0	0,0	0,0
					413	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
2	UTC Inoculated				114	5,0	0,0	0,0	0,0	0,0
					203	5,0	0,0	0,0	0,0	0,0
					307	5,0	0,0	0,0	0,0	0,0
					401	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
3	Ridomil Gold		1l/ha	B	104	5,0	0,0	0,0	0,0	0,0
					207	5,0	0,0	0,0	0,0	0,0
					303	5,0	0,0	0,0	0,0	0,0
					407	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
4	Previcur Energy		3l/ha	AB	115	5,0	0,0	0,0	0,0	0,0
					204	5,0	0,0	0,0	0,0	0,0
					305	5,0	0,0	0,0	0,0	0,0
					403	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
5	AHDB 9882		1,6l/ha	B	116	5,0	0,0	0,0	0,0	0,0
					206	5,0	0,0	0,0	0,0	0,0
					311	5,0	0,0	0,0	0,0	0,0
					414	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
6	AHDB 9958		3,2l/ha	AC	110	5,0	0,0	0,0	0,0	0,0
					215	5,0	0,0	0,0	0,0	0,0
					301	5,0	0,0	0,0	0,0	0,0
					411	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
7	AHDB 9957 (drip)		1l/ha	AB	108	5,0	0,0	0,0	0,0	0,0
	AHDB 9957 (Spray)		1l/ha	DEFG	214	5,0	0,0	0,0	0,0	0,0
					302	5,0	0,0	0,0	0,0	0,0
					404	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0

Pest Type								D; Disease	D; Disease
Pest Code								PYTHAP	PYTHAP
Pest Scientific Name								Pythium aphanid>	Pythium aphanid>
Pest Name								Cottony leak of>	Cottony leak of>
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-5-2022	Sep-5-2022	Sep-5-2022	Sep-5-2022	Sep-5-2022
Rating Time									
SE Group No.					1	2	3	40	40
Part Rated									
Rating Type									
Rating Unit/Min/Max									
Calculation									
Sample Size					1 PLOT	1 PLOT	1 PLOT	10 PLANTS	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLOT	1 PLOT	1 PLANT	1 PLOT
Number of Subsamples					1	1	1	10	1
Crop Stage Scale					BBCH				
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By					BOTANY				
Data Entry Date					Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022	
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes									TIO[4]
Number of Decimals					1	1	1	1	1
Trt	Treatment		Rate	Appl					
No.	Name	Rate	Unit	Code	Plot	1	2	3	4	5
8	AHDB 9815 (Drip)	0,3	kg/ha	AB	106	5,0	0,0	0,0	0,0	0,0
	AHDB 9815 (Spray)	0,3	kg/ha	DEFG	210	5,0	0,0	0,0	0,0	0,0
					312	5,0	0,0	0,0	0,0	0,0
					416	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
9	Sonata	10	l/ha	ABDEFG	101	5,0	0,0	0,0	0,0	0,0
					211	5,0	0,0	0,0	0,0	0,0
					308	5,0	0,0	0,0	0,0	0,0
					406	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
10	Lalstop K61 (Drip)	10g/1000 plants		A	109	5,0	0,0	0,0	0,0	0,0
	Lalstop K61 (Spray)	1	kg/ha	B	213	5,0	0,0	0,0	0,0	0,0
					314	5,0	0,0	0,0	0,0	0,0
					412	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
11	Trianum-P	30g/1000 plants		AB	105	5,0	0,0	0,0	0,0	0,0
					202	5,0	0,0	0,0	0,0	0,0
					306	5,0	0,0	0,0	0,0	0,0
					402	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
12	AHDB 9792	40	ml/100 l	C	102	5,0	0,0	0,0	0,0	0,0
					212	5,0	0,0	0,0	0,0	0,0
					313	5,0	0,0	0,0	0,0	0,0
					408	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
13	AHDB 9726	5	kg/ha	AB	112	5,0	0,0	0,0	0,0	0,0
					209	5,0	0,0	0,0	0,0	0,0
					316	5,0	0,0	0,0	0,0	0,0
					410	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
14	Amylo-X	1,5	kg/ha	ADF	111	5,0	0,0	0,0	0,0	0,0
					208	5,0	0,0	0,0	0,0	0,0
					315	5,0	0,0	0,0	0,0	0,0
					405	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
15	AHDB 9808	4	l/ha	ADF	107	5,0	0,0	0,0	0,0	0,0
					205	5,0	0,0	0,0	0,0	0,0
					310	5,0	0,0	0,0	0,0	0,0
					409	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0

Pest Type								D; Disease	D; Disease
Pest Code								PYTHAP	PYTHAP
Pest Scientific Name								Pythium aphanid>	Pythium aphanid>
Pest Name								Cottony leak of>	Cottony leak of>
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-8-2022	Sep-8-2022	Sep-8-2022	Sep-8-2022	Sep-8-2022
Rating Time									
SE Group No.					4	5	6	40	40
Part Rated									
Rating Type									
Rating Unit/Min/Max									
Calculation									
Sample Size					1 PLOT	1 PLOT	1 PLOT	10 PLANTS	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLOT	1 PLOT	1 PLANT	1 PLOT
Number of Subsamples					1	1	1	10	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022	
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes									TIO[9]
Number of Decimals					1	1	1	1	1
Trt	Treatment		Rate	Appl					
No.	Name	Rate	Unit	Code	Plot	6	7	8	9	10
1	UTC non-inoculated				103	5,0	0,0	0,0	0,0	0,0
					216	5,0	0,0	0,0	0,0	0,0
					309	5,0	0,0	0,0	0,0	0,0
					413	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
2	UTC Inoculated				114	5,0	0,0	0,0	0,0	0,0
					203	5,0	0,0	0,0	0,0	0,0
					307	5,0	0,0	0,0	0,0	0,0
					401	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
3	Ridomil Gold		1l/ha	B	104	5,0	0,0	0,0	0,0	0,0
					207	5,0	0,0	0,0	0,0	0,0
					303	5,0	0,0	0,0	0,0	0,0
					407	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
4	Previcur Energy		3l/ha	AB	115	5,0	0,0	0,0	0,0	0,0
					204	5,0	0,0	0,0	0,0	0,0
					305	5,0	0,0	0,0	0,0	0,0
					403	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
5	AHDB 9882		1,6l/ha	B	116	5,0	0,0	0,0	0,0	0,0
					206	5,0	0,0	0,0	0,0	0,0
					311	5,0	0,0	0,0	0,0	0,0
					414	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
6	AHDB 9958		3,2l/ha	AC	110	5,0	0,0	0,0	0,0	0,0
					215	5,0	0,0	0,0	0,0	0,0
					301	5,0	0,0	0,0	0,0	0,0
					411	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
7	AHDB 9957 (drip)		1l/ha	AB	108	5,0	0,0	0,0	0,0	0,0
	AHDB 9957 (Spray)		1l/ha	DEFG	214	5,0	0,0	0,0	0,0	0,0
					302	5,0	0,0	0,0	0,0	0,0
					404	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0

Pest Type								D; Disease	D; Disease
Pest Code								PYTHAP	PYTHAP
Pest Scientific Name								Pythium aphanid>	Pythium aphanid>
Pest Name								Cottony leak of>	Cottony leak of>
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-8-2022	Sep-8-2022	Sep-8-2022	Sep-8-2022	Sep-8-2022
Rating Time									
SE Group No.					4	5	6	40	40
Part Rated									
Rating Type									
Rating Unit/Min/Max									
Calculation									
Sample Size					1 PLOT	1 PLOT	1 PLOT	10 PLANTS	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLOT	1 PLOT	1 PLANT	1 PLOT
Number of Subsamples					1	1	1	10	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022	
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes									TIO[9]
Number of Decimals					1	1	1	1	1
Trt	Treatment	Rate		Appl					
No.	Name	Rate	Unit	Code	Plot	6	7	8	9	10
8	AHDB 9815 (Drip)	0,3	kg/ha	AB	106	5,0	0,0	0,0	0,0	0,0
	AHDB 9815 (Spray)	0,3	kg/ha	DEFG	210	5,0	0,0	0,0	0,0	0,0
					312	5,0	0,0	0,0	0,0	0,0
					416	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
9	Sonata	10	l/ha	ABDEFG	101	5,0	0,0	0,0	0,0	0,0
					211	5,0	0,0	0,0	0,0	0,0
					308	5,0	0,0	0,0	0,0	0,0
					406	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
10	Lalstop K61 (Drip)	10g/1000 plants		A	109	5,0	0,0	0,0	0,0	0,0
	Lalstop K61 (Spray)	1	kg/ha	B	213	5,0	0,0	0,0	0,0	0,0
					314	5,0	0,0	0,0	0,0	0,0
					412	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
11	Trianum-P	30g/1000 plants		AB	105	5,0	0,0	0,0	0,0	0,0
					202	5,0	0,0	0,0	0,0	0,0
					306	5,0	0,0	0,0	0,0	0,0
					402	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
12	AHDB 9792	40	ml/100 l	C	102	5,0	0,0	0,0	0,0	0,0
					212	5,0	0,0	0,0	0,0	0,0
					313	5,0	0,0	0,0	0,0	0,0
					408	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
13	AHDB 9726	5	kg/ha	AB	112	5,0	0,0	0,0	0,0	0,0
					209	5,0	0,0	0,0	0,0	0,0
					316	5,0	0,0	0,0	0,0	0,0
					410	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
14	Amylo-X	1,5	kg/ha	ADF	111	5,0	0,0	0,0	0,0	0,0
					208	5,0	0,0	0,0	0,0	0,0
					315	5,0	0,0	0,0	0,0	0,0
					405	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
15	AHDB 9808	4	l/ha	ADF	107	5,0	0,0	0,0	0,0	0,0
					205	5,0	0,0	0,0	0,0	0,0
					310	5,0	0,0	0,0	0,0	0,0
					409	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0

Pest Type								D; Disease	D; Disease
Pest Code								PYTHAP	PYTHAP
Pest Scientific Name								Pythium aphanid>	Pythium aphanid>
Pest Name								Cottony leak of>	Cottony leak of>
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-9-2022	Sep-9-2022	Sep-9-2022	Sep-9-2022	Sep-9-2022
Rating Time									
SE Group No.					7	8	9	40	40
Part Rated									
Rating Type									
Rating Unit/Min/Max									
Calculation									
Sample Size					1 PLOT	1 PLOT	1 PLOT	10 PLANTS	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLOT	1 PLOT	1 PLANT	1 PLOT
Number of Subsamples					1	1	1	10	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022	
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes									TIO[14]
Number of Decimals					1	1	1	1	1
Trt	Treatment		Rate	Appl					
No.	Name	Rate	Unit	Code	Plot	11	12	13	14	15
1	UTC non-inoculated				103	5,0	0,0	0,0	0,0	0,0
					216	5,0	0,0	0,0	0,0	0,0
					309	5,0	0,0	0,0	0,0	0,0
					413	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
2	UTC Inoculated				114	5,0	0,0	0,0	0,0	0,0
					203	5,0	0,0	0,0	0,0	0,0
					307	5,0	0,0	0,0	0,0	0,0
					401	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
3	Ridomil Gold		1l/ha	B	104	5,0	0,0	0,0	0,0	0,0
					207	5,0	0,0	0,0	0,0	0,0
					303	5,0	0,0	0,0	0,0	0,0
					407	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
4	Previcur Energy		3l/ha	AB	115	5,0	0,0	0,0	0,0	0,0
					204	5,0	0,0	0,0	0,0	0,0
					305	5,0	0,0	0,0	0,0	0,0
					403	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
5	AHDB 9882		1,6l/ha	B	116	5,0	0,0	0,0	0,0	0,0
					206	5,0	0,0	0,0	0,0	0,0
					311	5,0	0,0	0,0	0,0	0,0
					414	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
6	AHDB 9958		3,2l/ha	AC	110	5,0	0,0	0,0	0,0	0,0
					215	5,0	0,0	0,0	0,0	0,0
					301	5,0	0,0	0,0	0,0	0,0
					411	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
7	AHDB 9957 (drip)		1l/ha	AB	108	5,0	0,0	0,0	0,0	0,0
	AHDB 9957 (Spray)		1l/ha	DEFG	214	5,0	0,0	0,0	0,0	0,0
					302	5,0	0,0	0,0	0,0	0,0
					404	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0

Pest Type								D; Disease	D; Disease
Pest Code								PYTHAP	PYTHAP
Pest Scientific Name								Pythium aphanid>	Pythium aphanid>
Pest Name								Cottony leak of>	Cottony leak of>
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-9-2022	Sep-9-2022	Sep-9-2022	Sep-9-2022	Sep-9-2022
Rating Time									
SE Group No.					7	8	9	40	40
Part Rated									
Rating Type									
Rating Unit/Min/Max									
Calculation									
Sample Size					1 PLOT	1 PLOT	1 PLOT	10 PLANTS	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLOT	1 PLOT	1 PLANT	1 PLOT
Number of Subsamples					1	1	1	10	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022	
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes									TIO[14]
Number of Decimals					1	1	1	1	1
Trt	Treatment	Rate		Appl					
No.	Name	Rate Unit		Code	Plot	11	12	13	14	15
8	AHDB 9815 (Drip)	0,3kg/ha		AB	106	5,0	0,0	0,0	0,0	0,0
	AHDB 9815 (Spray)	0,3kg/ha		DEFG	210	5,0	0,0	0,0	0,0	0,0
					312	5,0	0,0	0,0	0,0	0,0
					416	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
9	Sonata	10l/ha		ABDEFG	101	5,0	0,0	0,0	0,0	0,0
					211	5,0	0,0	0,0	0,0	0,0
					308	5,0	0,0	0,0	0,0	0,0
					406	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
10	Lalstop K61 (Drip)	10g/1000 plants		A	109	5,0	0,0	0,0	0,0	0,0
	Lalstop K61 (Spray)	1kg/ha		B	213	5,0	0,0	0,0	0,0	0,0
					314	5,0	0,0	0,0	0,0	0,0
					412	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
11	Trianum-P	30g/1000 plants		AB	105	5,0	0,0	0,0	0,0	0,0
					202	5,0	0,0	0,0	0,0	0,0
					306	5,0	0,0	0,0	0,0	0,0
					402	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
12	AHDB 9792	40ml/100 l		C	102	5,0	0,0	0,0	0,0	0,0
					212	5,0	0,0	0,0	0,0	0,0
					313	5,0	0,0	0,0	0,0	0,0
					408	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
13	AHDB 9726	5kg/ha		AB	112	5,0	0,0	0,0	0,0	0,0
					209	5,0	0,0	0,0	0,0	0,0
					316	5,0	0,0	0,0	0,0	0,0
					410	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
14	Amylo-X	1,5kg/ha		ADF	111	5,0	0,0	0,0	0,0	0,0
					208	5,0	0,0	0,0	0,0	0,0
					315	5,0	0,0	0,0	0,0	0,0
					405	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
15	AHDB 9808	4l/ha		ADF	107	5,0	0,0	0,0	0,0	0,0
					205	5,0	0,0	0,0	0,0	0,0
					310	5,0	0,0	0,0	0,0	0,0
					409	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0

Pest Type								D; Disease	D; Disease
Pest Code								PYTHAP	PYTHAP
Pest Scientific Name								Pythium aphanid>	Pythium aphanid>
Pest Name								Cottony leak of>	Cottony leak of>
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-12-2022	Sep-12-2022	Sep-12-2022	Sep-12-2022	Sep-12-2022
Rating Time									
SE Group No.					10	11	12	40	40
Part Rated									
Rating Type									
Rating Unit/Min/Max									
Calculation									
Sample Size					1 PLOT	1 PLOT	1 PLOT	10 PLANTS	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLOT	1 PLOT	1 PLANT	1 PLOT
Number of Subsamples					1	1	1	10	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022	
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes									TIO[19]
Number of Decimals					1	1	1	1	1
Trt	Treatment		Rate	Appl					
No.	Name	Rate	Unit	Code	Plot	16	17	18	19	20
1	UTC non-inoculated				103	5,0	0,0	0,0	0,0	0,0
					216	5,0	0,0	0,0	0,0	0,0
					309	5,0	0,0	0,0	0,0	0,0
					413	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
2	UTC Inoculated				114	5,0	0,0	0,0	0,0	0,0
					203	5,0	0,0	0,0	0,0	0,0
					307	5,0	0,0	0,0	0,0	0,0
					401	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
3	Ridomil Gold		1l/ha	B	104	5,0	0,0	0,0	0,0	0,0
					207	5,0	0,0	0,0	0,0	0,0
					303	5,0	0,0	0,0	0,0	0,0
					407	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
4	Previcur Energy		3l/ha	AB	115	5,0	0,0	0,0	0,0	0,0
					204	5,0	0,0	0,0	0,0	0,0
					305	5,0	0,0	0,0	0,0	0,0
					403	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
5	AHDB 9882		1,6l/ha	B	116	5,0	0,0	0,0	0,0	0,0
					206	5,0	0,0	0,0	0,0	0,0
					311	5,0	0,0	0,0	0,0	0,0
					414	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
6	AHDB 9958		3,2l/ha	AC	110	5,0	0,0	0,0	0,0	0,0
					215	5,0	0,0	0,0	0,0	0,0
					301	5,0	0,0	0,0	0,0	0,0
					411	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
7	AHDB 9957 (drip)		1l/ha	AB	108	5,0	0,0	0,0	0,0	0,0
	AHDB 9957 (Spray)		1l/ha	DEFG	214	5,0	0,0	0,0	0,0	0,0
					302	5,0	0,0	0,0	0,0	0,0
					404	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0

Pest Type								D; Disease	D; Disease
Pest Code								PYTHAP	PYTHAP
Pest Scientific Name								Pythium aphanid>	Pythium aphanid>
Pest Name								Cottony leak of>	Cottony leak of>
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-12-2022	Sep-12-2022	Sep-12-2022	Sep-12-2022	Sep-12-2022
Rating Time									
SE Group No.					10	11	12	40	40
Part Rated									
Rating Type									
Rating Unit/Min/Max									
Calculation									
Sample Size					1 PLOT	1 PLOT	1 PLOT	10 PLANTS	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLOT	1 PLOT	1 PLANT	1 PLOT
Number of Subsamples					1	1	1	10	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022	
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes									TIO[19]
Number of Decimals					1	1	1	1	1
Trt	Treatment	Rate		Appl					
No.	Name	Rate	Unit	Code	Plot	16	17	18	19	20
8	AHDB 9815 (Drip)	0,3kg/ha		AB	106	5,0	0,0	0,0	0,0	0,0
	AHDB 9815 (Spray)	0,3kg/ha		DEFG	210	5,0	0,0	0,0	0,0	0,0
					312	5,0	0,0	0,0	0,0	0,0
					416	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
9	Sonata	10l/ha		ABDEFG	101	5,0	0,0	0,0	0,0	0,0
					211	5,0	0,0	0,0	0,0	0,0
					308	5,0	0,0	0,0	0,0	0,0
					406	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
10	Lalstop K61 (Drip)	10g/1000 plants		A	109	5,0	0,0	0,0	0,0	0,0
	Lalstop K61 (Spray)	1kg/ha		B	213	5,0	0,0	0,0	0,0	0,0
					314	5,0	0,0	0,0	0,0	0,0
					412	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
11	Trianum-P	30g/1000 plants		AB	105	5,0	0,0	0,0	0,0	0,0
					202	5,0	0,0	0,0	0,0	0,0
					306	5,0	0,0	0,0	0,0	0,0
					402	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
12	AHDB 9792	40ml/100 l		C	102	5,0	0,0	0,0	0,0	0,0
					212	5,0	0,0	0,0	0,0	0,0
					313	5,0	0,0	0,0	0,0	0,0
					408	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
13	AHDB 9726	5kg/ha		AB	112	5,0	0,0	0,0	0,0	0,0
					209	5,0	0,0	0,0	0,0	0,0
					316	5,0	0,0	0,0	0,0	0,0
					410	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
14	Amylo-X	1,5kg/ha		ADF	111	5,0	0,0	0,0	0,0	0,0
					208	5,0	0,0	0,0	0,0	0,0
					315	5,0	0,0	0,0	0,0	0,0
					405	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
15	AHDB 9808	4l/ha		ADF	107	5,0	0,0	0,0	0,0	0,0
					205	5,0	0,0	0,0	0,0	0,0
					310	5,0	0,0	0,0	0,0	0,0
					409	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0

Pest Type								D; Disease	D; Disease
Pest Code								PYTHAP	PYTHAP
Pest Scientific Name								Pythium aphanid>	Pythium aphanid>
Pest Name								Cottony leak of>	Cottony leak of>
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-16-2022	Sep-16-2022	Sep-16-2022	Sep-16-2022	Sep-16-2022
Rating Time									
SE Group No.					13	14	15	40	40
Part Rated									
Rating Type									
Rating Unit/Min/Max									
Calculation									
Sample Size					1 PLOT	1 PLOT	1 PLOT	10 PLANTS	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLOT	1 PLOT	1 PLANT	1 PLOT
Number of Subsamples					1	1	1	10	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022	
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes									TIO[24]
Number of Decimals					1	1	1	1	1
Trt	Treatment		Rate	Appl					
No.	Name	Rate	Unit	Code	Plot	21	22	23	24	25
1	UTC non-inoculated				103	5,0	0,0	0,0	0,0	0,0
					216	5,0	0,0	0,0	0,0	0,0
					309	5,0	0,0	0,0	0,0	0,0
					413	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
2	UTC Inoculated				114	5,0	0,0	0,0	0,0	0,0
					203	5,0	0,0	0,0	0,0	0,0
					307	5,0	0,0	0,0	0,0	0,0
					401	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
3	Ridomil Gold		1l/ha	B	104	5,0	0,0	0,0	0,0	0,0
					207	5,0	0,0	0,0	0,0	0,0
					303	5,0	0,0	0,0	0,0	0,0
					407	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
4	Previcur Energy		3l/ha	AB	115	5,0	0,0	0,0	0,0	0,0
					204	5,0	0,0	0,0	0,0	0,0
					305	5,0	0,0	0,0	0,0	0,0
					403	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
5	AHDB 9882		1,6l/ha	B	116	5,0	0,0	0,0	0,0	0,0
					206	5,0	0,0	0,0	0,0	0,0
					311	5,0	0,0	0,0	0,0	0,0
					414	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
6	AHDB 9958		3,2l/ha	AC	110	5,0	0,0	0,0	0,0	0,0
					215	5,0	0,0	0,0	0,0	0,0
					301	5,0	0,0	0,0	0,0	0,0
					411	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
7	AHDB 9957 (drip)		1l/ha	AB	108	5,0	0,0	0,0	0,0	0,0
	AHDB 9957 (Spray)		1l/ha	DEFG	214	5,0	0,0	0,0	0,0	0,0
					302	5,0	0,0	0,0	0,0	0,0
					404	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0

Pest Type								D; Disease	D; Disease
Pest Code								PYTHAP	PYTHAP
Pest Scientific Name								Pythium aphanid>	Pythium aphanid>
Pest Name								Cottony leak of>	Cottony leak of>
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-16-2022	Sep-16-2022	Sep-16-2022	Sep-16-2022	Sep-16-2022
Rating Time									
SE Group No.					13	14	15	40	40
Part Rated									
Rating Type									
Rating Unit/Min/Max									
Calculation									
Sample Size					1 PLOT	1 PLOT	1 PLOT	10 PLANTS	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLOT	1 PLOT	1 PLANT	1 PLOT
Number of Subsamples					1	1	1	10	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022	
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes									TIO[24]
Number of Decimals					1	1	1	1	1
Trt	Treatment	Rate		Appl					
No.	Name	Rate	Unit	Code	Plot	21	22	23	24	25
8	AHDB 9815 (Drip)	0,3	kg/ha	AB	106	5,0	0,0	0,0	0,0	0,0
	AHDB 9815 (Spray)	0,3	kg/ha	DEFG	210	5,0	0,0	0,0	0,0	0,0
					312	5,0	0,0	0,0	0,0	0,0
					416	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
9	Sonata	10	l/ha	ABDEFG	101	5,0	0,0	0,0	0,0	0,0
					211	5,0	0,0	0,0	0,0	0,0
					308	5,0	0,0	0,0	0,0	0,0
					406	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
10	Lalstop K61 (Drip)	10g/1000 plants		A	109	5,0	0,0	0,0	0,0	0,0
	Lalstop K61 (Spray)	1	kg/ha	B	213	5,0	0,0	0,0	0,0	0,0
					314	5,0	0,0	0,0	0,0	0,0
					412	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
11	Trianum-P	30g/1000 plants		AB	105	5,0	0,0	0,0	0,0	0,0
					202	5,0	0,0	0,0	0,0	0,0
					306	5,0	0,0	0,0	0,0	0,0
					402	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
12	AHDB 9792	40	ml/100 l	C	102	5,0	0,0	0,0	0,0	0,0
					212	5,0	0,0	0,0	0,0	0,0
					313	5,0	0,0	0,0	0,0	0,0
					408	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
13	AHDB 9726	5	kg/ha	AB	112	5,0	0,0	0,0	0,0	0,0
					209	5,0	0,0	0,0	0,0	0,0
					316	5,0	0,0	0,0	0,0	0,0
					410	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
14	Amylo-X	1,5	kg/ha	ADF	111	5,0	0,0	0,0	0,0	0,0
					208	5,0	0,0	0,0	0,0	0,0
					315	5,0	0,0	0,0	0,0	0,0
					405	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
15	AHDB 9808	4	l/ha	ADF	107	5,0	0,0	0,0	0,0	0,0
					205	5,0	0,0	0,0	0,0	0,0
					310	5,0	0,0	0,0	0,0	0,0
					409	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0

Pest Type								D; Disease	D; Disease
Pest Code								PYTHAP	PYTHAP
Pest Scientific Name								Pythium aphanid>	Pythium aphanid>
Pest Name								Cottony leak of>	Cottony leak of>
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-19-2022	Sep-19-2022	Sep-19-2022	Sep-19-2022	Sep-19-2022
Rating Time									
SE Group No.					16	17	18	40	40
Part Rated									
Rating Type									
Rating Unit/Min/Max									
Calculation									
Sample Size					1 PLOT	1 PLOT	1 PLOT	10 PLANTS	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLOT	1 PLOT	1 PLANT	1 PLOT
Number of Subsamples					1	1	1	10	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022	
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes									TIO[29]
Number of Decimals					1	1	1	1	1
Trt	Treatment		Rate	Appl					
No.	Name	Rate	Unit	Code	Plot	26	27	28	29	30
1	UTC non-inoculated				103	5,0	0,0	0,0	0,0	0,0
					216	5,0	0,0	0,0	0,0	0,0
					309	5,0	0,0	0,0	0,0	0,0
					413	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
2	UTC Inoculated				114	5,0	0,0	0,0	0,0	0,0
					203	5,0	0,0	0,0	0,0	0,0
					307	5,0	0,0	0,0	0,0	0,0
					401	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
3	Ridomil Gold		1l/ha	B	104	4,0	0,0	0,0	0,0	0,0
					207	5,0	0,0	0,0	0,0	0,0
					303	4,0	0,0	0,0	0,0	0,0
					407	4,0	0,0	0,0	0,0	0,0
					Mean =	4,3	0,0	0,0	0,0	0,0
4	Previcur Energy		3l/ha	AB	115	5,0	0,0	0,0	0,0	0,0
					204	6,0	0,0	0,0	0,0	0,0
					305	5,0	0,0	0,0	0,0	0,0
					403	5,0	0,0	0,0	0,0	0,0
					Mean =	5,3	0,0	0,0	0,0	0,0
5	AHDB 9882		1,6l/ha	B	116	5,0	0,0	0,0	0,0	0,0
					206	5,0	0,0	0,0	0,0	0,0
					311	4,0	0,0	0,0	0,0	0,0
					414	4,0	0,0	0,0	0,0	0,0
					Mean =	4,5	0,0	0,0	0,0	0,0
6	AHDB 9958		3,2l/ha	AC	110	4,0	0,0	0,0	0,0	0,0
					215	5,0	0,0	0,0	0,0	0,0
					301	5,0	0,0	0,0	0,0	0,0
					411	5,0	0,0	0,0	0,0	0,0
					Mean =	4,8	0,0	0,0	0,0	0,0
7	AHDB 9957 (drip)		1l/ha	AB	108	4,0	0,0	0,0	0,0	0,0
	AHDB 9957 (Spray)		1l/ha	DEFG	214	5,0	0,0	0,0	0,0	0,0
					302	5,0	0,0	0,0	0,0	0,0
					404	5,0	0,0	0,0	0,0	0,0
					Mean =	4,8	0,0	0,0	0,0	0,0

Pest Type								D; Disease	D; Disease
Pest Code								PYTHAP	PYTHAP
Pest Scientific Name								Pythium aphanid>	Pythium aphanid>
Pest Name								Cottony leak of>	Cottony leak of>
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-19-2022	Sep-19-2022	Sep-19-2022	Sep-19-2022	Sep-19-2022
Rating Time									
SE Group No.					16	17	18	40	40
Part Rated									
Rating Type									
Rating Unit/Min/Max									
Calculation									
Sample Size					1 PLOT	1 PLOT	1 PLOT	10 PLANTS	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLOT	1 PLOT	1 PLANT	1 PLOT
Number of Subsamples					1	1	1	10	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022	
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes									TIO[29]
Number of Decimals					1	1	1	1	1
Trt	Treatment	Rate	Appl						
No.	Name	Rate Unit	Code	Plot	26	27	28	29	30
8	AHDB 9815 (Drip)	0,3kg/ha	AB	106	4,0	0,0	0,0	0,0	0,0
	AHDB 9815 (Spray)	0,3kg/ha	DEFG	210	5,0	0,0	0,0	0,0	0,0
				312	5,0	0,0	0,0	0,0	0,0
				416	5,0	0,0	0,0	0,0	0,0
				Mean =	4,8	0,0	0,0	0,0	0,0
9	Sonata	10l/ha	ABDEFG	101	4,0	0,0	0,0	0,0	0,0
				211	5,0	0,0	0,0	0,0	0,0
				308	4,0	0,0	0,0	0,0	0,0
				406	5,0	0,0	0,0	0,0	0,0
				Mean =	4,5	0,0	0,0	0,0	0,0
10	Lalstop K61 (Drip)	10g/1000 plants	A	109	4,0	0,0	0,0	0,0	0,0
	Lalstop K61 (Spray)	1kg/ha	B	213	5,0	0,0	0,0	0,0	0,0
				314	5,0	0,0	0,0	0,0	0,0
				412	5,0	0,0	0,0	0,0	0,0
				Mean =	4,8	0,0	0,0	0,0	0,0
11	Trianum-P	30g/1000 plants	AB	105	4,0	0,0	0,0	10,0	10,0
				202	4,0	0,0	0,0	0,0	0,0
				306	5,0	0,0	0,0	0,0	0,0
				402	5,0	0,0	0,0	20,0	20,0
				Mean =	4,5	0,0	0,0	7,5	7,5
12	AHDB 9792	40ml/100 l	C	102	4,0	0,0	0,0	0,0	0,0
				212	4,0	0,0	0,0	0,0	0,0
				313	4,0	0,0	0,0	0,0	0,0
				408	5,0	0,0	0,0	0,0	0,0
				Mean =	4,3	0,0	0,0	0,0	0,0
13	AHDB 9726	5kg/ha	AB	112	3,0	0,0	0,0	0,0	0,0
				209	5,0	0,0	0,0	20,0	20,0
				316	5,0	0,0	0,0	10,0	10,0
				410	4,0	0,0	0,0	10,0	10,0
				Mean =	4,3	0,0	0,0	10,0	10,0
14	Amylo-X	1,5kg/ha	ADF	111	4,0	0,0	0,0	10,0	10,0
				208	4,0	0,0	0,0	30,0	30,0
				315	5,0	0,0	0,0	0,0	0,0
				405	4,0	0,0	0,0	20,0	20,0
				Mean =	4,3	0,0	0,0	15,0	15,0
15	AHDB 9808	4l/ha	ADF	107	5,0	0,0	0,0	0,0	0,0
				205	5,0	0,0	0,0	0,0	0,0
				310	4,0	0,0	0,0	0,0	0,0
				409	4,0	0,0	0,0	0,0	0,0
				Mean =	4,5	0,0	0,0	0,0	0,0

Pest Type								D; Disease	D; Disease
Pest Code								PYTHAP	PYTHAP
Pest Scientific Name								Pythium aphanid>	Pythium aphanid>
Pest Name								Cottony leak of>	Cottony leak of>
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-21-2022	Sep-21-2022	Sep-21-2022	Sep-21-2022	Sep-21-2022
Rating Time									
SE Group No.					19	20	21	40	40
Part Rated									
Rating Type									
Rating Unit/Min/Max									
Calculation									
Sample Size					1 PLOT	1 PLOT	1 PLOT	10 PLANTS	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLOT	1 PLOT	1 PLANT	1 PLOT
Number of Subsamples					1	1	1	10	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022	
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes									TIO[34]
Number of Decimals					1	1	1	1	1
Trt	Treatment		Rate	Appl					
No.	Name	Rate	Unit	Code	Plot	31	32	33	34	35
1	UTC non-inoculated				103	5,0	0,0	0,0	0,0	0,0
					216	5,0	0,0	0,0	0,0	0,0
					309	5,0	0,0	0,0	0,0	0,0
					413	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
2	UTC Inoculated				114	5,0	0,0	0,0	0,0	0,0
					203	5,0	0,0	0,0	0,0	0,0
					307	5,0	0,0	0,0	0,0	0,0
					401	5,0	0,0	0,0	0,0	0,0
					Mean =	5,0	0,0	0,0	0,0	0,0
3	Ridomil Gold		1l/ha	B	104	4,0	0,0	0,0	0,0	0,0
					207	5,0	0,0	0,0	0,0	0,0
					303	4,0	0,0	0,0	0,0	0,0
					407	4,0	0,0	0,0	0,0	0,0
					Mean =	4,3	0,0	0,0	0,0	0,0
4	Previcur Energy		3l/ha	AB	115	5,0	0,0	0,0	0,0	0,0
					204	6,0	0,0	0,0	0,0	0,0
					305	5,0	0,0	0,0	0,0	0,0
					403	5,0	0,0	0,0	0,0	0,0
					Mean =	5,3	0,0	0,0	0,0	0,0
5	AHDB 9882		1,6l/ha	B	116	5,0	0,0	0,0	0,0	0,0
					206	5,0	0,0	0,0	0,0	0,0
					311	4,0	0,0	0,0	0,0	0,0
					414	4,0	0,0	0,0	0,0	0,0
					Mean =	4,5	0,0	0,0	0,0	0,0
6	AHDB 9958		3,2l/ha	AC	110	4,0	0,0	0,0	0,0	0,0
					215	5,0	0,0	0,0	0,0	0,0
					301	5,0	0,0	0,0	0,0	0,0
					411	5,0	0,0	0,0	0,0	0,0
					Mean =	4,8	0,0	0,0	0,0	0,0
7	AHDB 9957 (drip)		1l/ha	AB	108	4,0	0,0	0,0	0,0	0,0
	AHDB 9957 (Spray)		1l/ha	DEFG	214	5,0	0,0	0,0	0,0	0,0
					302	5,0	0,0	0,0	0,0	0,0
					404	5,0	0,0	0,0	0,0	0,0
					Mean =	4,8	0,0	0,0	0,0	0,0

Pest Type								D; Disease	D; Disease
Pest Code								PYTHAP	PYTHAP
Pest Scientific Name								Pythium aphanid>	Pythium aphanid>
Pest Name								Cottony leak of>	Cottony leak of>
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-21-2022	Sep-21-2022	Sep-21-2022	Sep-21-2022	Sep-21-2022
Rating Time									
SE Group No.					19	20	21	40	40
Part Rated									
Rating Type									
Rating Unit/Min/Max									
Calculation									
Sample Size					1 PLOT	1 PLOT	1 PLOT	10 PLANTS	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLOT	1 PLOT	1 PLANT	1 PLOT
Number of Subsamples					1	1	1	10	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022	
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes									TIO[34]
Number of Decimals					1	1	1	1	1
Trt	Treatment	Rate	Appl						
No.	Name	Rate Unit	Code	Plot	31	32	33	34	35
8	AHDB 9815 (Drip)	0,3kg/ha	AB	106	4,0	0,0	0,0	0,0	0,0
	AHDB 9815 (Spray)	0,3kg/ha	DEFG	210	5,0	0,0	0,0	0,0	0,0
				312	5,0	0,0	0,0	0,0	0,0
				416	5,0	0,0	0,0	0,0	0,0
				Mean =	4,8	0,0	0,0	0,0	0,0
9	Sonata	10l/ha	ABDEFG	101	4,0	0,0	0,0	0,0	0,0
				211	5,0	0,0	0,0	0,0	0,0
				308	4,0	0,0	0,0	0,0	0,0
				406	5,0	0,0	0,0	0,0	0,0
				Mean =	4,5	0,0	0,0	0,0	0,0
10	Lalstop K61 (Drip)	10g/1000 plants	A	109	4,0	0,0	0,0	0,0	0,0
	Lalstop K61 (Spray)	1kg/ha	B	213	5,0	0,0	0,0	0,0	0,0
				314	5,0	0,0	0,0	0,0	0,0
				412	5,0	0,0	0,0	0,0	0,0
				Mean =	4,8	0,0	0,0	0,0	0,0
11	Trianum-P	30g/1000 plants	AB	105	4,0	0,0	0,0	10,0	10,0
				202	4,0	0,0	0,0	0,0	0,0
				306	5,0	0,0	0,0	0,0	0,0
				402	5,0	0,0	0,0	20,0	20,0
				Mean =	4,5	0,0	0,0	7,5	7,5
12	AHDB 9792	40ml/100 l	C	102	4,0	0,0	0,0	0,0	0,0
				212	4,0	0,0	0,0	0,0	0,0
				313	4,0	0,0	0,0	0,0	0,0
				408	5,0	0,0	0,0	0,0	0,0
				Mean =	4,3	0,0	0,0	0,0	0,0
13	AHDB 9726	5kg/ha	AB	112	3,0	0,0	0,0	0,0	0,0
				209	5,0	0,0	0,0	20,0	20,0
				316	5,0	0,0	0,0	10,0	10,0
				410	4,0	0,0	0,0	10,0	10,0
				Mean =	4,3	0,0	0,0	10,0	10,0
14	Amylo-X	1,5kg/ha	ADF	111	4,0	0,0	0,0	10,0	10,0
				208	4,0	0,0	0,0	30,0	30,0
				315	5,0	0,0	0,0	0,0	0,0
				405	4,0	0,0	0,0	20,0	20,0
				Mean =	4,3	0,0	0,0	15,0	15,0
15	AHDB 9808	4l/ha	ADF	107	5,0	0,0	0,0	0,0	0,0
				205	5,0	0,0	0,0	0,0	0,0
				310	4,0	0,0	0,0	0,0	0,0
				409	4,0	0,0	0,0	0,0	0,0
				Mean =	4,5	0,0	0,0	0,0	0,0

Pest Type									D; Disease
Pest Code									PYTHAP
Pest Scientific Name									Pythium aphanid>
Pest Name									Cottony leak of>
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date						Sep-23-2022	Sep-23-2022	Sep-23-2022	Sep-23-2022
Rating Time									
SE Group No.					45	22	23	24	40
Part Rated									
Rating Type									
Rating Unit/Min/Max					CM; -; -				
Calculation									
Sample Size					10 PLANTS	1 PLOT	1 PLOT	1 PLOT	10 PLANTS
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLANT	1 PLOT	1 PLOT	1 PLOT	1 PLANT
Number of Subsamples					10	1	1	1	10
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Oct-18-2022	Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes									
Number of Decimals					1	1	1	1	1
Trt	Treatment		Rate	Appl						
No.	Name	Rate	Unit	Code	Plot	36	37	38	39	40
1	UTC non-inoculated				103	8,2	5,0	0,0	0,0	0,0
					216		5,0	0,0	0,0	0,0
					309		5,0	0,0	0,0	0,0
					413		5,0	0,0	0,0	0,0
					Mean =	8,2	5,0	0,0	0,0	0,0
2	UTC Inoculated				114	6,8	5,0	0,0	0,0	0,0
					203		5,0	0,0	0,0	0,0
					307		5,0	0,0	0,0	0,0
					401		5,0	0,0	0,0	0,0
					Mean =	6,8	5,0	0,0	0,0	0,0
3	Ridomil Gold		1l/ha	B	104	6,6	4,0	0,0	0,0	0,0
					207		5,0	0,0	0,0	0,0
					303		4,0	0,0	0,0	0,0
					407		4,0	0,0	0,0	0,0
					Mean =	6,6	4,3	0,0	0,0	0,0
4	Previcur Energy		3l/ha	AB	115	6,5	5,0	0,0	0,0	0,0
					204		6,0	0,0	0,0	0,0
					305		5,0	0,0	0,0	0,0
					403		5,0	0,0	0,0	0,0
					Mean =	6,5	5,3	0,0	0,0	0,0
5	AHDB 9882		1,6l/ha	B	116	6,4	5,0	0,0	0,0	0,0
					206		5,0	0,0	0,0	0,0
					311		4,0	0,0	0,0	0,0
					414		4,0	0,0	0,0	0,0
					Mean =	6,4	4,5	0,0	0,0	0,0
6	AHDB 9958		3,2l/ha	AC	110	6,2	4,0	0,0	0,0	0,0
					215		5,0	0,0	0,0	0,0
					301		5,0	0,0	0,0	0,0
					411		5,0	0,0	0,0	0,0
					Mean =	6,2	4,8	0,0	0,0	0,0
7	AHDB 9957 (drip)		1l/ha	AB	108	5,3	4,0	0,0	0,0	0,0
	AHDB 9957 (Spray)		1l/ha	DEFG	214		5,0	0,0	0,0	0,0
					302		5,0	0,0	0,0	0,0
					404		5,0	0,0	0,0	0,0
					Mean =	5,3	4,8	0,0	0,0	0,0

Pest Type									D; Disease
Pest Code									PYTHAP
Pest Scientific Name									Pythium aphanid>
Pest Name									Cottony leak of>
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date						Sep-23-2022	Sep-23-2022	Sep-23-2022	Sep-23-2022
Rating Time									
SE Group No.					45	22	23	24	40
Part Rated									
Rating Type									
Rating Unit/Min/Max					CM; -; -				
Calculation									
Sample Size					10 PLANTS	1 PLOT	1 PLOT	1 PLOT	10 PLANTS
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLANT	1 PLOT	1 PLOT	1 PLOT	1 PLANT
Number of Subsamples					10	1	1	1	10
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Oct-18-2022	Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes									
Number of Decimals					1	1	1	1	1
Trt	Treatment	Rate		Appl					
No.	Name	Rate Unit		Code	Plot	36	37	38	39	40
8	AHDB 9815 (Drip)	0,3kg/ha		AB	106	5,4	4,0	0,0	0,0	0,0
	AHDB 9815 (Spray)	0,3kg/ha		DEFG	210		5,0	0,0	0,0	0,0
					312		5,0	0,0	0,0	0,0
					416		5,0	0,0	0,0	0,0
					Mean =	5,4	4,8	0,0	0,0	0,0
9	Sonata	10l/ha		ABDEFG	101	6,6	4,0	0,0	0,0	0,0
					211		5,0	0,0	0,0	0,0
					308		4,0	0,0	0,0	0,0
					406		5,0	0,0	0,0	0,0
					Mean =	6,6	4,5	0,0	0,0	0,0
10	Lalstop K61 (Drip)	10g/1000 plants		A	109	6,0	4,0	0,0	0,0	0,0
	Lalstop K61 (Spray)	1kg/ha		B	213		5,0	0,0	0,0	0,0
					314		5,0	0,0	0,0	0,0
					412		5,0	0,0	0,0	0,0
					Mean =	6,0	4,8	0,0	0,0	0,0
11	Trianum-P	30g/1000 plants		AB	105	5,5	4,0	0,0	0,0	10,0
					202		4,0	0,0	0,0	0,0
					306		5,0	0,0	0,0	0,0
					402		5,0	0,0	0,0	20,0
					Mean =	5,5	4,5	0,0	0,0	7,5
12	AHDB 9792	40ml/100 l		C	102	5,7	4,0	0,0	0,0	0,0
					212		4,0	0,0	0,0	0,0
					313		4,0	0,0	0,0	0,0
					408		5,0	0,0	0,0	0,0
					Mean =	5,7	4,3	0,0	0,0	0,0
13	AHDB 9726	5kg/ha		AB	112	4,1	3,0	0,0	0,0	0,0
					209		5,0	0,0	0,0	20,0
					316		5,0	0,0	0,0	10,0
					410		4,0	0,0	0,0	10,0
					Mean =	4,1	4,3	0,0	0,0	10,0
14	Amylo-X	1,5kg/ha		ADF	111	4,9	4,0	0,0	0,0	10,0
					208		4,0	0,0	0,0	30,0
					315		5,0	0,0	0,0	0,0
					405		4,0	0,0	0,0	20,0
					Mean =	4,9	4,3	0,0	0,0	15,0
15	AHDB 9808	4l/ha		ADF	107	6,8	5,0	0,0	0,0	0,0
					205		5,0	0,0	0,0	0,0
					310		4,0	0,0	0,0	0,0
					409		4,0	0,0	0,0	0,0
					Mean =	6,8	4,5	0,0	0,0	0,0

Pest Type					D; Disease				
Pest Code					PYTHAP				
Pest Scientific Name					Pythium aphanid>				
Pest Name					Cottony leak of>				
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-23-2022		Sep-28-2022	Sep-28-2022	Sep-28-2022
Rating Time									
SE Group No.					40	45	22	23	24
Part Rated									
Rating Type									
Rating Unit/Min/Max						CM; -; -			
Calculation									
Sample Size					1 PLOT	10 PLANTS	1 PLOT	1 PLOT	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLANT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples					1	10	1	1	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date						Oct-18-2022	Sep-29-2022	Sep-29-2022	Sep-29-2022
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes					TIO[40]				
Number of Decimals					1	1	1	1	1
Trt	Treatment		Rate	Appl					
No.	Name	Rate	Unit	Code	Plot	41	42	43	44	45
1	UTC non-inoculated				103	0,0	8,6	5,0	0,0	0,0
					216	0,0				
					309	0,0				
					413	0,0				
					Mean =	0,0	8,6	5,0	0,0	0,0
2	UTC Inoculated				114	0,0	6,9	4,0	3,0	0,0
					203	0,0				
					307	0,0				
					401	0,0				
					Mean =	0,0	6,9	4,0	3,0	0,0
3	Ridomil Gold		1l/ha	B	104	0,0	7,1	2,0	50,0	0,0
					207	0,0				
					303	0,0				
					407	0,0				
					Mean =	0,0	7,1	2,0	50,0	0,0
4	Previcur Energy		3l/ha	AB	115	0,0	7,0	5,0	0,0	0,0
					204	0,0				
					305	0,0				
					403	0,0				
					Mean =	0,0	7,0	5,0	0,0	0,0
5	AHDB 9882		1,6l/ha	B	116	0,0	7,2	4,0	10,0	0,0
					206	0,0				
					311	0,0				
					414	0,0				
					Mean =	0,0	7,2	4,0	10,0	0,0
6	AHDB 9958		3,2l/ha	AC	110	0,0	6,6	4,0	5,0	0,0
					215	0,0				
					301	0,0				
					411	0,0				
					Mean =	0,0	6,6	4,0	5,0	0,0
7	AHDB 9957 (drip)		1l/ha	AB	108	0,0	5,7	4,0	0,0	0,0
	AHDB 9957 (Spray)		1l/ha	DEFG	214	0,0				
					302	0,0				
					404	0,0				
					Mean =	0,0	5,7	4,0	0,0	0,0

Pest Type					D; Disease				
Pest Code					PYTHAP				
Pest Scientific Name					Pythium aphanid>				
Pest Name					Cottony leak of>				
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-23-2022		Sep-28-2022	Sep-28-2022	Sep-28-2022
Rating Time									
SE Group No.					40	45	22	23	24
Part Rated									
Rating Type									
Rating Unit/Min/Max						CM; -; -			
Calculation									
Sample Size					1 PLOT	10 PLANTS	1 PLOT	1 PLOT	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLANT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples					1	10	1	1	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date						Oct-18-2022	Sep-29-2022	Sep-29-2022	Sep-29-2022
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes					TIO[40]				
Number of Decimals					1	1	1	1	1
Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	Plot	41	42	43	44	45
8	AHDB 9815 (Drip)	0,3	kg/ha	AB	106	0,0	5,6	4,0	0,0	0,0
	AHDB 9815 (Spray)	0,3	kg/ha	DEFG	210	0,0				
					312	0,0				
					416	0,0				
					Mean =	0,0	5,6	4,0	0,0	0,0
9	Sonata	10	l/ha	ABDEFG	101	0,0	6,8	4,0	0,0	0,0
					211	0,0				
					308	0,0				
					406	0,0				
					Mean =	0,0	6,8	4,0	0,0	0,0
10	Lalstop K61 (Drip)	10g/1000 plants		A	109	0,0	6,4	4,0	0,0	0,0
	Lalstop K61 (Spray)	1	kg/ha	B	213	0,0				
					314	0,0				
					412	0,0				
					Mean =	0,0	6,4	4,0	0,0	0,0
11	Trianum-P	30g/1000 plants		AB	105	10,0	5,8	4,0	0,0	0,0
					202	0,0				
					306	0,0				
					402	20,0				
					Mean =	7,5	5,8	4,0	0,0	0,0
12	AHDB 9792	40	ml/100 l	C	102	0,0	6,1	3,0	0,0	0,0
					212	0,0				
					313	0,0				
					408	0,0				
					Mean =	0,0	6,1	3,0	0,0	0,0
13	AHDB 9726	5	kg/ha	AB	112	0,0	4,3	3,0	20,0	0,0
					209	20,0				
					316	10,0				
					410	10,0				
					Mean =	10,0	4,3	3,0	20,0	0,0
14	Amylo-X	1,5	kg/ha	ADF	111	10,0	5,3	3,0	15,0	0,0
					208	30,0				
					315	0,0				
					405	20,0				
					Mean =	15,0	5,3	3,0	15,0	0,0
15	AHDB 9808	4	l/ha	ADF	107	0,0	7,2	4,0	0,0	0,0
					205	0,0				
					310	0,0				
					409	0,0				
					Mean =	0,0	7,2	4,0	0,0	0,0

Pest Type					D; Disease	D; Disease			
Pest Code					PYTHAP	PYTHAP			
Pest Scientific Name					Pythium aphanid>	Pythium aphanid>			
Pest Name					Cottony leak of>	Cottony leak of>			
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-28-2022	Sep-28-2022		Oct-4-2022	Oct-4-2022
Rating Time									
SE Group No.					40	40	45	22	23
Part Rated									
Rating Type									
Rating Unit/Min/Max							CM; -; -		
Calculation									
Sample Size					10 PLANTS	1 PLOT	10 PLANTS	1 PLOT	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLANT	1 PLOT	1 PLANT	1 PLOT	1 PLOT
Number of Subsamples					10	1	10	1	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Oct-18-2022		Oct-18-2022	Oct-18-2022	Oct-18-2022
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes						TIO[46]			
Number of Decimals					1	1	1	1	1
Trt	Treatment		Rate	Appl					
No.	Name	Rate	Unit	Code	Plot	46	47	48	49	50
1	UTC non-inoculated				103	0,0	0,0	9,9	5,0	0,0
					216	0,0	0,0			
					309	0,0	0,0		5,0	3,0
					413	0,0	0,0		5,0	0,0
					Mean =	0,0	0,0	9,9	5,0	1,0
2	UTC Inoculated				114	0,0	0,0	8,2	4,0	3,0
					203	0,0	0,0			
					307	0,0	0,0		4,0	0,0
					401	0,0	0,0		4,0	3,0
					Mean =	0,0	0,0	8,2	4,0	2,0
3	Ridomil Gold		1l/ha	B	104	0,0	0,0	8,3	2,0	50,0
					207	0,0	0,0			
					303	0,0	0,0		2,0	50,0
					407	0,0	0,0		2,0	50,0
					Mean =	0,0	0,0	8,3	2,0	50,0
4	Previcur Energy		3l/ha	AB	115	0,0	0,0	9,4	4,0	0,0
					204	0,0	0,0			
					305	0,0	0,0		4,0	10,0
					403	0,0	0,0		5,0	5,0
					Mean =	0,0	0,0	9,4	4,3	5,0
5	AHDB 9882		1,6l/ha	B	116	0,0	0,0	8,6	3,0	30,0
					206	0,0	0,0			
					311	0,0	0,0		4,0	5,0
					414	0,0	0,0		3,0	20,0
					Mean =	0,0	0,0	8,6	3,3	18,3
6	AHDB 9958		3,2l/ha	AC	110	0,0	0,0	8,4	4,0	5,0
					215	0,0	0,0			
					301	0,0	0,0		4,0	5,0
					411	0,0	0,0		4,0	8,0
					Mean =	0,0	0,0	8,4	4,0	6,0
7	AHDB 9957 (drip)		1l/ha	AB	108	0,0	0,0	7,4	4,0	0,0
	AHDB 9957 (Spray)		1l/ha	DEFG	214	0,0	0,0			
					302	0,0	0,0		4,0	0,0
					404	0,0	0,0		4,0	3,0
					Mean =	0,0	0,0	7,4	4,0	1,0

Pest Type					D; Disease	D; Disease			
Pest Code					PYTHAP	PYTHAP			
Pest Scientific Name					Pythium aphanid>	Pythium aphanid>			
Pest Name					Cottony leak of>	Cottony leak of>			
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Sep-28-2022	Sep-28-2022		Oct-4-2022	Oct-4-2022
Rating Time									
SE Group No.					40	40	45	22	23
Part Rated									
Rating Type									
Rating Unit/Min/Max							CM; -; -		
Calculation									
Sample Size					10 PLANTS	1 PLOT	10 PLANTS	1 PLOT	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLANT	1 PLOT	1 PLANT	1 PLOT	1 PLOT
Number of Subsamples					10	1	10	1	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Oct-18-2022		Oct-18-2022	Oct-18-2022	Oct-18-2022
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes						TIO[46]			
Number of Decimals					1	1	1	1	1
Trt	Treatment	Rate	Appl						
No.	Name	Rate Unit	Code	Plot	46	47	48	49	50
8	AHDB 9815 (Drip)	0,3kg/ha	AB	106	0,0	0,0	7,1	3,0	0,0
	AHDB 9815 (Spray)	0,3kg/ha	DEFG	210	0,0	0,0			
				312	0,0	0,0		5,0	8,0
				416	0,0	0,0		4,0	3,0
				Mean =	0,0	0,0	7,1	4,0	3,7
9	Sonata	10l/ha	ABDEFG	101	0,0	0,0	9,4	4,0	0,0
				211	0,0	0,0			
				308	0,0	0,0		4,0	3,0
				406	0,0	0,0		4,0	5,0
				Mean =	0,0	0,0	9,4	4,0	2,7
10	Lalstop K61 (Drip)	10g/1000 plants	A	109	0,0	0,0	7,7	4,0	0,0
	Lalstop K61 (Spray)	1kg/ha	B	213	0,0	0,0			
				314	0,0	0,0		4,0	5,0
				412	0,0	0,0		4,0	3,0
				Mean =	0,0	0,0	7,7	4,0	2,7
11	Trianum-P	30g/1000 plants	AB	105	10,0	10,0	7,1	3,0	0,0
				202	0,0	0,0			
				306	0,0	0,0		4,0	0,0
				402	20,0	20,0		4,0	3,0
				Mean =	7,5	7,5	7,1	3,7	1,0
12	AHDB 9792	40ml/100 l	C	102	0,0	0,0	7,0	4,0	0,0
				212	0,0	0,0			
				313	0,0	0,0		4,0	0,0
				408	0,0	0,0		4,0	8,0
				Mean =	0,0	0,0	7,0	4,0	2,7
13	AHDB 9726	5kg/ha	AB	112	0,0	0,0	5,3	3,0	20,0
				209	20,0	20,0			
				316	10,0	10,0		4,0	5,0
				410	10,0	10,0		2,0	3,0
				Mean =	10,0	10,0	5,3	3,0	9,3
14	Amylo-X	1,5kg/ha	ADF	111	10,0	10,0	5,5	3,0	20,0
				208	30,0	30,0			
				315	0,0	0,0		4,0	5,0
				405	20,0	20,0		3,0	20,0
				Mean =	15,0	15,0	5,5	3,3	15,0
15	AHDB 9808	4l/ha	ADF	107	0,0	0,0	8,5	4,0	0,0
				205	0,0	0,0			
				310	0,0	0,0		4,0	0,0
				409	0,0	0,0		3,0	20,0
				Mean =	0,0	0,0	8,5	3,7	6,7

Pest Type							D; Disease	D; Disease		
Pest Code							PYTHAP	PYTHAP		
Pest Scientific Name							Pythium aphanid>	Pythium aphanid>		
Pest Name							Cottony leak of>	Cottony leak of>		
Crop Type, Code						C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale						BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name						Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name						Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety						PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description										
Rating Date						Oct-4-2022	Oct-4-2022	Oct-4-2022	Oct-7-2022	Oct-7-2022
Rating Time										
SE Group No.						24	40	40	41	42
Part Rated										
Rating Type										
Rating Unit/Min/Max										
Calculation										
Sample Size						1 PLOT	10 PLANTS	1 PLOT	1 PLOT	1 PLOT
Collection Basis						1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis						1 PLOT	1 PLANT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples						1	10	1	1	1
Crop Stage Scale										
Crop Stage Majority/Min/Max										
Crop Diameter Average										
Crop Diameter Min/Max										
Crop Height Average										
Crop Height Min/Max										
Crop Density										
Crop Density Min/Max										
Pest Stage Majority/Min/Max										
Pest Diameter Average										
Pest Diameter Min/Max										
Pest Height Average										
Pest Height Min/Max										
Pest Density										
Pest Density Min/Max										
Acceptance Level										
Footnote Number										
Assessed By										
Data Entry Date						Oct-18-2022	Oct-18-2022		Oct-18-2022	Oct-18-2022
Equipment										
Rating Timing										
Days After First/Last Applic.										
Trt-Eval Interval										
Plant-Eval Interval										
ARM Action Codes								TIO[52]		
Number of Decimals						1	1	1	1	1
Trt	Treatment		Rate	Appl						
No.	Name	Rate	Unit	Code	Plot	51	52	53	54	55
1	UTC non-inoculated				103	0,0	0,0	0,0	5,0	0,0
					216		0,0	0,0		
					309	0,0	0,0	0,0	5,0	3,0
					413	0,0	0,0	0,0	5,0	0,0
					Mean =	0,0	0,0	0,0	5,0	1,0
2	UTC Inoculated				114	0,0	0,0	0,0	4,0	3,0
					203		30,0	30,0		
					307	0,0	0,0	0,0	4,0	0,0
					401	0,0	10,0	10,0	4,0	3,0
					Mean =	0,0	10,0	10,0	4,0	2,0
3	Ridomil Gold		1l/ha	B	104	0,0	0,0	0,0	2,0	50,0
					207		80,0	80,0		
					303	0,0	0,0	0,0	2,0	50,0
					407	0,0	0,0	0,0	2,0	50,0
					Mean =	0,0	20,0	20,0	2,0	50,0
4	Previcur Energy		3l/ha	AB	115	0,0	0,0	0,0	4,0	0,0
					204		10,0	10,0		
					305	0,0	0,0	0,0	4,0	10,0
					403	0,0	0,0	0,0	5,0	5,0
					Mean =	0,0	2,5	2,5	4,3	5,0
5	AHDB 9882		1,6l/ha	B	116	0,0	0,0	0,0	3,0	30,0
					206		100,0	100,0		
					311	0,0	0,0	0,0	4,0	5,0
					414	0,0	0,0	0,0	3,0	20,0
					Mean =	0,0	25,0	25,0	3,3	18,3
6	AHDB 9958		3,2l/ha	AC	110	0,0	0,0	0,0	4,0	5,0
					215		0,0	0,0		
					301	0,0	0,0	0,0	4,0	5,0
					411	0,0	0,0	0,0	4,0	8,0
					Mean =	0,0	0,0	0,0	4,0	6,0
7	AHDB 9957 (drip)		1l/ha	AB	108	0,0	0,0	0,0	4,0	0,0
	AHDB 9957 (Spray)		1l/ha	DEFG	214		10,0	10,0		
					302	0,0	0,0	0,0	4,0	0,0
					404	0,0	0,0	0,0	4,0	3,0
					Mean =	0,0	2,5	2,5	4,0	1,0

Pest Type						D; Disease	D; Disease		
Pest Code						PYTHAP	PYTHAP		
Pest Scientific Name						Pythium aphanid>	Pythium aphanid>		
Pest Name						Cottony leak of>	Cottony leak of>		
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale					BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name					Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety					PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description									
Rating Date					Oct-4-2022	Oct-4-2022	Oct-4-2022	Oct-7-2022	Oct-7-2022
Rating Time									
SE Group No.					24	40	40	41	42
Part Rated									
Rating Type									
Rating Unit/Min/Max									
Calculation									
Sample Size					1 PLOT	10 PLANTS	1 PLOT	1 PLOT	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLANT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples					1	10	1	1	1
Crop Stage Scale									
Crop Stage Majority/Min/Max									
Crop Diameter Average									
Crop Diameter Min/Max									
Crop Height Average									
Crop Height Min/Max									
Crop Density									
Crop Density Min/Max									
Pest Stage Majority/Min/Max									
Pest Diameter Average									
Pest Diameter Min/Max									
Pest Height Average									
Pest Height Min/Max									
Pest Density									
Pest Density Min/Max									
Acceptance Level									
Footnote Number									
Assessed By									
Data Entry Date					Oct-18-2022	Oct-18-2022		Oct-18-2022	Oct-18-2022
Equipment									
Rating Timing									
Days After First/Last Applic.									
Trt-Eval Interval									
Plant-Eval Interval									
ARM Action Codes							TIO[52]		
Number of Decimals					1	1	1	1	1
Trt	Treatment	Rate	Appl						
No.	Name	Rate Unit	Code	Plot	51	52	53	54	55
8	AHDB 9815 (Drip)	0,3kg/ha	AB	106	0,0	0,0	0,0	3,0	0,0
	AHDB 9815 (Spray)	0,3kg/ha	DEFG	210		20,0	20,0		
				312	0,0	0,0	0,0	5,0	8,0
				416	0,0	0,0	0,0	4,0	3,0
				Mean =	0,0	5,0	5,0	4,0	3,7
9	Sonata	10l/ha	ABDEFG	101	0,0	0,0	0,0	4,0	0,0
				211		0,0	0,0		
				308	0,0	0,0	0,0	4,0	3,0
				406	0,0	0,0	0,0	4,0	5,0
				Mean =	0,0	0,0	0,0	4,0	2,7
10	Lalstop K61 (Drip)	10g/1000 plants	A	109	0,0	0,0	0,0	4,0	0,0
	Lalstop K61 (Spray)	1kg/ha	B	213		0,0	0,0		
				314	0,0	0,0	0,0	4,0	5,0
				412	0,0	0,0	0,0	4,0	3,0
				Mean =	0,0	0,0	0,0	4,0	2,7
11	Trianum-P	30g/1000 plants	AB	105	0,0	10,0	10,0	3,0	0,0
				202		0,0	0,0		
				306	0,0	0,0	0,0	4,0	0,0
				402	0,0	20,0	20,0	4,0	3,0
				Mean =	0,0	7,5	7,5	3,7	1,0
12	AHDB 9792	40ml/100 l	C	102	0,0	0,0	0,0	4,0	0,0
				212		30,0	30,0		
				313	0,0	0,0	0,0	4,0	0,0
				408	0,0	0,0	0,0	4,0	8,0
				Mean =	0,0	7,5	7,5	4,0	2,7
13	AHDB 9726	5kg/ha	AB	112	0,0	0,0	0,0	3,0	20,0
				209		20,0	20,0		
				316	0,0	10,0	10,0	4,0	5,0
				410	0,0	10,0	10,0	2,0	3,0
				Mean =	0,0	10,0	10,0	3,0	9,3
14	Amylo-X	1,5kg/ha	ADF	111	0,0	10,0	10,0	3,0	20,0
				208		30,0	30,0		
				315	0,0	0,0	0,0	4,0	5,0
				405	0,0	20,0	20,0	3,0	20,0
				Mean =	0,0	15,0	15,0	3,3	15,0
15	AHDB 9808	4l/ha	ADF	107	0,0	0,0	0,0	4,0	0,0
				205		10,0	10,0		
				310	0,0	0,0	0,0	4,0	0,0
				409	0,0	0,0	0,0	3,0	20,0
				Mean =	0,0	2,5	2,5	3,7	6,7

Pest Type						D; Disease	D; Disease	
Pest Code						PYTHAP	PYTHAP	
Pest Scientific Name						Pythium aphanid>	Pythium aphanid>	
Pest Name						Cottony leak of>	Cottony leak of>	
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	
BBCH Scale					BVVT	BVVT	BVVT	
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	
Crop Name					Cucumber	Cucumber	Cucumber	
Crop Variety					PROLOOG	PROLOOG	PROLOOG	
Description								
Rating Date					Oct-7-2022	Oct-7-2022	Oct-7-2022	
Rating Time								
SE Group No.					43	44	44	46
Part Rated								
Rating Type								
Rating Unit/Min/Max								g; -; -
Calculation								
Sample Size					1 PLOT	10 PLANTS	1 PLOT	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLANT	1 PLOT	1 PLOT
Number of Subsamples					1	10	1	1
Crop Stage Scale								
Crop Stage Majority/Min/Max								
Crop Diameter Average								
Crop Diameter Min/Max								
Crop Height Average								
Crop Height Min/Max								
Crop Density								
Crop Density Min/Max								
Pest Stage Majority/Min/Max								
Pest Diameter Average								
Pest Diameter Min/Max								
Pest Height Average								
Pest Height Min/Max								
Pest Density								
Pest Density Min/Max								
Acceptance Level								
Footnote Number								
Assessed By								
Data Entry Date					Oct-18-2022	Oct-18-2022		Oct-18-2022
Equipment								
Rating Timing								
Days After First/Last Applic.								
Trt-Eval Interval								
Plant-Eval Interval								
ARM Action Codes							TIO[57]	
Number of Decimals					1	1	1	1
Trt	Treatment		Rate	Appl					
No.	Name	Rate	Unit	Code	Plot	56	57	58	59
1	UTC non-inoculated				103	0,0	0,0	0,0	89,0
					216		0,0	0,0	8,3
					309	0,0	0,0	0,0	114,9
					413	0,0	0,0	0,0	78,2
					Mean =	0,0	0,0	0,0	72,6
2	UTC Inoculated				114	0,0	0,0	0,0	66,6
					203		30,0	30,0	4,9
					307	0,0	0,0	0,0	82,9
					401	0,0	10,0	10,0	54,9
					Mean =	0,0	10,0	10,0	52,3
3	Ridomil Gold		1l/ha	B	104	0,0	0,0	0,0	30,4
					207		80,0	80,0	0,6
					303	0,0	0,0	0,0	48,4
					407	0,0	0,0	0,0	30,9
					Mean =	0,0	20,0	20,0	27,6
4	Previcur Energy		3l/ha	AB	115	0,0	0,0	0,0	83,4
					204		10,0	10,0	7,3
					305	0,0	0,0	0,0	75,9
					403	0,0	0,0	0,0	100,0
					Mean =	0,0	2,5	2,5	66,6
5	AHDB 9882		1,6l/ha	B	116	0,0	0,0	0,0	45,6
					206		100,0	100,0	0,4
					311	0,0	0,0	0,0	65,7
					414	0,0	0,0	0,0	52,0
					Mean =	0,0	25,0	25,0	40,9
6	AHDB 9958		3,2l/ha	AC	110	0,0	0,0	0,0	70,0
					215		0,0	0,0	6,3
					301	0,0	0,0	0,0	77,0
					411	0,0	0,0	0,0	72,8
					Mean =	0,0	0,0	0,0	56,5
7	AHDB 9957 (drip)		1l/ha	AB	108	0,0	0,0	0,0	57,4
	AHDB 9957 (Spray)		1l/ha	DEFG	214		10,0	10,0	10,1
					302	0,0	0,0	0,0	86,7
					404	0,0	0,0	0,0	75,7
					Mean =	0,0	2,5	2,5	57,5

Pest Type						D; Disease	D; Disease	
Pest Code						PYTHAP	PYTHAP	
Pest Scientific Name						Pythium aphanid>	Pythium aphanid>	
Pest Name						Cottony leak of>	Cottony leak of>	
Crop Type, Code					C; CUMSA	C; CUMSA	C; CUMSA	
BBCH Scale					BVVT	BVVT	BVVT	
Crop Scientific Name					Cucumis sativus	Cucumis sativus	Cucumis sativus	
Crop Name					Cucumber	Cucumber	Cucumber	
Crop Variety					PROLOOG	PROLOOG	PROLOOG	
Description								
Rating Date					Oct-7-2022	Oct-7-2022	Oct-7-2022	
Rating Time								
SE Group No.					43	44	44	46
Part Rated								
Rating Type								
Rating Unit/Min/Max								g; -; -
Calculation								
Sample Size					1 PLOT	10 PLANTS	1 PLOT	1 PLOT
Collection Basis					1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis					1 PLOT	1 PLANT	1 PLOT	1 PLOT
Number of Subsamples					1	10	1	1
Crop Stage Scale								
Crop Stage Majority/Min/Max								
Crop Diameter Average								
Crop Diameter Min/Max								
Crop Height Average								
Crop Height Min/Max								
Crop Density								
Crop Density Min/Max								
Pest Stage Majority/Min/Max								
Pest Diameter Average								
Pest Diameter Min/Max								
Pest Height Average								
Pest Height Min/Max								
Pest Density								
Pest Density Min/Max								
Acceptance Level								
Footnote Number								
Assessed By								
Data Entry Date					Oct-18-2022	Oct-18-2022		Oct-18-2022
Equipment								
Rating Timing								
Days After First/Last Applic.								
Trt-Eval Interval								
Plant-Eval Interval								
ARM Action Codes							TIO[57]	
Number of Decimals					1	1	1	1
Trt	Treatment	Rate		Appl					
No.	Name	Rate	Unit	Code	Plot	56	57	58	59
8	AHDB 9815 (Drip)	0,3	kg/ha	AB	106	0,0	0,0	0,0	55,0
	AHDB 9815 (Spray)	0,3	kg/ha	DEFG	210		20,0	20,0	5,7
					312	0,0	0,0	0,0	95,8
					416	0,0	0,0	0,0	62,7
					Mean =	0,0	5,0	5,0	54,8
9	Sonata	10	l/ha	ABDEFG	101	0,0	0,0	0,0	75,9
					211		0,0	0,0	8,7
					308	0,0	0,0	0,0	76,1
					406	0,0	0,0	0,0	71,3
					Mean =	0,0	0,0	0,0	58,0
10	Lalstop K61 (Drip)	10	g/1000 plants	A	109	0,0	0,0	0,0	74,4
	Lalstop K61 (Spray)	1	kg/ha	B	213		0,0	0,0	9,0
					314	0,0	0,0	0,0	74,8
					412	0,0	0,0	0,0	84,2
					Mean =	0,0	0,0	0,0	60,6
11	Trianum-P	30	g/1000 plants	AB	105	0,0	10,0	10,0	56,7
					202		0,0	0,0	9,1
					306	0,0	0,0	0,0	61,9
					402	0,0	20,0	20,0	57,6
					Mean =	0,0	7,5	7,5	46,3
12	AHDB 9792	40	ml/100 l	C	102	0,0	0,0	0,0	55,1
					212		30,0	30,0	3,5
					313	0,0	0,0	0,0	56,8
					408	0,0	0,0	0,0	64,8
					Mean =	0,0	7,5	7,5	45,0
13	AHDB 9726	5	kg/ha	AB	112	0,0	0,0	0,0	49,1
					209		20,0	20,0	3,9
					316	0,0	10,0	10,0	66,0
					410	0,0	10,0	10,0	46,1
					Mean =	0,0	10,0	10,0	41,2
14	Amylo-X	1,5	kg/ha	ADF	111	0,0	10,0	10,0	44,4
					208		30,0	30,0	4,4
					315	0,0	0,0	0,0	63,2
					405	0,0	20,0	20,0	61,1
					Mean =	0,0	15,0	15,0	43,3
15	AHDB 9808	4	l/ha	ADF	107	0,0	0,0	0,0	59,8
					205		10,0	10,0	7,7
					310	0,0	0,0	0,0	73,3
					409	0,0	0,0	0,0	65,2
					Mean =	0,0	2,5	2,5	51,5

Botany BV

Trial ID:6472 trial 15 trt AHDB Codes Cooperator Trial ID:
Protocol ID: Location: Trial Year:2022
Project ID: Project ID 2: Project ID 3:
Study Director: Sponsor Contact:
Investigator (Creator):Erik Peters

ARM Action Codes
TIO[4] = % Incidence (&0 = none)[4]
TIO[9] = % Incidence (&0 = none)[9]
TIO[14] = % Incidence (&0 = none)[14]
TIO[19] = % Incidence (&0 = none)[19]
TIO[24] = % Incidence (&0 = none)[24]
TIO[29] = % Incidence (&0 = none)[29]
TIO[34] = % Incidence (&0 = none)[34]
TIO[40] = % Incidence (&0 = none)[40]
TIO[46] = % Incidence (&0 = none)[46]
TIO[52] = % Incidence (&0 = none)[52]
TIO[57] = % Incidence (&0 = none)[57]

Pest Type						D; Disease	D; Disease				
Pest Code						PYTHAP	PYTHAP				
Pest Scientific Name						Pythium aphanid>	Pythium aphanid>				
Pest Name						Cottony leak of>	Cottony leak of>				
Crop Type, Code		C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA				
BBCH Scale		BVVT	BVVT	BVVT	BVVT	BVVT	BVVT				
Crop Scientific Name		Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus				
Crop Name		Cucumber	Cucumber	Cucumber	Cucumber	Cucumber	Cucumber				
Crop Variety		PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG				
Description											
Rating Date		Sep-5-2022	Sep-5-2022	Sep-5-2022	Sep-5-2022	Sep-5-2022	Sep-8-2022				
Rating Time											
SE Group No.		1	2	3	40	40	4				
Part Rated											
Rating Type											
Rating Unit/Min/Max											
Calculation											
Sample Size		1 PLOT	1 PLOT	1 PLOT	10 PLANTS	1 PLOT	1 PLOT				
Collection Basis		1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT				
Reporting Basis		1 PLOT	1 PLOT	1 PLOT	1 PLANT	1 PLOT	1 PLOT				
Number of Subsamples		1	1	1	10	1	1				
Crop Stage Scale		BBCH									
Crop Stage Majority/Min/Max											
Crop Diameter Average											
Crop Diameter Min/Max											
Crop Height Average											
Crop Height Min/Max											
Crop Density											
Crop Density Min/Max											
Pest Stage Majority/Min/Max											
Pest Diameter Average											
Pest Diameter Min/Max											
Pest Height Average											
Pest Height Min/Max											
Pest Density											
Pest Density Min/Max											
Acceptance Level											
Footnote Number											
Assessed By		BOTANY									
Data Entry Date		Sep-23-2022	Sep-23-2022	Sep-23-2022	Oct-18-2022		Sep-23-2022				
Equipment											
Rating Timing											
Days After First/Last Applic.											
Trt-Eval Interval											
Plant-Eval Interval											
ARM Action Codes						TIO[4]					
Number of Decimals		1	1	1	1	1	1				

Trt	Treatment	Rate	Rate	Appl	1		2		3		4		5		6	
No.	Name	Rate	Unit	Code		StDev		StDev		StDev		StDev		StDev		StDev
1	UTC non-inoculated				5,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0
2	UTC Inoculated				5,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0
3	Ridomil Gold	1	l/ha	B	5,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0
4	Previcur Energy	3	l/ha	AB	5,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0
5	AHDB 9882	1,6	l/ha	B	5,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0
6	AHDB 9958	3,2	l/ha	AC	5,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0
7	AHDB 9957 (drip)	1	l/ha	AB	5,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0
	AHDB 9957 (Spray)	1	l/ha	DEFG												
8	AHDB 9815 (Drip)	0,3	kg/ha	AB	5,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0
	AHDB 9815 (Spray)	0,3	kg/ha	DEFG												
9	Sonata	10	l/ha	ABDEFG	5,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0
10	Lalstop K61 (Drip)	10	g/1000 plants	A	5,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0
	Lalstop K61 (Spray)	1	kg/ha	B												
11	Trianum-P	30	g/1000 plants	AB	5,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0
12	AHDB 9792	40	ml/100 l	C	5,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0
13	AHDB 9726	5	kg/ha	AB	5,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0
14	Amylo-X	1,5	kg/ha	ADF	5,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0

Pest Type														D; Disease		D; Disease						
Pest Code														PYTHAP		PYTHAP						
Pest Scientific Name														Pythium aphanid>		Pythium aphanid>						
Pest Name														Cottony leak of>		Cottony leak of>						
Crop Type, Code						C; CUMSA			C; CUMSA			C; CUMSA		C; CUMSA		C; CUMSA			C; CUMSA			
BBCH Scale						BVVT			BVVT			BVVT		BVVT		BVVT			BVVT			
Crop Scientific Name						Cucumis sativus			Cucumis sativus			Cucumis sativus		Cucumis sativus		Cucumis sativus			Cucumis sativus			
Crop Name						Cucumber			Cucumber			Cucumber		Cucumber		Cucumber			Cucumber			
Crop Variety						PROLOOG			PROLOOG			PROLOOG		PROLOOG		PROLOOG			PROLOOG			
Description																						
Rating Date						Sep-5-2022			Sep-5-2022			Sep-5-2022		Sep-5-2022		Sep-5-2022			Sep-8-2022			
Rating Time																						
SE Group No.						1			2			3		40		40			4			
Part Rated																						
Rating Type																						
Rating Unit/Min/Max																						
Calculation																						
Sample Size						1 PLOT			1 PLOT			1 PLOT		10 PLANTS		1 PLOT			1 PLOT			
Collection Basis						1 PLOT			1 PLOT			1 PLOT		1 PLOT		1 PLOT			1 PLOT			
Reporting Basis						1 PLOT			1 PLOT			1 PLOT		1 PLANT		1 PLOT			1 PLOT			
Number of Subsamples						1			1			1		10		1			1			
Crop Stage Scale						BBCH																
Crop Stage Majority/Min/Max																						
Crop Diameter Average																						
Crop Diameter Min/Max																						
Crop Height Average																						
Crop Height Min/Max																						
Crop Density																						
Crop Density Min/Max																						
Pest Stage Majority/Min/Max																						
Pest Diameter Average																						
Pest Diameter Min/Max																						
Pest Height Average																						
Pest Height Min/Max																						
Pest Density																						
Pest Density Min/Max																						
Acceptance Level																						
Footnote Number																						
Assessed By						BOTANY																
Data Entry Date						Sep-23-2022			Sep-23-2022			Sep-23-2022		Oct-18-2022					Sep-23-2022			
Equipment																						
Rating Timing																						
Days After First/Last Applic.																						
Trt-Eval Interval																						
Plant-Eval Interval																						
ARM Action Codes																			TIO[4]			
Number of Decimals						1			1			1		1		1			1			
Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	1			2			3			4			5			6		
						StDev			StDev			StDev			StDev			StDev			StDev	
15	AHDB 9808	4	l/ha	ADF	5,0-	0,0		0,0-	0,0		0,0-	0,0		0,0-	0,0		0,0-	0,0		5,0-	0,0	
Levene's F					0,00*			0,00*			0,00*			0,00*			0,00*			0,00*		
Skewness					.			.			.			.			.			.		
Kurtosis					.			.			.			.			.			.		
Replicate F					0,000			0,000			0,000			0,000			0,000			0,000		
Replicate Prob(F)					1,0000			1,0000			1,0000			1,0000			1,0000			1,0000		
Treatment F					0,000			0,000			0,000			0,000			0,000			0,000		
Treatment Prob(F)					1,0000			1,0000			1,0000			1,0000			1,0000			1,0000		

Pest Type												D; Disease		D; Disease										
Pest Code												PYTHAP		PYTHAP										
Pest Scientific Name												Pythium aphanid>		Pythium aphanid>										
Pest Name												Cottony leak of>		Cottony leak of>										
Crop Type, Code												C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		
BBCH Scale												BVVT		BVVT		BVVT		BVVT		BVVT		BVVT		
Crop Scientific Name												Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		
Crop Name												Cucumber		Cucumber		Cucumber		Cucumber		Cucumber		Cucumber		
Crop Variety												PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG		
Description																								
Rating Date												Sep-8-2022		Sep-8-2022		Sep-8-2022		Sep-8-2022		Sep-9-2022		Sep-9-2022		
Rating Time																								
SE Group No.												5		6		40		40		7		8		
Part Rated																								
Rating Type																								
Rating Unit/Min/Max																								
Calculation																								
Sample Size												1 PLOT		1 PLOT		10 PLANTS		1 PLOT		1 PLOT		1 PLOT		
Collection Basis												1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Reporting Basis												1 PLOT		1 PLOT		1 PLANT		1 PLOT		1 PLOT		1 PLOT		
Number of Subsamples												1		1		10		1		1		1		
Crop Stage Scale																								
Crop Stage Majority/Min/Max																								
Crop Diameter Average																								
Crop Diameter Min/Max																								
Crop Height Average																								
Crop Height Min/Max																								
Crop Density																								
Crop Density Min/Max																								
Pest Stage Majority/Min/Max																								
Pest Diameter Average																								
Pest Diameter Min/Max																								
Pest Height Average																								
Pest Height Min/Max																								
Pest Density																								
Pest Density Min/Max																								
Acceptance Level																								
Footnote Number																								
Assessed By																								
Data Entry Date												Sep-23-2022		Sep-23-2022		Oct-18-2022				Sep-23-2022		Sep-23-2022		
Equipment																								
Rating Timing																								
Days After First/Last Applic.																								
Trt-Eval Interval																								
Plant-Eval Interval																								
ARM Action Codes																		TIO[9]						
Number of Decimals												1		1		1		1		1		1		
Trt	Treatment		Rate		Appl	7		8		9		10		11		12								
No.	Name	Rate	Unit		Code		StDev		StDev		StDev		StDev		StDev		StDev							
1	UTC non-inoculated					0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0							
2	UTC Inoculated					0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0							
3	Ridomil Gold		1l/ha		B	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0							
4	Previcur Energy		3l/ha		AB	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0							
5	AHDB 9882		1,6l/ha		B	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0							
6	AHDB 9958		3,2l/ha		AC	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0							
7	AHDB 9957 (drip)		1l/ha		AB	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0							
	AHDB 9957 (Spray)		1l/ha		DEFG																			
8	AHDB 9815 (Drip)		0,3kg/ha		AB	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0							
	AHDB 9815 (Spray)		0,3kg/ha		DEFG																			
9	Sonata		10l/ha		ABDEFG	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0							
10	Lalstop K61 (Drip)		10g/1000 plants		A	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0							
	Lalstop K61 (Spray)		1kg/ha		B																			
11	Trianum-P		30g/1000 plants		AB	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0							
12	AHDB 9792		40ml/100 l		C	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0							
13	AHDB 9726		5kg/ha		AB	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0							
14	Amylo-X		1,5kg/ha		ADF	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0							

Pest Type						D; Disease		D; Disease				
Pest Code						PYTHAP		PYTHAP				
Pest Scientific Name						Pythium aphanid>		Pythium aphanid>				
Pest Name						Cottony leak of>		Cottony leak of>				
Crop Type, Code				C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA
BBCH Scale				BVVT		BVVT		BVVT		BVVT		BVVT
Crop Scientific Name				Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus
Crop Name				Cucumber		Cucumber		Cucumber		Cucumber		Cucumber
Crop Variety				PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG
Description												
Rating Date				Sep-8-2022		Sep-8-2022		Sep-8-2022		Sep-9-2022		Sep-9-2022
Rating Time												
SE Group No.				5		6		40		7		8
Part Rated												
Rating Type												
Rating Unit/Min/Max												
Calculation												
Sample Size				1 PLOT		1 PLOT		10 PLANTS		1 PLOT		1 PLOT
Collection Basis				1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT
Reporting Basis				1 PLOT		1 PLOT		1 PLANT		1 PLOT		1 PLOT
Number of Subsamples				1		1		10		1		1
Crop Stage Scale												
Crop Stage Majority/Min/Max												
Crop Diameter Average												
Crop Diameter Min/Max												
Crop Height Average												
Crop Height Min/Max												
Crop Density												
Crop Density Min/Max												
Pest Stage Majority/Min/Max												
Pest Diameter Average												
Pest Diameter Min/Max												
Pest Height Average												
Pest Height Min/Max												
Pest Density												
Pest Density Min/Max												
Acceptance Level												
Footnote Number												
Assessed By												
Data Entry Date				Sep-23-2022		Sep-23-2022		Oct-18-2022		Sep-23-2022		Sep-23-2022
Equipment												
Rating Timing												
Days After First/Last Applic.												
Trt-Eval Interval												
Plant-Eval Interval												
ARM Action Codes									TIO[9]			
Number of Decimals				1		1		1	1	1		1
Trt Treatment		Rate	Appl	7		8		9	10	11		12
No. Name	Rate	Unit	Code		StDev		StDev		StDev		StDev		StDev		StDev
15 AHDB 9808	4	l/ha	ADF	0,0-	0,0	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0
Levene's F				0,00*		0,00*		0,00*		0,00*		0,00*		0,00*	
Skewness				.		.		.		.		.		.	
Kurtosis				.		.		.		.		.		.	
Replicate F				0,000		0,000		0,000		0,000		0,000		0,000	
Replicate Prob(F)				1,0000		1,0000		1,0000		1,0000		1,0000		1,0000	
Treatment F				0,000		0,000		0,000		0,000		0,000		0,000	
Treatment Prob(F)				1,0000		1,0000		1,0000		1,0000		1,0000		1,0000	

	13	14	15	16	17	18
Pest Type		D; Disease	D; Disease			
Pest Code		PYTHAP	PYTHAP			
Pest Scientific Name		Pythium aphanid>	Pythium aphanid>			
Pest Name		Cottony leak of>	Cottony leak of>			
Crop Type, Code	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name	Cucumber	Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety	PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description						
Rating Date	Sep-9-2022	Sep-9-2022	Sep-9-2022	Sep-12-2022	Sep-12-2022	Sep-12-2022
Rating Time						
SE Group No.	9	40	40	10	11	12
Part Rated						
Rating Type						
Rating Unit/Min/Max						
Calculation						
Sample Size	1 PLOT	10 PLANTS	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLOT	1 PLANT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	1	10	1	1	1	1
Crop Stage Scale						
Crop Stage Majority/Min/Max						
Crop Diameter Average						
Crop Diameter Min/Max						
Crop Height Average						
Crop Height Min/Max						
Crop Density						
Crop Density Min/Max						
Pest Stage Majority/Min/Max						
Pest Diameter Average						
Pest Diameter Min/Max						
Pest Height Average						
Pest Height Min/Max						
Pest Density						
Pest Density Min/Max						
Acceptance Level						
Footnote Number						
Assessed By						
Data Entry Date	Sep-23-2022	Oct-18-2022		Sep-23-2022	Sep-23-2022	Sep-23-2022
Equipment						
Rating Timing						
Days After First/Last Applic.						
Trt-Eval Interval						
Plant-Eval Interval						
ARM Action Codes			TIO[14]			
Number of Decimals	1	1	1	1	1	1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	13	StDev	14	StDev	15	StDev	16	StDev	17	StDev	18	StDev
1	UTC non-inoculated				0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0
2	UTC Inoculated				0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0
3	Ridomil Gold		1l/ha	B	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0
4	Previcur Energy		3l/ha	AB	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0
5	AHDB 9882		1,6l/ha	B	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0
6	AHDB 9958		3,2l/ha	AC	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0
7	AHDB 9957 (drip)		1l/ha	AB	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0
	AHDB 9957 (Spray)		1l/ha	DEFG												
8	AHDB 9815 (Drip)		0,3kg/ha	AB	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0
	AHDB 9815 (Spray)		0,3kg/ha	DEFG												
9	Sonata		10l/ha	ABDEFG	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0
10	Lalstop K61 (Drip)		10g/1000 plants	A	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0
	Lalstop K61 (Spray)		1kg/ha	B												
11	Trianum-P		30g/1000 plants	AB	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0
12	AHDB 9792		40ml/100 l	C	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0
13	AHDB 9726		5kg/ha	AB	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0
14	Amylo-X		1,5kg/ha	ADF	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0

Pest Type						D; Disease		D; Disease							
Pest Code						PYTHAP		PYTHAP							
Pest Scientific Name						Pythium aphanid>		Pythium aphanid>							
Pest Name						Cottony leak of>		Cottony leak of>							
Crop Type, Code				C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA	
BBCH Scale				BVVT		BVVT		BVVT		BVVT		BVVT		BVVT	
Crop Scientific Name				Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus	
Crop Name				Cucumber		Cucumber		Cucumber		Cucumber		Cucumber		Cucumber	
Crop Variety				PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG	
Description															
Rating Date				Sep-9-2022		Sep-9-2022		Sep-9-2022		Sep-12-2022		Sep-12-2022		Sep-12-2022	
Rating Time															
SE Group No.				9		40		40		10		11		12	
Part Rated															
Rating Type															
Rating Unit/Min/Max															
Calculation															
Sample Size				1 PLOT		10 PLANTS		1 PLOT		1 PLOT		1 PLOT		1 PLOT	
Collection Basis				1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT	
Reporting Basis				1 PLOT		1 PLANT		1 PLOT		1 PLOT		1 PLOT		1 PLOT	
Number of Subsamples				1		10		1		1		1		1	
Crop Stage Scale															
Crop Stage Majority/Min/Max															
Crop Diameter Average															
Crop Diameter Min/Max															
Crop Height Average															
Crop Height Min/Max															
Crop Density															
Crop Density Min/Max															
Pest Stage Majority/Min/Max															
Pest Diameter Average															
Pest Diameter Min/Max															
Pest Height Average															
Pest Height Min/Max															
Pest Density															
Pest Density Min/Max															
Acceptance Level															
Footnote Number															
Assessed By															
Data Entry Date				Sep-23-2022		Oct-18-2022				Sep-23-2022		Sep-23-2022		Sep-23-2022	
Equipment															
Rating Timing															
Days After First/Last Applic.															
Trt-Eval Interval															
Plant-Eval Interval															
ARM Action Codes								TIO[14]							
Number of Decimals				1		1		1		1		1		1	
Trt Treatment		Rate	Appl	13		14		15		16		17		18	
No. Name	Rate	Unit	Code		StDev		StDev		StDev		StDev		StDev		StDev
15 AHDB 9808		4l/ha	ADF	0,0-	0,0	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0
Levene's F				0,00*		0,00*		0,00*		0,00*		0,00*		0,00*	
Skewness				.		.		.		.		.		.	
Kurtosis				.		.		.		.		.		.	
Replicate F				0,000		0,000		0,000		0,000		0,000		0,000	
Replicate Prob(F)				1,0000		1,0000		1,0000		1,0000		1,0000		1,0000	
Treatment F				0,000		0,000		0,000		0,000		0,000		0,000	
Treatment Prob(F)				1,0000		1,0000		1,0000		1,0000		1,0000		1,0000	

Pest Type				D; Disease		D; Disease									
Pest Code				PYTHAP		PYTHAP									
Pest Scientific Name				Pythium aphanid>		Pythium aphanid>									
Pest Name				Cottony leak of>		Cottony leak of>									
Crop Type, Code				C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA			
BBCH Scale				BVVT		BVVT		BVVT		BVVT		BVVT			
Crop Scientific Name				Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus			
Crop Name				Cucumber		Cucumber		Cucumber		Cucumber		Cucumber			
Crop Variety				PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG			
Description															
Rating Date				Sep-12-2022		Sep-12-2022		Sep-16-2022		Sep-16-2022		Sep-16-2022			
Rating Time															
SE Group No.				40		40		13		14		15			
Part Rated															
Rating Type															
Rating Unit/Min/Max															
Calculation															
Sample Size				10 PLANTS		1 PLOT		1 PLOT		1 PLOT		1 PLOT			
Collection Basis				1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT			
Reporting Basis				1 PLANT		1 PLOT		1 PLOT		1 PLOT		1 PLOT			
Number of Subsamples				10		1		1		1		1			
Crop Stage Scale															
Crop Stage Majority/Min/Max															
Crop Diameter Average															
Crop Diameter Min/Max															
Crop Height Average															
Crop Height Min/Max															
Crop Density															
Crop Density Min/Max															
Pest Stage Majority/Min/Max															
Pest Diameter Average															
Pest Diameter Min/Max															
Pest Height Average															
Pest Height Min/Max															
Pest Density															
Pest Density Min/Max															
Acceptance Level															
Footnote Number															
Assessed By															
Data Entry Date				Oct-18-2022				Sep-23-2022		Sep-23-2022		Sep-23-2022			
Equipment															
Rating Timing															
Days After First/Last Applic.															
Trt-Eval Interval															
Plant-Eval Interval															
ARM Action Codes						TIO[19]									
Number of Decimals				1		1		1		1		1			
Trt	Treatment	Rate	Appl	19		20		21		22		23			
No.	Name	Rate Unit	Code		StDev		StDev		StDev		StDev		StDev		
1	UTC non-inoculated			0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0		
2	UTC Inoculated			0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0		
3	Ridomil Gold	1l/ha	B	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0		
4	Previcur Energy	3l/ha	AB	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0		
5	AHDB 9882	1,6l/ha	B	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0		
6	AHDB 9958	3,2l/ha	AC	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0		
7	AHDB 9957 (drip)	1l/ha	AB	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0		
	AHDB 9957 (Spray)	1l/ha	DEFG												
8	AHDB 9815 (Drip)	0,3kg/ha	AB	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0		
	AHDB 9815 (Spray)	0,3kg/ha	DEFG												
9	Sonata	10l/ha	ABDEFG	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0		
10	Lalstop K61 (Drip)	10g/1000 plants	A	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0		
	Lalstop K61 (Spray)	1kg/ha	B												
11	Trianum-P	30g/1000 plants	AB	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0		
12	AHDB 9792	40ml/100 l	C	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0		
13	AHDB 9726	5kg/ha	AB	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0		
14	Amylo-X	1,5kg/ha	ADF	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0		

Pest Type					D; Disease		D; Disease							
Pest Code					PYTHAP		PYTHAP							
Pest Scientific Name					Pythium aphanid>		Pythium aphanid>							
Pest Name					Cottony leak of>		Cottony leak of>							
Crop Type, Code					C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA	
BBCH Scale					BVVT		BVVT		BVVT		BVVT		BVVT	
Crop Scientific Name					Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus	
Crop Name					Cucumber		Cucumber		Cucumber		Cucumber		Cucumber	
Crop Variety					PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG	
Description														
Rating Date					Sep-12-2022		Sep-12-2022		Sep-16-2022		Sep-16-2022		Sep-16-2022	
Rating Time														
SE Group No.					40		40		13		14		15	
Part Rated														
Rating Type														
Rating Unit/Min/Max														
Calculation														
Sample Size					10 PLANTS		1 PLOT		1 PLOT		1 PLOT		1 PLOT	
Collection Basis					1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT	
Reporting Basis					1 PLANT		1 PLOT		1 PLOT		1 PLOT		1 PLOT	
Number of Subsamples					10		1		1		1		1	
Crop Stage Scale														
Crop Stage Majority/Min/Max														
Crop Diameter Average														
Crop Diameter Min/Max														
Crop Height Average														
Crop Height Min/Max														
Crop Density														
Crop Density Min/Max														
Pest Stage Majority/Min/Max														
Pest Diameter Average														
Pest Diameter Min/Max														
Pest Height Average														
Pest Height Min/Max														
Pest Density														
Pest Density Min/Max														
Acceptance Level														
Footnote Number														
Assessed By														
Data Entry Date					Oct-18-2022				Sep-23-2022		Sep-23-2022		Sep-23-2022	
Equipment														
Rating Timing														
Days After First/Last Applic.														
Trt-Eval Interval														
Plant-Eval Interval														
ARM Action Codes							TIO[19]							
Number of Decimals					1		1		1		1		1	
Trt No.	Treatment Name	Rate	Unit	Appl Code	19	StDev	20	StDev	21	StDev	22	StDev	23	StDev
15	AHDB 9808	4	l/ha	ADF	0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0
Levene's F					0,00*		0,00*		0,00*		0,00*		0,00*	
Skewness					.		.		.		.		.	
Kurtosis					.		.		.		.		.	
Replicate F					0,000		0,000		0,000		0,000		0,000	
Replicate Prob(F)					1,0000		1,0000		1,0000		1,0000		1,0000	
Treatment F					0,000		0,000		0,000		0,000		0,000	
Treatment Prob(F)					1,0000		1,0000		1,0000		1,0000		1,0000	

Pest Type				D; Disease		D; Disease								
Pest Code				PYTHAP		PYTHAP								
Pest Scientific Name				Pythium aphanid>		Pythium aphanid>								
Pest Name				Cottony leak of>		Cottony leak of>								
Crop Type, Code				C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		
BBCH Scale				BVVT		BVVT		BVVT		BVVT		BVVT		
Crop Scientific Name				Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		
Crop Name				Cucumber		Cucumber		Cucumber		Cucumber		Cucumber		
Crop Variety				PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG		
Description														
Rating Date				Sep-16-2022		Sep-16-2022		Sep-19-2022		Sep-19-2022		Sep-19-2022		
Rating Time														
SE Group No.				40		40		16		17		18		
Part Rated														
Rating Type														
Rating Unit/Min/Max														
Calculation														
Sample Size				10 PLANTS		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Collection Basis				1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Reporting Basis				1 PLANT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Number of Subsamples				10		1		1		1		1		
Crop Stage Scale														
Crop Stage Majority/Min/Max														
Crop Diameter Average														
Crop Diameter Min/Max														
Crop Height Average														
Crop Height Min/Max														
Crop Density														
Crop Density Min/Max														
Pest Stage Majority/Min/Max														
Pest Diameter Average														
Pest Diameter Min/Max														
Pest Height Average														
Pest Height Min/Max														
Pest Density														
Pest Density Min/Max														
Acceptance Level														
Footnote Number														
Assessed By														
Data Entry Date				Oct-18-2022				Sep-23-2022		Sep-23-2022		Sep-23-2022		
Equipment														
Rating Timing														
Days After First/Last Applic.														
Trt-Eval Interval														
Plant-Eval Interval														
ARM Action Codes						TIO[24]								
Number of Decimals				1		1		1		1		1		
Trt	Treatment	Rate	Appl	24		25		26		27		28		
No.	Name	Rate Unit	Code		StDev		StDev		StDev		StDev		StDev	
1	UTC non-inoculated			0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0	
2	UTC Inoculated			0,0-	0,0	0,0-	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0	
3	Ridomil Gold	1l/ha	B	0,0-	0,0	0,0-	0,0	4,3-	0,5	0,0-	0,0	0,0-	0,0	
4	Previcur Energy	3l/ha	AB	0,0-	0,0	0,0-	0,0	5,3-	0,5	0,0-	0,0	0,0-	0,0	
5	AHDB 9882	1,6l/ha	B	0,0-	0,0	0,0-	0,0	4,5-	0,6	0,0-	0,0	0,0-	0,0	
6	AHDB 9958	3,2l/ha	AC	0,0-	0,0	0,0-	0,0	4,8-	0,5	0,0-	0,0	0,0-	0,0	
7	AHDB 9957 (drip)	1l/ha	AB	0,0-	0,0	0,0-	0,0	4,8-	0,5	0,0-	0,0	0,0-	0,0	
	AHDB 9957 (Spray)	1l/ha	DEFG											
8	AHDB 9815 (Drip)	0,3kg/ha	AB	0,0-	0,0	0,0-	0,0	4,8-	0,5	0,0-	0,0	0,0-	0,0	
	AHDB 9815 (Spray)	0,3kg/ha	DEFG											
9	Sonata	10l/ha	ABDEFG	0,0-	0,0	0,0-	0,0	4,5-	0,6	0,0-	0,0	0,0-	0,0	
10	Lalstop K61 (Drip)	10g/1000 plants	A	0,0-	0,0	0,0-	0,0	4,8-	0,5	0,0-	0,0	0,0-	0,0	
	Lalstop K61 (Spray)	1kg/ha	B											
11	Trianum-P	30g/1000 plants	AB	0,0-	0,0	0,0-	0,0	4,5-	0,6	0,0-	0,0	0,0-	0,0	
12	AHDB 9792	40ml/100 l	C	0,0-	0,0	0,0-	0,0	4,3-	0,5	0,0-	0,0	0,0-	0,0	
13	AHDB 9726	5kg/ha	AB	0,0-	0,0	0,0-	0,0	4,3-	1,0	0,0-	0,0	0,0-	0,0	
14	Amylo-X	1,5kg/ha	ADF	0,0-	0,0	0,0-	0,0	4,3-	0,5	0,0-	0,0	0,0-	0,0	

Pest Type				D; Disease		D; Disease								
Pest Code				PYTHAP		PYTHAP								
Pest Scientific Name				Pythium aphanid>		Pythium aphanid>								
Pest Name				Cottony leak of>		Cottony leak of>								
Crop Type, Code				C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		
BBCH Scale				BVVT		BVVT		BVVT		BVVT		BVVT		
Crop Scientific Name				Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		
Crop Name				Cucumber		Cucumber		Cucumber		Cucumber		Cucumber		
Crop Variety				PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG		
Description														
Rating Date				Sep-16-2022		Sep-16-2022		Sep-19-2022		Sep-19-2022		Sep-19-2022		
Rating Time														
SE Group No.				40		40		16		17		18		
Part Rated														
Rating Type														
Rating Unit/Min/Max														
Calculation														
Sample Size				10 PLANTS		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Collection Basis				1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Reporting Basis				1 PLANT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Number of Subsamples				10		1		1		1		1		
Crop Stage Scale														
Crop Stage Majority/Min/Max														
Crop Diameter Average														
Crop Diameter Min/Max														
Crop Height Average														
Crop Height Min/Max														
Crop Density														
Crop Density Min/Max														
Pest Stage Majority/Min/Max														
Pest Diameter Average														
Pest Diameter Min/Max														
Pest Height Average														
Pest Height Min/Max														
Pest Density														
Pest Density Min/Max														
Acceptance Level														
Footnote Number														
Assessed By														
Data Entry Date				Oct-18-2022				Sep-23-2022		Sep-23-2022		Sep-23-2022		
Equipment														
Rating Timing														
Days After First/Last Applic.														
Trt-Eval Interval														
Plant-Eval Interval														
ARM Action Codes						TIO[24]								
Number of Decimals				1		1		1		1		1		
Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	24	StDev	25	StDev	26	StDev	27	StDev	28	StDev
15	AHDB 9808	4	l/ha	ADF	0,0-	0,0	0,0-	0,0	4,5-	0,6	0,0-	0,0	0,0-	0,0
Levene's F					0,00*		0,00*		1,063		0,00*		0,00*	
Skewness					.		.		-0,4826		.		.	
Kurtosis					.		.		-0,3038		.		.	
Replicate F					0,000		0,000		4,030		0,000		0,000	
Replicate Prob(F)					1,0000		1,0000		0,0132		1,0000		1,0000	
Treatment F					0,000		0,000		1,646		0,000		0,000	
Treatment Prob(F)					1,0000		1,0000		0,1060		1,0000		1,0000	

Pest Type				D; Disease		D; Disease								
Pest Code				PYTHAP		PYTHAP								
Pest Scientific Name				Pythium aphanid>		Pythium aphanid>								
Pest Name				Cottony leak of>		Cottony leak of>								
Crop Type, Code				C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		
BBCH Scale				BVVT		BVVT		BVVT		BVVT		BVVT		
Crop Scientific Name				Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		
Crop Name				Cucumber		Cucumber		Cucumber		Cucumber		Cucumber		
Crop Variety				PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG		
Description														
Rating Date				Sep-19-2022		Sep-19-2022		Sep-21-2022		Sep-21-2022		Sep-21-2022		
Rating Time														
SE Group No.				40		40		19		20		21		
Part Rated														
Rating Type														
Rating Unit/Min/Max														
Calculation														
Sample Size				10 PLANTS		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Collection Basis				1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Reporting Basis				1 PLANT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Number of Subsamples				10		1		1		1		1		
Crop Stage Scale														
Crop Stage Majority/Min/Max														
Crop Diameter Average														
Crop Diameter Min/Max														
Crop Height Average														
Crop Height Min/Max														
Crop Density														
Crop Density Min/Max														
Pest Stage Majority/Min/Max														
Pest Diameter Average														
Pest Diameter Min/Max														
Pest Height Average														
Pest Height Min/Max														
Pest Density														
Pest Density Min/Max														
Acceptance Level														
Footnote Number														
Assessed By														
Data Entry Date				Oct-18-2022				Sep-23-2022		Sep-23-2022		Sep-23-2022		
Equipment														
Rating Timing														
Days After First/Last Applic.														
Trt-Eval Interval														
Plant-Eval Interval														
ARM Action Codes						TIO[29]								
Number of Decimals				1		1		1		1		1		
Trt	Treatment	Rate	Appl	29		30		31		32		33		
No.	Name	Rate Unit	Code		StDev		StDev		StDev		StDev		StDev	
1	UTC non-inoculated			0,0b	0,0	0,0b	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0	
2	UTC Inoculated			0,0b	0,0	0,0b	0,0	5,0-	0,0	0,0-	0,0	0,0-	0,0	
3	Ridomil Gold	1l/ha	B	0,0b	0,0	0,0b	0,0	4,3-	0,5	0,0-	0,0	0,0-	0,0	
4	Previcur Energy	3l/ha	AB	0,0b	0,0	0,0b	0,0	5,3-	0,5	0,0-	0,0	0,0-	0,0	
5	AHDB 9882	1,6l/ha	B	0,0b	0,0	0,0b	0,0	4,5-	0,6	0,0-	0,0	0,0-	0,0	
6	AHDB 9958	3,2l/ha	AC	0,0b	0,0	0,0b	0,0	4,8-	0,5	0,0-	0,0	0,0-	0,0	
7	AHDB 9957 (drip)	1l/ha	AB	0,0b	0,0	0,0b	0,0	4,8-	0,5	0,0-	0,0	0,0-	0,0	
	AHDB 9957 (Spray)	1l/ha	DEFG											
8	AHDB 9815 (Drip)	0,3kg/ha	AB	0,0b	0,0	0,0b	0,0	4,8-	0,5	0,0-	0,0	0,0-	0,0	
	AHDB 9815 (Spray)	0,3kg/ha	DEFG											
9	Sonata	10l/ha	ABDEFG	0,0b	0,0	0,0b	0,0	4,5-	0,6	0,0-	0,0	0,0-	0,0	
10	Lalstop K61 (Drip)	10g/1000 plants	A	0,0b	0,0	0,0b	0,0	4,8-	0,5	0,0-	0,0	0,0-	0,0	
	Lalstop K61 (Spray)	1kg/ha	B											
11	Trianum-P	30g/1000 plants	AB	7,5ab	26,7	7,5ab	9,6	4,5-	0,6	0,0-	0,0	0,0-	0,0	
12	AHDB 9792	40ml/100 l	C	0,0b	0,0	0,0b	0,0	4,3-	0,5	0,0-	0,0	0,0-	0,0	
13	AHDB 9726	5kg/ha	AB	10,0ab	30,4	10,0ab	8,2	4,3-	1,0	0,0-	0,0	0,0-	0,0	
14	Amylo-X	1,5kg/ha	ADF	15,0a	36,2	15,0a	12,9	4,3-	0,5	0,0-	0,0	0,0-	0,0	

Pest Type				D; Disease		D; Disease								
Pest Code				PYTHAP		PYTHAP								
Pest Scientific Name				Pythium aphanid>		Pythium aphanid>								
Pest Name				Cottony leak of>		Cottony leak of>								
Crop Type, Code				C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		
BBCH Scale				BVVT		BVVT		BVVT		BVVT		BVVT		
Crop Scientific Name				Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		
Crop Name				Cucumber		Cucumber		Cucumber		Cucumber		Cucumber		
Crop Variety				PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG		
Description														
Rating Date				Sep-19-2022		Sep-19-2022		Sep-21-2022		Sep-21-2022		Sep-21-2022		
Rating Time														
SE Group No.				40		40		19		20		21		
Part Rated														
Rating Type														
Rating Unit/Min/Max														
Calculation														
Sample Size				10 PLANTS		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Collection Basis				1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Reporting Basis				1 PLANT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Number of Subsamples				10		1		1		1		1		
Crop Stage Scale														
Crop Stage Majority/Min/Max														
Crop Diameter Average														
Crop Diameter Min/Max														
Crop Height Average														
Crop Height Min/Max														
Crop Density														
Crop Density Min/Max														
Pest Stage Majority/Min/Max														
Pest Diameter Average														
Pest Diameter Min/Max														
Pest Height Average														
Pest Height Min/Max														
Pest Density														
Pest Density Min/Max														
Acceptance Level														
Footnote Number														
Assessed By														
Data Entry Date				Oct-18-2022				Sep-23-2022		Sep-23-2022		Sep-23-2022		
Equipment														
Rating Timing														
Days After First/Last Applic.														
Trt-Eval Interval														
Plant-Eval Interval														
ARM Action Codes						TIO[29]								
Number of Decimals				1		1		1		1		1		
Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	29	StDev	30	StDev	31	StDev	32	StDev	33	StDev
15	AHDB 9808	4	l/ha	ADF	0,0b	0,0	0,0b	0,0	4,5-	0,6	0,0-	0,0	0,0-	0,0
Levene's F					6,896*		6,896*		1,063		0,00*		0,00*	
Skewness					3,0398*		3,0398*		-0,4826		.		.	
Kurtosis					9,0497*		9,0497*		-0,3038		.		.	
Replicate F					1,337		1,337		4,030		0,000		0,000	
Replicate Prob(F)					0,2752		0,2752		0,0132		1,0000		1,0000	
Treatment F					4,191		4,191		1,646		0,000		0,000	
Treatment Prob(F)					0,0002		0,0002		0,1060		1,0000		1,0000	

	34	35	36	37	38	39
Pest Type	D; Disease	D; Disease				
Pest Code	PYTHAP	PYTHAP				
Pest Scientific Name	Pythium aphanid>	Pythium aphanid>				
Pest Name	Cottony leak of>	Cottony leak of>				
Crop Type, Code	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name	Cucumber	Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety	PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description						
Rating Date	Sep-21-2022	Sep-21-2022		Sep-23-2022	Sep-23-2022	Sep-23-2022
Rating Time						
SE Group No.	40	40	45	22	23	24
Part Rated						
Rating Type						
Rating Unit/Min/Max			CM; -; -			
Calculation						
Sample Size	10 PLANTS	1 PLOT	10 PLANTS	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLANT	1 PLOT	1 PLANT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	10	1	10	1	1	1
Crop Stage Scale						
Crop Stage Majority/Min/Max						
Crop Diameter Average						
Crop Diameter Min/Max						
Crop Height Average						
Crop Height Min/Max						
Crop Density						
Crop Density Min/Max						
Pest Stage Majority/Min/Max						
Pest Diameter Average						
Pest Diameter Min/Max						
Pest Height Average						
Pest Height Min/Max						
Pest Density						
Pest Density Min/Max						
Acceptance Level						
Footnote Number						
Assessed By						
Data Entry Date	Oct-18-2022		Oct-18-2022	Sep-23-2022	Sep-23-2022	Sep-23-2022
Equipment						
Rating Timing						
Days After First/Last Applic.						
Trt-Eval Interval						
Plant-Eval Interval						
ARM Action Codes		TIO[34]				
Number of Decimals	1	1	1	1	1	1

Trt No.	Treatment Name	Rate Rate Unit	Appl Code	34	StDev	35	StDev	36	StDev	37	StDev	38	StDev	39	StDev
1	UTC non-inoculated			0,0b	0,0	0,0b	0,0	8,2	0,9	5,0-	0,0	0,0-	0,0	0,0-	0,0
2	UTC Inoculated			0,0b	0,0	0,0b	0,0	6,8	1,1	5,0-	0,0	0,0-	0,0	0,0-	0,0
3	Ridomil Gold	1l/ha	B	0,0b	0,0	0,0b	0,0	6,6	0,8	4,3-	0,5	0,0-	0,0	0,0-	0,0
4	Previcur Energy	3l/ha	AB	0,0b	0,0	0,0b	0,0	6,5	0,8	5,3-	0,5	0,0-	0,0	0,0-	0,0
5	AHDB 9882	1,6l/ha	B	0,0b	0,0	0,0b	0,0	6,4	0,5	4,5-	0,6	0,0-	0,0	0,0-	0,0
6	AHDB 9958	3,2l/ha	AC	0,0b	0,0	0,0b	0,0	6,2	0,9	4,8-	0,5	0,0-	0,0	0,0-	0,0
7	AHDB 9957 (drip)	1l/ha	AB	0,0b	0,0	0,0b	0,0	5,3	0,6	4,8-	0,5	0,0-	0,0	0,0-	0,0
	AHDB 9957 (Spray)	1l/ha	DEFG												
8	AHDB 9815 (Drip)	0,3kg/ha	AB	0,0b	0,0	0,0b	0,0	5,4	0,9	4,8-	0,5	0,0-	0,0	0,0-	0,0
	AHDB 9815 (Spray)	0,3kg/ha	DEFG												
9	Sonata	10l/ha	ABDEFG	0,0b	0,0	0,0b	0,0	6,6	0,8	4,5-	0,6	0,0-	0,0	0,0-	0,0
10	Lalstop K61 (Drip)	10g/1000 plants	A	0,0b	0,0	0,0b	0,0	6,0	0,7	4,8-	0,5	0,0-	0,0	0,0-	0,0
	Lalstop K61 (Spray)	1kg/ha	B												
11	Trianum-P	30g/1000 plants	AB	7,5ab	26,7	7,5ab	9,6	5,5	2,1	4,5-	0,6	0,0-	0,0	0,0-	0,0
12	AHDB 9792	40ml/100 l	C	0,0b	0,0	0,0b	0,0	5,7	1,2	4,3-	0,5	0,0-	0,0	0,0-	0,0
13	AHDB 9726	5kg/ha	AB	10,0ab	30,4	10,0ab	8,2	4,1	0,7	4,3-	1,0	0,0-	0,0	0,0-	0,0
14	Amylo-X	1,5kg/ha	ADF	15,0a	36,2	15,0a	12,9	4,9	2,1	4,3-	0,5	0,0-	0,0	0,0-	0,0

Pest Type				D; Disease		D; Disease									
Pest Code				PYTHAP		PYTHAP									
Pest Scientific Name				Pythium aphanid>		Pythium aphanid>									
Pest Name				Cottony leak of>		Cottony leak of>									
Crop Type, Code				C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA	
BBCH Scale				BVVT		BVVT		BVVT		BVVT		BVVT		BVVT	
Crop Scientific Name				Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus	
Crop Name				Cucumber		Cucumber		Cucumber		Cucumber		Cucumber		Cucumber	
Crop Variety				PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG	
Description															
Rating Date				Sep-21-2022		Sep-21-2022				Sep-23-2022		Sep-23-2022		Sep-23-2022	
Rating Time															
SE Group No.				40		40		45		22		23		24	
Part Rated															
Rating Type															
Rating Unit/Min/Max								CM; -; -							
Calculation															
Sample Size				10 PLANTS		1 PLOT		10 PLANTS		1 PLOT		1 PLOT		1 PLOT	
Collection Basis				1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT	
Reporting Basis				1 PLANT		1 PLOT		1 PLANT		1 PLOT		1 PLOT		1 PLOT	
Number of Subsamples				10		1		10		1		1		1	
Crop Stage Scale															
Crop Stage Majority/Min/Max															
Crop Diameter Average															
Crop Diameter Min/Max															
Crop Height Average															
Crop Height Min/Max															
Crop Density															
Crop Density Min/Max															
Pest Stage Majority/Min/Max															
Pest Diameter Average															
Pest Diameter Min/Max															
Pest Height Average															
Pest Height Min/Max															
Pest Density															
Pest Density Min/Max															
Acceptance Level															
Footnote Number															
Assessed By															
Data Entry Date				Oct-18-2022				Oct-18-2022		Sep-23-2022		Sep-23-2022		Sep-23-2022	
Equipment															
Rating Timing															
Days After First/Last Applic.															
Trt-Eval Interval															
Plant-Eval Interval															
ARM Action Codes						TIO[34]									
Number of Decimals				1		1		1		1		1		1	
Trt Treatment		Rate	Appl	34		35		36		37		38		39	
No. Name	Rate	Unit	Code		StDev		StDev		StDev		StDev		StDev		StDev
15 AHDB 9808		4l/ha	ADF	0,0b	0,0	0,0b	0,0	6,8	0,8	4,5-	0,6	0,0-	0,0	0,0-	0,0
Levene's F				6,896*		6,896*		.		1,063		0,00*		0,00*	
Skewness				3,0398*		3,0398*		0,0108		-0,4826		.		.	
Kurtosis				9,0497*		9,0497*		0,9941		-0,3038		.		.	
Replicate F				1,337		1,337				4,030		0,000		0,000	
Replicate Prob(F)				0,2752		0,2752				0,0132		1,0000		1,0000	
Treatment F				4,191		4,191				1,646		0,000		0,000	
Treatment Prob(F)				0,0002		0,0002				0,1060		1,0000		1,0000	

Pest Type	D; Disease	D; Disease				
Pest Code	PYTHAP	PYTHAP				
Pest Scientific Name	Pythium aphanid>	Pythium aphanid>				
Pest Name	Cottony leak of>	Cottony leak of>				
Crop Type, Code	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name	Cucumber	Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety	PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description						
Rating Date	Sep-23-2022	Sep-23-2022		Sep-28-2022	Sep-28-2022	Sep-28-2022
Rating Time						
SE Group No.	40	40	45	22	23	24
Part Rated						
Rating Type						
Rating Unit/Min/Max			CM; -; -			
Calculation						
Sample Size	10 PLANTS	1 PLOT	10 PLANTS	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLANT	1 PLOT	1 PLANT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	10	1	10	1	1	1
Crop Stage Scale						
Crop Stage Majority/Min/Max						
Crop Diameter Average						
Crop Diameter Min/Max						
Crop Height Average						
Crop Height Min/Max						
Crop Density						
Crop Density Min/Max						
Pest Stage Majority/Min/Max						
Pest Diameter Average						
Pest Diameter Min/Max						
Pest Height Average						
Pest Height Min/Max						
Pest Density						
Pest Density Min/Max						
Acceptance Level						
Footnote Number						
Assessed By						
Data Entry Date	Oct-18-2022		Oct-18-2022	Sep-29-2022	Sep-29-2022	Sep-29-2022
Equipment						
Rating Timing						
Days After First/Last Applic.						
Trt-Eval Interval						
Plant-Eval Interval						
ARM Action Codes		TIO[40]				
Number of Decimals	1	1	1	1	1	1

Trt No.	Treatment Name	Rate Rate Unit	Appl Code	40	StDev	41	StDev	42	StDev	43	StDev	44	StDev	45	StDev
1	UTC non-inoculated			0,0b	0,0	0,0b	0,0	8,6	0,7	5,0	0,0	0,0	0,0	0,0	0,0
2	UTC Inoculated			0,0b	0,0	0,0b	0,0	6,9	1,1	4,0	0,0	3,0	0,0	0,0	0,0
3	Ridomil Gold	1l/ha	B	0,0b	0,0	0,0b	0,0	7,1	0,9	2,0	0,0	50,0	0,0	0,0	0,0
4	Previcur Energy	3l/ha	AB	0,0b	0,0	0,0b	0,0	7,0	0,7	5,0	0,0	0,0	0,0	0,0	0,0
5	AHDB 9882	1,6l/ha	B	0,0b	0,0	0,0b	0,0	7,2	0,7	4,0	0,0	10,0	0,0	0,0	0,0
6	AHDB 9958	3,2l/ha	AC	0,0b	0,0	0,0b	0,0	6,6	1,0	4,0	0,0	5,0	0,0	0,0	0,0
7	AHDB 9957 (drip)	1l/ha	AB	0,0b	0,0	0,0b	0,0	5,7	0,8	4,0	0,0	0,0	0,0	0,0	0,0
	AHDB 9957 (Spray)	1l/ha	DEFG												
8	AHDB 9815 (Drip)	0,3kg/ha	AB	0,0b	0,0	0,0b	0,0	5,6	1,0	4,0	0,0	0,0	0,0	0,0	0,0
	AHDB 9815 (Spray)	0,3kg/ha	DEFG												
9	Sonata	10l/ha	ABDEFG	0,0b	0,0	0,0b	0,0	6,8	0,8	4,0	0,0	0,0	0,0	0,0	0,0
10	Lalstop K61 (Drip)	10g/1000 plants	A	0,0b	0,0	0,0b	0,0	6,4	0,9	4,0	0,0	0,0	0,0	0,0	0,0
	Lalstop K61 (Spray)	1kg/ha	B												
11	Trianum-P	30g/1000 plants	AB	7,5ab	26,7	7,5ab	9,6	5,8	2,3	4,0	0,0	0,0	0,0	0,0	0,0
12	AHDB 9792	40ml/100 l	C	0,0b	0,0	0,0b	0,0	6,1	1,2	3,0	0,0	0,0	0,0	0,0	0,0
13	AHDB 9726	5kg/ha	AB	10,0ab	30,4	10,0ab	8,2	4,3	0,8	3,0	0,0	20,0	0,0	0,0	0,0
14	Amylo-X	1,5kg/ha	ADF	15,0a	36,2	15,0a	12,9	5,3	2,2	3,0	0,0	15,0	0,0	0,0	0,0

Pest Type				D; Disease		D; Disease						
Pest Code				PYTHAP		PYTHAP						
Pest Scientific Name				Pythium aphanid>		Pythium aphanid>						
Pest Name				Cottony leak of>		Cottony leak of>						
Crop Type, Code				C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA	
BBCH Scale				BVVT		BVVT		BVVT		BVVT		BVVT		BVVT	
Crop Scientific Name				Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus	
Crop Name				Cucumber		Cucumber		Cucumber		Cucumber		Cucumber		Cucumber	
Crop Variety				PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG	
Description															
Rating Date				Sep-23-2022		Sep-23-2022				Sep-28-2022		Sep-28-2022		Sep-28-2022	
Rating Time															
SE Group No.				40		40		45		22		23		24	
Part Rated															
Rating Type															
Rating Unit/Min/Max								CM; -; -							
Calculation															
Sample Size				10 PLANTS		1 PLOT		10 PLANTS		1 PLOT		1 PLOT		1 PLOT	
Collection Basis				1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT	
Reporting Basis				1 PLANT		1 PLOT		1 PLANT		1 PLOT		1 PLOT		1 PLOT	
Number of Subsamples				10		1		10		1		1		1	
Crop Stage Scale															
Crop Stage Majority/Min/Max															
Crop Diameter Average															
Crop Diameter Min/Max															
Crop Height Average															
Crop Height Min/Max															
Crop Density															
Crop Density Min/Max															
Pest Stage Majority/Min/Max															
Pest Diameter Average															
Pest Diameter Min/Max															
Pest Height Average															
Pest Height Min/Max															
Pest Density															
Pest Density Min/Max															
Acceptance Level															
Footnote Number															
Assessed By															
Data Entry Date				Oct-18-2022				Oct-18-2022		Sep-29-2022		Sep-29-2022		Sep-29-2022	
Equipment															
Rating Timing															
Days After First/Last Applic.															
Trt-Eval Interval															
Plant-Eval Interval															
ARM Action Codes						TIO[40]									
Number of Decimals				1		1		1		1		1		1	
Trt No.	Treatment Name	Rate	Unit	Appl Code	40	StDev	41	StDev	42	StDev	43	StDev	44	StDev	45	StDev
15	AHDB 9808	4	l/ha	ADF	0,0b	0,0	0,0b	0,0	7,2	0,9	4,0	0,0	0,0	0,0	0,0	0,0
Levene's F					6,896*		6,896*		.		.		.		.	
Skewness					3,0398*		3,0398*		-0,0382		-0,681		2,683*		.	
Kurtosis					9,0497*		9,0497*		1,0416		1,0806		7,8607*		.	
Replicate F					1,337		1,337									
Replicate Prob(F)					0,2752		0,2752									
Treatment F					4,191		4,191									
Treatment Prob(F)					0,0002		0,0002									

Pest Type	D; Disease	D; Disease				
Pest Code	PYTHAP	PYTHAP				
Pest Scientific Name	Pythium aphanid>	Pythium aphanid>				
Pest Name	Cottony leak of>	Cottony leak of>				
Crop Type, Code	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA	C; CUMSA
BBCH Scale	BVVT	BVVT	BVVT	BVVT	BVVT	BVVT
Crop Scientific Name	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus	Cucumis sativus
Crop Name	Cucumber	Cucumber	Cucumber	Cucumber	Cucumber	Cucumber
Crop Variety	PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG	PROLOOG
Description						
Rating Date	Sep-28-2022	Sep-28-2022		Oct-4-2022	Oct-4-2022	Oct-4-2022
Rating Time						
SE Group No.	40	40	45	22	23	24
Part Rated						
Rating Type						
Rating Unit/Min/Max			CM; -; -			
Calculation						
Sample Size	10 PLANTS	1 PLOT	10 PLANTS	1 PLOT	1 PLOT	1 PLOT
Collection Basis	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT	1 PLOT
Reporting Basis	1 PLANT	1 PLOT	1 PLANT	1 PLOT	1 PLOT	1 PLOT
Number of Subsamples	10	1	10	1	1	1
Crop Stage Scale						
Crop Stage Majority/Min/Max						
Crop Diameter Average						
Crop Diameter Min/Max						
Crop Height Average						
Crop Height Min/Max						
Crop Density						
Crop Density Min/Max						
Pest Stage Majority/Min/Max						
Pest Diameter Average						
Pest Diameter Min/Max						
Pest Height Average						
Pest Height Min/Max						
Pest Density						
Pest Density Min/Max						
Acceptance Level						
Footnote Number						
Assessed By						
Data Entry Date	Oct-18-2022		Oct-18-2022	Oct-18-2022	Oct-18-2022	Oct-18-2022
Equipment						
Rating Timing						
Days After First/Last Applic.						
Trt-Eval Interval						
Plant-Eval Interval						
ARM Action Codes		TIO[46]				
Number of Decimals	1	1	1	1	1	1

Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	46	StDev	47	StDev	48	StDev	49	StDev	50	StDev	51	StDev
1	UTC non-inoculated				0,0b	0,0	0,0b	0,0	9,9	1,3	5,0a	0,0	1,0b	1,7	0,0-	0,0
2	UTC Inoculated				0,0b	0,0	0,0b	0,0	8,2	1,8	4,0ab	0,0	2,0b	1,7	0,0-	0,0
3	Ridomil Gold		1l/ha	B	0,0b	0,0	0,0b	0,0	8,3	0,9	2,0c	0,0	50,0a	0,0	0,0-	0,0
4	Previcur Energy		3l/ha	AB	0,0b	0,0	0,0b	0,0	9,4	0,7	4,3ab	0,6	5,0b	5,0	0,0-	0,0
5	AHDB 9882		1,6l/ha	B	0,0b	0,0	0,0b	0,0	8,6	0,8	3,3b	0,6	18,3b	12,6	0,0-	0,0
6	AHDB 9958		3,2l/ha	AC	0,0b	0,0	0,0b	0,0	8,4	1,1	4,0ab	0,0	6,0b	1,7	0,0-	0,0
7	AHDB 9957 (drip)		1l/ha	AB	0,0b	0,0	0,0b	0,0	7,4	1,0	4,0ab	0,0	1,0b	1,7	0,0-	0,0
	AHDB 9957 (Spray)		1l/ha	DEFG												
8	AHDB 9815 (Drip)		0,3kg/ha	AB	0,0b	0,0	0,0b	0,0	7,1	1,8	4,0ab	1,0	3,7b	4,0	0,0-	0,0
	AHDB 9815 (Spray)		0,3kg/ha	DEFG												
9	Sonata		10l/ha	ABDEFG	0,0b	0,0	0,0b	0,0	9,4	1,1	4,0ab	0,0	2,7b	2,5	0,0-	0,0
10	Lalstop K61 (Drip)		10g/1000 plants	A	0,0b	0,0	0,0b	0,0	7,7	1,3	4,0ab	0,0	2,7b	2,5	0,0-	0,0
	Lalstop K61 (Spray)		1kg/ha	B												
11	Trianum-P		30g/1000 plants	AB	7,5ab	26,7	7,5ab	9,6	7,1	2,8	3,7b	0,6	1,0b	1,7	0,0-	0,0
12	AHDB 9792		40ml/100 l	C	0,0b	0,0	0,0b	0,0	7,0	1,6	4,0ab	0,0	2,7b	4,6	0,0-	0,0
13	AHDB 9726		5kg/ha	AB	10,0ab	30,4	10,0ab	8,2	5,3	1,5	3,0b	1,0	9,3b	9,3	0,0-	0,0
14	Amylo-X		1,5kg/ha	ADF	15,0a	36,2	15,0a	12,9	5,5	2,6	3,3b	0,6	15,0b	8,7	0,0-	0,0

	46		47		48		49		50		51	
Pest Type	D; Disease		D; Disease									
Pest Code	PYTHAP		PYTHAP									
Pest Scientific Name	Pythium aphanid>		Pythium aphanid>									
Pest Name	Cottony leak of>		Cottony leak of>									
Crop Type, Code	C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA	
BBCH Scale	BVVT		BVVT		BVVT		BVVT		BVVT		BVVT	
Crop Scientific Name	Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus	
Crop Name	Cucumber		Cucumber		Cucumber		Cucumber		Cucumber		Cucumber	
Crop Variety	PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG	
Description												
Rating Date	Sep-28-2022		Sep-28-2022				Oct-4-2022		Oct-4-2022		Oct-4-2022	
Rating Time												
SE Group No.	40		40		45		22		23		24	
Part Rated												
Rating Type												
Rating Unit/Min/Max					CM; -; -							
Calculation												
Sample Size	10 PLANTS		1 PLOT		10 PLANTS		1 PLOT		1 PLOT		1 PLOT	
Collection Basis	1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT	
Reporting Basis	1 PLANT		1 PLOT		1 PLANT		1 PLOT		1 PLOT		1 PLOT	
Number of Subsamples	10		1		10		1		1		1	
Crop Stage Scale												
Crop Stage Majority/Min/Max												
Crop Diameter Average												
Crop Diameter Min/Max												
Crop Height Average												
Crop Height Min/Max												
Crop Density												
Crop Density Min/Max												
Pest Stage Majority/Min/Max												
Pest Diameter Average												
Pest Diameter Min/Max												
Pest Height Average												
Pest Height Min/Max												
Pest Density												
Pest Density Min/Max												
Acceptance Level												
Footnote Number												
Assessed By												
Data Entry Date	Oct-18-2022				Oct-18-2022		Oct-18-2022		Oct-18-2022		Oct-18-2022	
Equipment												
Rating Timing												
Days After First/Last Applic.												
Trt-Eval Interval												
Plant-Eval Interval												
ARM Action Codes			TIO[46]									
Number of Decimals	1		1		1		1		1		1	
Trt No. / Treatment Name / Rate / Rate Unit / Appl Code	46	StDev	47	StDev	48	StDev	49	StDev	50	StDev	51	StDev
15 AHDB 9808 4l/ha ADF	0,0b	0,0	0,0b	0,0	8,5	1,9	3,7b	0,6	6,7b	11,5	0,0-	0,0
Levene's F	6,896*		6,896*		.		1,163		0,707		0,00*	
Skewness	3,0398*		3,0398*		-0,5165		-0,774*		2,2568*		.	
Kurtosis	9,0497*		9,0497*		-0,048		0,6227		4,6126*		.	
Replicate F	1,337		1,337				3,239		1,434		0,000	
Replicate Prob(F)	0,2752		0,2752				0,0543		0,2554		1,0000	
Treatment F	4,191		4,191				6,373		13,514		0,000	
Treatment Prob(F)	0,0002		0,0002				0,0001		0,0001		1,0000	

Pest Type					D; Disease		D; Disease								
Pest Code					PYTHAP		PYTHAP								
Pest Scientific Name					Pythium aphanid>		Pythium aphanid>								
Pest Name					Cottony leak of>		Cottony leak of>								
Crop Type, Code					C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		
BBCH Scale					BVVT		BVVT		BVVT		BVVT		BVVT		
Crop Scientific Name					Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		
Crop Name					Cucumber		Cucumber		Cucumber		Cucumber		Cucumber		
Crop Variety					PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG		
Description															
Rating Date					Oct-4-2022		Oct-4-2022		Oct-7-2022		Oct-7-2022		Oct-7-2022		
Rating Time															
SE Group No.					40		40		41		42		43		
Part Rated															
Rating Type															
Rating Unit/Min/Max															
Calculation															
Sample Size					10 PLANTS		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Collection Basis					1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Reporting Basis					1 PLANT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Number of Subsamples					10		1		1		1		1		
Crop Stage Scale															
Crop Stage Majority/Min/Max															
Crop Diameter Average															
Crop Diameter Min/Max															
Crop Height Average															
Crop Height Min/Max															
Crop Density															
Crop Density Min/Max															
Pest Stage Majority/Min/Max															
Pest Diameter Average															
Pest Diameter Min/Max															
Pest Height Average															
Pest Height Min/Max															
Pest Density															
Pest Density Min/Max															
Acceptance Level															
Footnote Number															
Assessed By															
Data Entry Date					Oct-18-2022				Oct-18-2022		Oct-18-2022		Oct-18-2022		
Equipment															
Rating Timing															
Days After First/Last Applic.															
Trt-Eval Interval															
Plant-Eval Interval															
ARM Action Codes							TIO[52]								
Number of Decimals					1		1		1		1		1		
Trt	Treatment		Rate	Appl	52		53		54		55		56		
No.	Name	Rate	Unit	Code		StDev		StDev		StDev		StDev		StDev	
1	UTC non-inoculated				0,0-	0,0	0,0-	0,0	5,0a	0,0	1,0b	1,7	0,0-	0,0	
2	UTC Inoculated				10,0-	30,4	10,0-	14,1	4,0ab	0,0	2,0b	1,7	0,0-	0,0	
3	Ridomil Gold		1l/ha	B	20,0-	40,5	20,0-	40,0	2,0c	0,0	50,0a	0,0	0,0-	0,0	
4	Previcur Energy		3l/ha	AB	2,5-	15,8	2,5-	5,0	4,3ab	0,6	5,0b	5,0	0,0-	0,0	
5	AHDB 9882		1,6l/ha	B	25,0-	43,9	25,0-	50,0	3,3b	0,6	18,3b	12,6	0,0-	0,0	
6	AHDB 9958		3,2l/ha	AC	0,0-	0,0	0,0-	0,0	4,0ab	0,0	6,0b	1,7	0,0-	0,0	
7	AHDB 9957 (drip)		1l/ha	AB	2,5-	15,8	2,5-	5,0	4,0ab	0,0	1,0b	1,7	0,0-	0,0	
	AHDB 9957 (Spray)		1l/ha	DEFG											
8	AHDB 9815 (Drip)		0,3kg/ha	AB	5,0-	22,1	5,0-	10,0	4,0ab	1,0	3,7b	4,0	0,0-	0,0	
	AHDB 9815 (Spray)		0,3kg/ha	DEFG											
9	Sonata		10l/ha	ABDEFG	0,0-	0,0	0,0-	0,0	4,0ab	0,0	2,7b	2,5	0,0-	0,0	
10	Lalstop K61 (Drip)		10g/1000 plants	A	0,0-	0,0	0,0-	0,0	4,0ab	0,0	2,7b	2,5	0,0-	0,0	
	Lalstop K61 (Spray)		1kg/ha	B											
11	Trianum-P		30g/1000 plants	AB	7,5-	26,7	7,5-	9,6	3,7b	0,6	1,0b	1,7	0,0-	0,0	
12	AHDB 9792		40ml/100 l	C	7,5-	26,7	7,5-	15,0	4,0ab	0,0	2,7b	4,6	0,0-	0,0	
13	AHDB 9726		5kg/ha	AB	10,0-	30,4	10,0-	8,2	3,0b	1,0	9,3b	9,3	0,0-	0,0	
14	Amylo-X		1,5kg/ha	ADF	15,0-	36,2	15,0-	12,9	3,3b	0,6	15,0b	8,7	0,0-	0,0	

Pest Type				D; Disease		D; Disease								
Pest Code				PYTHAP		PYTHAP								
Pest Scientific Name				Pythium aphanid>		Pythium aphanid>								
Pest Name				Cottony leak of>		Cottony leak of>								
Crop Type, Code				C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		C; CUMSA		
BBCH Scale				BVVT		BVVT		BVVT		BVVT		BVVT		
Crop Scientific Name				Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		Cucumis sativus		
Crop Name				Cucumber		Cucumber		Cucumber		Cucumber		Cucumber		
Crop Variety				PROLOOG		PROLOOG		PROLOOG		PROLOOG		PROLOOG		
Description														
Rating Date				Oct-4-2022		Oct-4-2022		Oct-7-2022		Oct-7-2022		Oct-7-2022		
Rating Time														
SE Group No.				40		40		41		42		43		
Part Rated														
Rating Type														
Rating Unit/Min/Max														
Calculation														
Sample Size				10 PLANTS		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Collection Basis				1 PLOT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Reporting Basis				1 PLANT		1 PLOT		1 PLOT		1 PLOT		1 PLOT		
Number of Subsamples				10		1		1		1		1		
Crop Stage Scale														
Crop Stage Majority/Min/Max														
Crop Diameter Average														
Crop Diameter Min/Max														
Crop Height Average														
Crop Height Min/Max														
Crop Density														
Crop Density Min/Max														
Pest Stage Majority/Min/Max														
Pest Diameter Average														
Pest Diameter Min/Max														
Pest Height Average														
Pest Height Min/Max														
Pest Density														
Pest Density Min/Max														
Acceptance Level														
Footnote Number														
Assessed By														
Data Entry Date				Oct-18-2022				Oct-18-2022		Oct-18-2022		Oct-18-2022		
Equipment														
Rating Timing														
Days After First/Last Applic.														
Trt-Eval Interval														
Plant-Eval Interval														
ARM Action Codes						TIO[52]								
Number of Decimals				1		1		1		1		1		
Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	52	StDev	53	StDev	54	StDev	55	StDev	56	StDev
15	AHDB 9808		4l/ha	ADF	2,5-	15,8	2,5-	5,0	3,7b	0,6	6,7b	11,5	0,0-	0,0
Levene's F					0,706		0,706		1,163		0,707		0,00*	
Skewness					3,8621*		3,8621*		-0,774*		2,2568*		.	
Kurtosis					16,7595*		16,7595*		0,6227		4,6126*		.	
Replicate F					6,739		6,739		3,239		1,434		0,000	
Replicate Prob(F)					0,0008		0,0008		0,0543		0,2554		1,0000	
Treatment F					0,986		0,986		6,373		13,514		0,000	
Treatment Prob(F)					0,4839		0,4839		0,0001		0,0001		1,0000	

Pest Type					D; Disease		D; Disease			
Pest Code					PYTHAP		PYTHAP			
Pest Scientific Name					Pythium aphanid>		Pythium aphanid>			
Pest Name					Cottony leak of>		Cottony leak of>			
Crop Type, Code					C; CUMSA		C; CUMSA			
BBCH Scale					BVVT		BVVT			
Crop Scientific Name					Cucumis sativus		Cucumis sativus			
Crop Name					Cucumber		Cucumber			
Crop Variety					PROLOOG		PROLOOG			
Description										
Rating Date					Oct-7-2022		Oct-7-2022			
Rating Time										
SE Group No.					44		44		46	
Part Rated										
Rating Type										
Rating Unit/Min/Max									g; -; -	
Calculation										
Sample Size					10 PLANTS		1 PLOT		1 PLOT	
Collection Basis					1 PLOT		1 PLOT		1 PLOT	
Reporting Basis					1 PLANT		1 PLOT		1 PLOT	
Number of Subsamples					10		1		1	
Crop Stage Scale										
Crop Stage Majority/Min/Max										
Crop Diameter Average										
Crop Diameter Min/Max										
Crop Height Average										
Crop Height Min/Max										
Crop Density										
Crop Density Min/Max										
Pest Stage Majority/Min/Max										
Pest Diameter Average										
Pest Diameter Min/Max										
Pest Height Average										
Pest Height Min/Max										
Pest Density										
Pest Density Min/Max										
Acceptance Level										
Footnote Number										
Assessed By										
Data Entry Date					Oct-18-2022				Oct-18-2022	
Equipment										
Rating Timing										
Days After First/Last Applic.										
Trt-Eval Interval										
Plant-Eval Interval										
ARM Action Codes							TIO[57]			
Number of Decimals					1		1		1	
Trt	Treatment	Rate		Appl	57		58		59	
No.	Name	Rate	Unit	Code		StDev		StDev		StDev
1	UTC non-inoculated				0,0-	0,0	0,0-	0,0	72,6a	45,6
2	UTC Inoculated				10,0-	30,4	10,0-	14,1	52,3abc	33,6
3	Ridomil Gold	1	l/ha	B	20,0-	40,5	20,0-	40,0	27,6d	19,8
4	Previcur Energy	3	l/ha	AB	2,5-	15,8	2,5-	5,0	66,6ab	40,8
5	AHDB 9882	1,6	l/ha	B	25,0-	43,9	25,0-	50,0	40,9cd	28,3
6	AHDB 9958	3,2	l/ha	AC	0,0-	0,0	0,0-	0,0	56,5abc	33,6
7	AHDB 9957 (drip)	1	l/ha	AB	2,5-	15,8	2,5-	5,0	57,5abc	33,8
	AHDB 9957 (Spray)	1	l/ha	DEFG						
8	AHDB 9815 (Drip)	0,3	kg/ha	AB	5,0-	22,1	5,0-	10,0	54,8abc	37,2
	AHDB 9815 (Spray)	0,3	kg/ha	DEFG						
9	Sonata	10	l/ha	ABDEFG	0,0-	0,0	0,0-	0,0	58,0abc	32,9
10	Lalstop K61 (Drip)	10	g/1000 plants	A	0,0-	0,0	0,0-	0,0	60,6abc	34,7
	Lalstop K61 (Spray)	1	kg/ha	B						
11	Trianum-P	30	g/1000 plants	AB	7,5-	26,7	7,5-	9,6	46,3bcd	24,9
12	AHDB 9792	40	ml/100 l	C	7,5-	26,7	7,5-	15,0	45,0bcd	28,0
13	AHDB 9726	5	kg/ha	AB	10,0-	30,4	10,0-	8,2	41,2cd	26,4
14	Amylo-X	1,5	kg/ha	ADF	15,0-	36,2	15,0-	12,9	43,3bcd	27,3

Pest Type					D; Disease		D; Disease			
Pest Code					PYTHAP		PYTHAP			
Pest Scientific Name					Pythium aphanid>		Pythium aphanid>			
Pest Name					Cottony leak of>		Cottony leak of>			
Crop Type, Code					C; CUMSA		C; CUMSA			
BBCH Scale					BVVT		BVVT			
Crop Scientific Name					Cucumis sativus		Cucumis sativus			
Crop Name					Cucumber		Cucumber			
Crop Variety					PROLOOG		PROLOOG			
Description										
Rating Date					Oct-7-2022		Oct-7-2022			
Rating Time										
SE Group No.					44		44		46	
Part Rated										
Rating Type										
Rating Unit/Min/Max									g; -; -	
Calculation										
Sample Size					10 PLANTS		1 PLOT		1 PLOT	
Collection Basis					1 PLOT		1 PLOT		1 PLOT	
Reporting Basis					1 PLANT		1 PLOT		1 PLOT	
Number of Subsamples					10		1		1	
Crop Stage Scale										
Crop Stage Majority/Min/Max										
Crop Diameter Average										
Crop Diameter Min/Max										
Crop Height Average										
Crop Height Min/Max										
Crop Density										
Crop Density Min/Max										
Pest Stage Majority/Min/Max										
Pest Diameter Average										
Pest Diameter Min/Max										
Pest Height Average										
Pest Height Min/Max										
Pest Density										
Pest Density Min/Max										
Acceptance Level										
Footnote Number										
Assessed By										
Data Entry Date					Oct-18-2022				Oct-18-2022	
Equipment										
Rating Timing										
Days After First/Last Applic.										
Trt-Eval Interval										
Plant-Eval Interval										
ARM Action Codes							TIO[57]			
Number of Decimals					1		1		1	
Trt No.	Treatment Name	Rate	Rate Unit	Appl Code	57	StDev	58	StDev	59	StDev
15	AHDB 9808		4l/ha	ADF	2,5-	15,8	2,5-	5,0	51,5abc	29,7
Levene's F					0,706		0,706		0,131	
Skewness					3,8621*		3,8621*		-0,4081	
Kurtosis					16,7595*		16,7595*		-0,89	
Replicate F					6,739		6,739		150,107	
Replicate Prob(F)					0,0008		0,0008		0,0001	
Treatment F					0,986		0,986		5,356	
Treatment Prob(F)					0,4839		0,4839		0,0001	

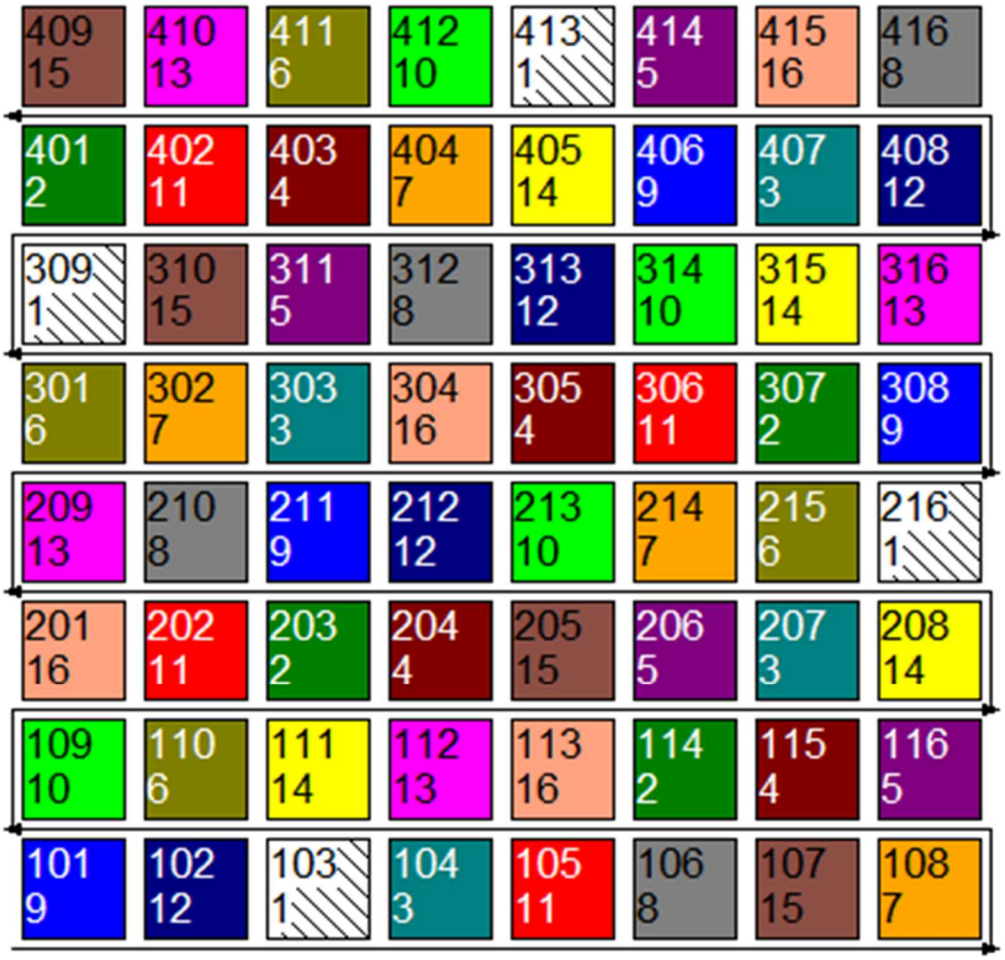
Botany BV

Trial ID:6472 trial 15 trt AHDB Codes Cooperator Trial ID:
Protocol ID: Location: Trial Year:2022
Project ID: Project ID 2: Project ID 3:
Study Director: Sponsor Contact:
Investigator (Creator):Erik Peters

ARM Action Codes

TIO[4] = % Incidence (&0 = none)[4]
TIO[9] = % Incidence (&0 = none)[9]
TIO[14] = % Incidence (&0 = none)[14]
TIO[19] = % Incidence (&0 = none)[19]
TIO[24] = % Incidence (&0 = none)[24]
TIO[29] = % Incidence (&0 = none)[29]
TIO[34] = % Incidence (&0 = none)[34]
TIO[40] = % Incidence (&0 = none)[40]
TIO[46] = % Incidence (&0 = none)[46]
TIO[52] = % Incidence (&0 = none)[52]
TIO[57] = % Incidence (&0 = none)[57]

d. Trial design



In the figure above, replicates are the series from 101 to 116 (2 rows) which were together on one table in the greenhouse compartment. The single number shows the treatment number. So, bottom left 101 - 9 means plot 101 and treatment 9. Plot 101 means the first plot of the first replicate. E.g. 311 means the 11th plot of the 3rd replicate.

e. ORETO certificate

Netherlands Food and Consumer
Product Safety Authority
Ministry of Agriculture,
Nature and Food Quality

Certificate

of Official Recognition of Efficacy Testing Organisations in the Netherlands
This certifies that, in conformity with the request of 26-10-2021.

Botany Group

Residing: Dr. Droesenweg 5, Meterik

has officially been recognised as an organisation for efficacy testing in the Netherlands.

As has been laid down in the 'Regeling gewasbeschermingsmiddelen en biociden' (Regulation Crop Protection Products and Biocides) of September 26, 2007 (Staatscourant 2007, 386).

This recognition commences on: 18 January, 2022
and expires on: 18 January, 2028

The above organisation is competent to carry out efficacy trials/tests in the categories mentioned in the annex of this certificate.

Utrecht, January 10, 2022

For the Minister of Agriculture, Nature and Food Quality,

Ton van Arnhem

Director NPPO (National Plant Protection Organization)