

Efficacy of organic plant protection programs against *Myzus cerasi* on cherries

Results from one field trial 2017 on cvs. Regina and Kordia

Trial no.: GEP-17-01-MYZECE

Trial carried out under GEP-rules

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GEP compliance statement

Efficacy trial no: GEP-17-01-MYZECE

Title: Efficacy of organic plant protection programs against *Myzus cerasi* on cherries

I hereby declare that this study was performed according to the study plan by the procedure described in compliance with the “Principles of good experimental practice (GEP)” and the EPPO-Guidelines listed under Material and Methods, 3.1

Study director: HJ. Schärer

Head of GEP-test station: HJ. Schärer

1. Summary

This project evaluated the efficacy of seven different organic plant protection programs against the black cherry aphid *Myzus cerasi* (MYZUCE) in a low stem cherry orchard. The standard paraffin oil (Weissöl) applied after bud swelling (BBCH 03) significantly reduced the number of infested long shoots and aphid colony size, represented by the number of curled leaves. Additional treatments with Pyrethrum (Pyrethrum FS) and Neem oil (Neem Azal T/S) added no further efficacy. Neem oil and Majestik applied twice showed only limited efficacy. A test oil was clearly less efficient than the standard paraffin oil. Ant baits placed on the stems after bud swelling to prevent ants from promoting aphids offered an interesting, sustainable control approach should for further investigation.

2. Objective

The aim of the experiment was to test the efficacy of seven different organic plant protection programs against the black cherry aphid *Myzus cerasi* (MYZUCE) under field conditions in spring.

3. Materials and methods

3.1 EPPO-Guidelines used

EPPO: PP 152/4 Design and Analyses of Efficacy Trials

EPPO: PP 181/4 Conduct and Reporting of Efficacy Trials-GEP

EPPO: PP 1/258 (1) Aphids on top fruit

3.2 Layout

Four blocks were placed in two tree rows in an organic cherry orchard at the Research Institute of Organic Farming (FiBL) in Frick AG Switzerland (47°31'4" N 08°01'33" E) (Fig. 1). Two blocks included the variety Kordia and the other two blocks the variety Regina. Eight treatments (including an untreated control) were randomly assigned to each block. Every replicate consisted of two trees.

tree	variety (root stock)	treatment	block
88	Regina	Majestik+Majestik	4
87	Regina	Majestik+Majestik	4
86	Regina	oil+Pyrethrum+Neem	4
85	Regina	oil+Pyrethrum+Neem	4
84	Regina	ant bait	4
83	Regina	ant bait	4
82	Regina	Neem+Neem	4
81	Regina	Neem+Neem	4
80	Regina	test oil	2
79	Regina	test oil	2
78	Regina	oil	2
77	Regina	oil	2
76	Regina	Neem+Neem	2
75	Regina	Neem+Neem	2
74	Regina	ant bait	2
73	Regina	ant bait	2
72	Kordia	Majestik+Majestik	2
71	Kordia	Majestik+Majestik	2
70	Kordia	control	2
69	Kordia	control	2
68	Kordia	oil+Pyrethrum+Neem	2
67	Kordia	oil+Pyrethrum+Neem	2
66	Kordia	oil+Neem+Neem	2
65	Kordia	oil+Neem+Neem	2
64	Kordia (10)	Majestik+Majestik	1
63	Kordia	Majestik+Majestik	1
62	Kordia	control	1
61	Kordia	control	1
60	Kordia (10)	Neem+Neem	1
59	Kordia	Neem+Neem	1
58	Kordia	oil+Pyrethrum+Neem	1
57	Kordia (10)	oil+Pyrethrum+Neem	1
56	Kordia (10)	ant bait	1
55	Kordia (10)	ant bait	1
54	Kordia (10)	test oil	1
53	Kordia (10)	test oil	1
52	Kordia (Colt) (10)	oil	1
51	Kordia (M 14)	oil	1
50	Kordia (M 60)	oil+Neem+Neem	1
49	Kordia (P 3)	oil+Neem+Neem	1

tree	variety (root stock)	treatment	block
120	Regina	control	4
119	Regina	control	4
118	Regina	test oil	4
117	Regina	test oil	4
116	Regina	oil+Neem+Neem	4
115	Regina	oil+Neem+Neem	4
114	Regina	oil	4
113	Regina	oil	4
112	Regina (10)	oil+Pyrethrum+Neem	3
111	Regina	oil+Pyrethrum+Neem	3
110	Regina	control	3
109	Regina	control	3
108	Regina	ant bait	3
107	Regina	ant bait	3
106	Regina	test oil	3
105	Regina	test oil	3
104	Regina	oil	3
103	Regina (10)	oil	3
102	Regina	Majestik+Majestik	3
101	Regina (10)	Majestik+Majestik	3
100	Regina (M60)	oil+Neem+Neem	3
99	Regina (Colt)	oil+Neem+Neem	3
98	Regina (P3)	Neem+Neem	3
97	Regina (M14)	Neem+Neem	3

Fig 1: Layout GEP-trial GEP-17-01-MYZECE: Arrangement of treatments and replicates in the orchard, incl. tree numbers and cultivar names.

3.3 Programs, reference products and treatments

In comparison to the untreated control, three standard programs and four test programs were assessed (Table 1). The standard programs were:

- (1) one application of paraffin oil after bud swelling (BBCH 03) (oil),
- (2) one paraffin oil application after bud swelling followed by two subsequent Neem oil applications after flowering (BBCH 67 and 73) (oil+Neem+Neem) and
- (3) two subsequent Neem oil applications after flowering (BBCH 67 and 73) (Neem+Neem).

The test programs were:

- (1) one application of paraffin oil after bud swelling (BBCH 03) followed by Pyrethrum before flowering (BBCH 61) and one Neem oil application after flowering (BBCH 67) (oil+Pyrethrum+Neem),
- (2) Majestik applied before (BBCH 61) and after flowering (BBCH 67) (Majestik+Majestik),
- (3) a test oil applied after bud swelling (BBCH 03); test oil) and
- (4) sugar bait dispensers installed after bud swelling (BBCH 03, ant bait).

Table 1: Details of the products and programs used in efficacy trial GEP-17-01-MYZECE

Code	Treatment	Product(s)	FIBL-Nr	Batch-Number	Supplier and / or Producer	Type 1)	Active ingredient	Amount of a.i. in formulation	Formulation type 2)	Concentration of a.i. in spray broth (product 1)	Amount of product per liter spray (g)	Amount of spray broth (l)
Red	Control untreated	-	-	-	-	CHK	-	-	-	no treatment	no treatment	0
Yellow 1	oil	Weissoel S	1028	12/2015	Schneiter Agro AG	I	Paraffin oil	99.1 % (830 g/l)	EC	2 %	20 ml	20
Grey 1	Test oil	RS77	1026		SFC Schneider Formulations consulting	I	Linseed oil	91% (920 g/l)	EC	2 %	20 ml	20
Yellow 2	Ant bait				Biobest	S	sugar				2 dispensers per tree trunk	na
Blue	Majestik+ Majestik	Majestik	806	6375	Omya	I	maltodextrin	49 %	SL	2.5 %	25 ml	40
Green	Neem+Neem	Neem Azal T/S	1051	060416S	Andermatt Biocontrol	I	Azadirachtin A	0.3 %	EC	0.3 %	3 ml	40
Pink	Oil+Neem +Neem	Weissoel S	1028	12/2015	Schneiter Agro AG	S	Paraffin-oil	99.1 % (830 g/l)	EC	2 %	20 ml	20

		Neem Azal T/S	1051	060416S	Andermatt Biocontrol	S	Azadirachtin A	0.3 %	EC	0.3 %	3 ml	40
Purple	Oil+Pyrethrum+Neem	Weissoel S	1028	12/2015	Schneider Agro AG	S	Paraffin oil	99.1 % (830 g/l)	EC	2 %	20 ml	20
		Pyrethrum FS	1011	53.11.2015	Andermatt Biocontrol	S	Pyrethrum	8%	EC	0.05 %	0.5 ml	20
		Neem Azal T/S	1051	060416S	Andermatt Biocontrol	S	Azadirachtin A	0.3 %	EC	0.3 %	3 ml	20

1)	CHK	Check		
	S	Strategy		
	I	Insecticide		
2)	WP	Waterdispersable powder		
	WG	Waterdispersable granulate		
	SP	Soluble powder		
	SC	Suspension concentrate		
	SL	Water soluble concentrate		
	EC	Emulsion concentrate		
	AD-S	Additive (Sticker)		

3.4 Application

3.4.1 Dates of application

Tab. 2: Dates of application

Program	Application date			
	17.03.2017	31.03.2017	02.05.2017	15.5.2017
BBCH	03	61	67	73
oil	Weissöl			
oil+Pyrethrum+Neem	Weissöl	Pyrethrum FS	Neem Azal/TS	
oil+Neem+Neem	Weissöl		Neem Azal/TS	Neem Azal/TS
test oil	test oil			
ant bait	ant bait			
Majestik+Majestik		Majestik	Majestik	
Neem+Neem			Neem Azal/TS	Neem Azal/TS

Weather conditions: Sunny, partially cloudy, and more or less windless. Applications were performed in the morning between 09.00 11.00 h. All applications were executed by CD and FC.

3.4.2 Application equipment

The applications in this trial were conducted using a motorized Birchmeier A-75 cart sprayer with a handheld spraygun and a 180 nozzle. Total spray volume for eight trees (four replicates with 2 trees each) was 20 litres.

The trees were treated completely, from both sides of the row, with emphasis to have a good cover on stem and branches. Two ant bait dispensers were installed per tree and mounted to the stem, just below the first main branch.

3.5 Trial location and trial site

FiBL, Cherry orchard
Ackerstrasse 113
5070 Frick
385 m.ü.M.
47°31'4" N 08°01'33" E.



Figure 2: Trial location

Soil is a clayey loam.
(Pseudogley-Braunerde)

approx. 47% clay

Fertility level is good

The soil is drained

Content of organic matter 4%

pH slightly alkaline

3.6 Crop and pest

3.6.1 CROP:

Cherry *Prunus avium* L. (PRNAV)

Cultivar	Regina, Kordia
Planted	2005
Planting distance	2.5 m within row, 4.6 m between rows
Mean height of trees	4 m
Mean width of trees	2.5 m
Previous crop:	grassland
Production orchard, managed by A.Schädeli, FiBL-Hof, 5070 Frick	

3.6.2 PEST:

Black cherry aphid *Myzus cerasi* (MYZUCE). Natural infection conditions, no artificial inoculation.

3.7 Climatic conditions

Average annual rainfall at the orchard site is 1157 mm (mean 2005-2013, www.agrometeo.ch). The trees in the cherry orchard were protected by a rain cover from 20 of March.

Weather data were recorded throughout the season with a Campbell weather station (www.agrometeo.ch). Mean daily temperature and daily rainfall are visualised in figure 3, for complete weather data see Appendix 6.2.

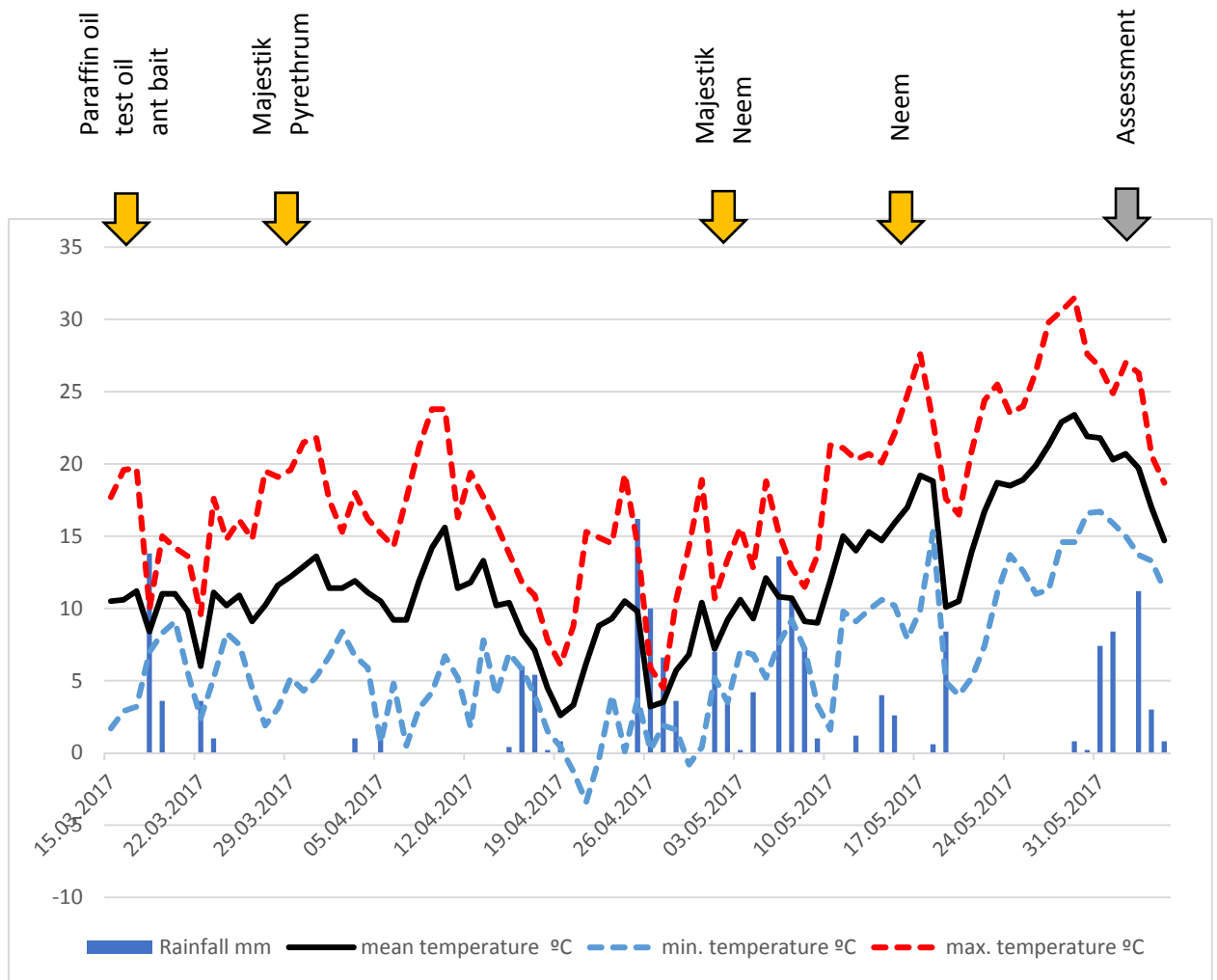


Fig. 3: Weather data in Frick during the trial GEP-17-01-MYZECE. Arrows indicate application and assessment dates.

3.8 Maintenance and crop protection

Maintenance work in the orchard was done according to standard organic practices. Mulching was performed during the season when necessary.

Table 3: Fungicide treatments in the orchard during the period of the current experiment in 2017

Date	Phenological stage BBCH	Product	Active ingredient

17.3.2018	03	Kocide 2000	35 % Cu, 4.28 kg / ha
24.3.2018	51	Kocide 2000	35 % Cu, 4.28 kg / ha

3.9 Assessments

One assessment for the occurrence of aphids was conducted on 2.6.2017. Per tree, 12 randomly selected long shoots were assessed: three long shoots from the south-facing lower part, three from the south-facing upper part, three from the north-facing lower part and three from the north-facing upper part of the tree canopy. Long shoots were classified as infested or uninfested and the number of curled leaves per long shoot was counted. The assessment was performed by FC.

3.10 Statistical analyses

The number of infested long shoots was analysed with a generalized linear mixed model with binomial distributed errors. The model used the fixed factors *treatment* and *variety* and the random effect tree side nested within tree number. The optimizer *bobyqa* was applied to improve model convergence. The number of curled leaves was analysed with a generalized linear mixed model with Poisson distributed errors. The model used the fixed factors *treatment* and *variety* and the random effect position, nested within tree side, nested within tree number. The factor *variety* had no significant effect in both models and was therefore removed. All statistical analyses were calculated with R 3.3.1 and the R-package *lme4*. Post-hoc comparisons were performed with the function *glht* from the R-package *multcomp*.

4. Results and discussion

In this study, we evaluated the efficacy of seven different organic plant protection programs against the black cherry aphid *M. cerasi* (MYZUCE) in a low stem cherry orchard in Frick Switzerland.

The timing of the applications was adequate. The first application of the oils was at bud swelling BBCH 03. Pest pressure was four aphid fundatrices per 200 randomly controlled buds. The second application was timed with the first opening flower buds (BBCH 61). Because there were two heavy frost events in April, all flowers froze and fell from the trees. Thus, there were no fruits in 2017.

Compared to the untreated control, the standard procedure paraffin oil once (oil) after bud swelling (BBCH 03) significantly reduced the number of infested long shoots (Table 4) and the aphid colony size (Figure 4), represented by the number of curled leaves.

The test oil applied at the same date with the same concentration as the standard paraffin oil was less effective than paraffin oil: both the number of infested long shoots (Table 4) and the number

of curled leaves were not significantly reduced compared to the untreated control (Table 4, Figure 4).

Additional applications of two times Neem oil (oil+Neem+Neem) ($z = -2.9$, $P = 0.8$) or once Pyrethrum followed by a Neem oil application (oil+Pyrethrum+Neem) ($z = 1.2$, $P = 0.6$) showed no significant, additional effects on the number of infested long shoots compared to Paraffin oil (oil) only. Oil+Neem+Neem ($z = -0.7$, $P = 0.5$) and oil+Pyrethrum+Neem ($z = -0.9$, $P = 0.4$) did not have an additional effect on the number of curled leaves compared to Paraffin oil (oil) only.

Two neem applications (Neem+Neem) reduced the number of infested long shoots, but not the number of curled leaves compared to the untreated control.

The two applications of Majestik (Majestik+Majestik) did not significantly control aphids (Table 4, Figure 4).

Ant baits (sugar bait dispensers) placed after bud swelling on the stems to prevent ants from enhancing aphids decreased both, the number of infested long shoots and the number of curled leaves (Table 4, Figure 4). The provided sugar solution was not depleted at the end of the trial. In accordance to the adequate application date, one dispenser per tree could be sufficient.

5. Conclusions

The standard paraffin oil (oil) applied after bud swelling during warm temperatures controlled the black cherry aphid. Additional treatments with Pyrethrum and Neem oil added no further efficacy to the programs and could therefore be omitted. The test oil was clearly less efficient than the standard paraffin oil and cannot be recommended for the control of *M. cerasi*. Ant bait dispensers mounted to the stems showed interesting results. Efficacy of ant baits was comparable to the efficacy of oil treatments. Thus, ant baits might provide a true alternative, because side effects of sugar dispensers are assumed to be considerably lower than side effects of a full spraying program. Further research on ant baits is needed to provide reliable data form different years.

Table 4: Percentage of infested long shoots

Treatment	Mean infested long shoots (%)	SE	Significant difference to the control	Z-value
Control	90.2	2.4		
Oil	50.0	3.9	***	-3.3
Test oil	78.7	2.1	marginal	-1.8
Oil+Pyrethrum+Neem	41.5	3.2	***	-3.7
Oil+Neem+Neem	56.3	3.0	**	-3.1
Neem+Neem	72.2	1.8	*	-2.4
Ant bait	64.8	2.2	**	-2.8

Majestik+Majestik	84.0	2.0	NS	-1.3
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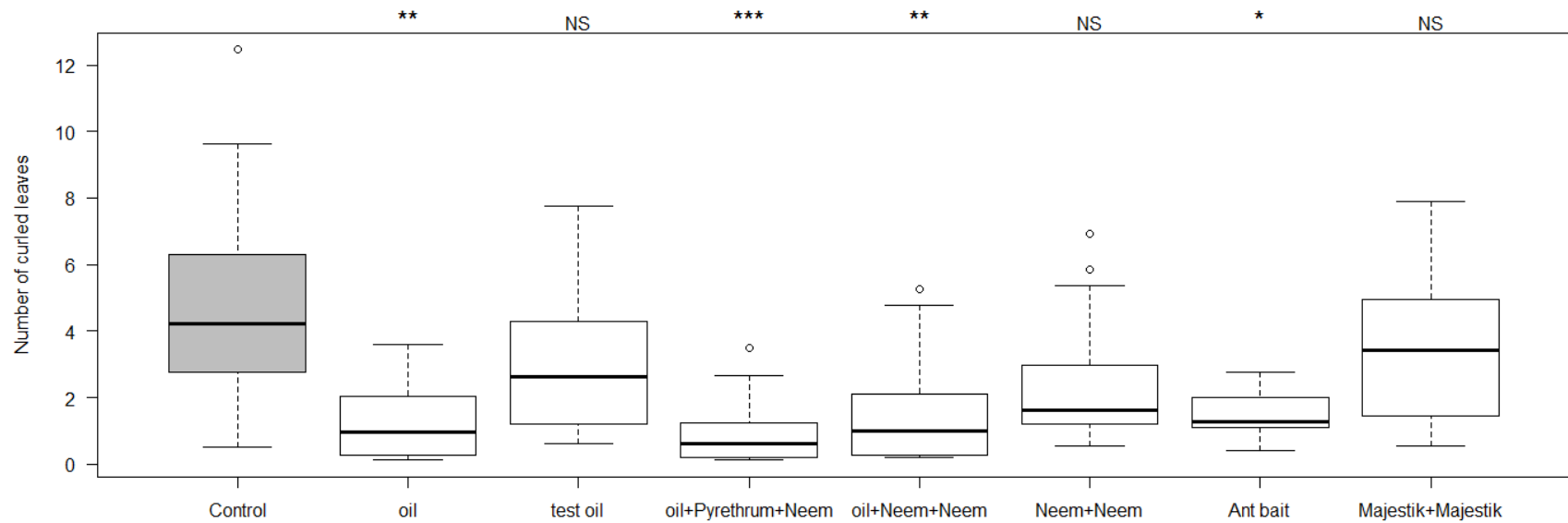


Figure 4: Fitted values of the number of curled leaves, representing aphid colony size. Significant differences to the control are indicated: NS = not significant, * $P < 0.05$, ** $P < 0.01$, * $P < 0.001$**

6. Annex

6.1 GEP certificate



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Confirmation

Federal Department of Economic Affairs,
Education and Research EAER
State Secretariat for Economic Affairs SECO
Swiss Accreditation Service SAS

Based on the assessment of May 27/28, 2015 the Swiss Accreditation Service confirms to

**Forschungsinstitut für Biologischen
Landbau FiBL
Ackerstrasse 113
5070 Frick**

**the compliance with the principles of the GEP for the performance
of efficacy evaluation trials of plant protection products for the
trial network.**

Central Unit:
Forschungsinstitut für Biologischen Landbau FiBL
Ackerstrasse 113
5070 Frick

Trial Site:
FiBL-GEP-Prüfstelle Pflanzenschutz
Forschungsinstitut für Biologischen Landbau FiBL
Ackerstrasse 113
5070 Frick

Swiss Accreditation Service

Konrad Flück
Head of SAS

3003 Bern, 01.06.2016

Confirmation valid from: 01.06.2016

6.2 Weather data 2017 at the location Frick, CH

Parameter	mean temperature	min. temperature	max. temperature	Rainfall
Einheit	°C	°C	°C	mm
15.03.2017	10.5	1.7	17.7	0
16.03.2017	10.6	2.9	19.6	0
17.03.2017	11.2	3.2	19.7	0
18.03.2017	8.4	7	10	13.8
19.03.2017	11	8.3	15	3.6
20.03.2017	11	9.1	14.2	0
21.03.2017	9.8	5.5	13.6	0
22.03.2017	6	2.4	9.6	3.6
23.03.2017	11.1	5.2	17.6	1
24.03.2017	10.2	8.3	14.8	0
25.03.2017	10.9	7.5	16.1	0
26.03.2017	9.1	4.5	14.8	0
27.03.2017	10.2	1.9	19.5	0
28.03.2017	11.6	3.1	19.1	0
29.03.2017	12.2	5.2	19.6	0
30.03.2017	12.9	4.3	21.5	0
31.03.2017	13.6	5.3	21.8	0
01.04.2017	11.4	6.7	17.5	0
02.04.2017	11.4	8.4	15.3	0
03.04.2017	11.9	6.7	18	1
04.04.2017	11.1	5.9	16.2	0
05.04.2017	10.5	0.7	15.2	1.6
06.04.2017	9.2	4.8	14.3	0
07.04.2017	9.2	0.5	17.6	0
08.04.2017	11.9	3.1	21.2	0
09.04.2017	14.2	4.2	23.8	0
10.04.2017	15.6	6.7	23.8	0
11.04.2017	11.4	5.2	16.3	0
12.04.2017	11.8	1.8	19.4	0
13.04.2017	13.3	7.8	17.7	0
14.04.2017	10.2	4	15.8	0
15.04.2017	10.4	6.9	13.8	0.4
16.04.2017	8.3	5.8	11.8	6
17.04.2017	7.1	4	10.9	5.4
18.04.2017	4.5	1.5	7.8	0.2
19.04.2017	2.6	0.4	6.1	0.8
20.04.2017	3.3	-1.3	8.8	0

21.04.2017	6.2	-3.4	15.3	0
22.04.2017	8.8	-0.4	14.9	0
23.04.2017	9.3	4	14.5	0
24.04.2017	10.5	0.1	19.3	0
25.04.2017	9.8	3.7	14.4	16.2
26.04.2017	3.2	0.2	5.9	10
27.04.2017	3.5	1.9	4.5	6.6
28.04.2017	5.7	1.6	10.6	3.6
29.04.2017	6.8	-0.8	14.3	0
30.04.2017	10.4	0.4	18.9	0
01.05.2017	7.2	5.2	10.7	7
02.05.2017	9.2	3.5	13.4	3.4
03.05.2017	10.6	7.1	15.6	0.2
04.05.2017	9.3	6.8	12.8	4.2
05.05.2017	12.1	5.2	18.8	0
06.05.2017	10.8	7.6	15.2	13.6
07.05.2017	10.7	9.2	12.8	10.8
08.05.2017	9.1	7.2	11.5	7.2
09.05.2017	9	3.3	13.7	1
10.05.2017	11.9	1.6	21.3	0
11.05.2017	15	9.8	21.1	0
12.05.2017	14	9.1	20.3	1.2
13.05.2017	15.3	9.9	20.7	0
14.05.2017	14.7	10.6	20.1	4
15.05.2017	15.9	10.2	22.1	2.6
16.05.2017	17	7.9	24.8	0
17.05.2017	19.2	9.9	27.6	0
18.05.2017	18.8	15.3	22.9	0.6
19.05.2017	10.1	4.9	17.6	8.4
20.05.2017	10.5	4	16.5	0
21.05.2017	13.9	5.2	20.9	0
22.05.2017	16.7	7.4	24.4	0
23.05.2017	18.7	11.1	25.5	0
24.05.2017	18.5	13.7	23.5	0
25.05.2017	18.9	12.6	24	0
26.05.2017	19.9	11	26.4	0
27.05.2017	21.3	11.3	29.8	0
28.05.2017	22.9	14.6	30.6	0
29.05.2017	23.4	14.6	31.5	0.8
30.05.2017	21.9	16.6	27.6	0.2
31.05.2017	21.8	16.7	26.7	7.4
01.06.2017	20.3	15.9	24.9	8.4

02.06.2017	20.7	15	27	0
03.06.2017	19.7	13.7	26.3	11.2
04.06.2017	17	13.3	20.6	3
05.06.2017	14.7	11.3	18.7	0.8

Data from Campbell Weather Station. Weather data can be downloaded from www.agrometeo.ch

6.3 Insect data

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	U
1	Baumnr	Sorte	Verfahren	whlg	Ast	Seite	Krone	Befall	Vital	Befall	Vital	Blätter	Nützling	Kommentar	
2	120	Regina	Control	4	1	Nord	Unten	j	j	1	1	9	1 Marienkäferlarve		
3	120	Regina	Control	4	2	Nord	Unten	j	j	1	1	3			
4	120	Regina	Control	4	3	Nord	Unten	j	j	1	1	10			
5	120	Regina	Control	4	1	Nord	Oben	j	j	1	1	5			
6	120	Regina	Control	4	2	Nord	Oben	j	j	1	1	5			
7	120	Regina	Control	4	3	Nord	Oben	j	j	1	1	10			
8	120	Regina	Control	4	1	Süd	Unten	j	j	1	1	6			
9	120	Regina	Control	4	2	Süd	Unten	j	j	1	1	6			
10	120	Regina	Control	4	3	Süd	Unten	j	j	1	1	3			
11	120	Regina	Control	4	1	Süd	Oben	j	j	1	1	8			
12	120	Regina	Control	4	2	Süd	Oben	j	j	1	1	15			
13	120	Regina	Control	4	3	Süd	Oben	j	j	1	1	17			
14	119	Regina	Control	4	1	Nord	Unten	j	j	1	1	7	1 Marienkäferlarve		
15	119	Regina	Control	4	2	Nord	Unten	j	j	1	1	9			
16	119	Regina	Control	4	3	Nord	Unten	j	j	1	1	7			
17	119	Regina	Control	4	1	Nord	Oben	j	j	1	1	6			
18	119	Regina	Control	4	2	Nord	Oben	j	j	1	1	7			
19	119	Regina	Control	4	3	Nord	Oben	j	j	1	1	8			
20	119	Regina	Control	4	1	Süd	Unten	j	j	1	1	7			
21	119	Regina	Control	4	2	Süd	Unten	j	j	1	1	8			
22	119	Regina	Control	4	3	Süd	Unten	j	j	1	1	7			
23	119	Regina	Control	4	1	Süd	Oben	j	j	1	1	6			
24	119	Regina	Control	4	2	Süd	Oben	j	j	1	1	9			
25	119	Regina	Control	4	3	Süd	Oben	j	j	1	1	15			
26	118	Regina	Test oil	4	1	Nord	Unten	n	n	0	0	6			
27	118	Regina	Test oil	4	2	Nord	Unten	n	n	0	0	5			
28	118	Regina	Test oil	4	3	Nord	Unten	n	n	0	0	8	1 Marienkäferlarve		
29	118	Regina	Test oil	4	1	Nord	Oben	j	j	1	1	10			
30	118	Regina	Test oil	4	2	Nord	Oben	j	j	1	1	7			
31	118	Regina	Test oil	4	3	Nord	Oben	j	j	1	1	8			
32	118	Regina	Test oil	4	1	Süd	Unten	j	j	1	1	6			
33	118	Regina	Test oil	4	2	Süd	Unten	j	j	1	1	2			
34	118	Regina	Test oil	4	3	Süd	Unten	j	j	1	1	4			
35	118	Regina	Test oil	4	1	Süd	Oben	j	j	1	1	6			
36	118	Regina	Test oil	4	2	Süd	Oben	j	j	1	1	6			
37	118	Regina	Test oil	4	3	Süd	Oben	j	j	1	1	3			
38	117	Regina	Test oil	4	1	Nord	Unten	j	j	1	1	7			
39	117	Regina	Test oil	4	2	Nord	Unten	j	j	1	1	3			
40	117	Regina	Test oil	4	3	Nord	Unten	j	j	1	1	9			
41	117	Regina	Test oil	4	1	Nord	Oben	j	j	1	1	4			
42	117	Regina	Test oil	4	2	Nord	Oben	j	j	1	1	4			
43	117	Regina	Test oil	4	3	Nord	Oben	j	j	1	1	5			
44	117	Regina	Test oil	4	1	Süd	Unten	j	j	1	1	6			
45	117	Regina	Test oil	4	2	Süd	Unten	j	j	1	1	6			
46	117	Regina	Test oil	4	3	Süd	Unten	j	j	1	1	1			
47	117	Regina	Test oil	4	1	Süd	Oben	j	j	1	1	8			
48	117	Regina	Test oil	4	2	Süd	Oben	j	j	1	1	10			
49	117	Regina	Test oil	4	3	Süd	Oben	j	j	1	1	6			
50	116	Regina	oil+Neem+Neem	4	1	Süd	Unten	n	n	0	0	0			
51	116	Regina	oil+Neem+Neem	4	1	Nord	Unten	j	n	1	0	4			
52	116	Regina	oil+Neem+Neem	4	2	Nord	Unten	j	n	1	0	3		geflügelte Läuse	

49	117	Regina	Test oil	4	3 Süd	Oben	j	j	1	1	6			
50	116	Regina	oil+Neem+Neem	4	1 Süd	Unten	n	n	0	0	0			
51	116	Regina	oil+Neem+Neem	4	1 Nord	Unten	j	n	1	0	4			
52	116	Regina	oil+Neem+Neem	4	2 Nord	Unten	j	n	1	0	3		geflügelte Läuse	
53	116	Regina	oil+Neem+Neem	4	3 Nord	Unten	n	j	0	1	0			
54	116	Regina	oil+Neem+Neem	4	1 Nord	Oben	j	j	1	1	5			
55	116	Regina	oil+Neem+Neem	4	2 Nord	Oben	j	j	1	1	5			
56	116	Regina	oil+Neem+Neem	4	3 Nord	Oben	j	j	1	1	8			
57	116	Regina	oil+Neem+Neem	4	2 Süd	Unten	j	j	1	1	2			
58	116	Regina	oil+Neem+Neem	4	3 Süd	Unten	j	j	1	1	1			
59	116	Regina	oil+Neem+Neem	4	1 Süd	Oben	j	j	1	1	1			
60	116	Regina	oil+Neem+Neem	4	2 Süd	Oben	j	j	1	1	2			
61	116	Regina	oil+Neem+Neem	4	3 Süd	Oben	j	j	1	1	3			
62	115	Regina	oil+Neem+Neem	4	3 Nord	Oben	n	n	0	0	0			
63	115	Regina	oil+Neem+Neem	4	3 Süd	Unten	n	n	0	0	0			
64	115	Regina	oil+Neem+Neem	4	2 Süd	Oben	n	n	0	0	0			
65	115	Regina	oil+Neem+Neem	4	3 Süd	Oben	n	n	0	0	0			
66	115	Regina	oil+Neem+Neem	4	1 Nord	Unten	j	j	1	1	4			
67	115	Regina	oil+Neem+Neem	4	2 Nord	Unten	j	j	1	1	4			
68	115	Regina	oil+Neem+Neem	4	3 Nord	Unten	j	j	1	1	3			
69	115	Regina	oil+Neem+Neem	4	1 Nord	Oben	j	j	1	1	2			
70	115	Regina	oil+Neem+Neem	4	2 Nord	Oben	j	j	1	1	0			
71	115	Regina	oil+Neem+Neem	4	1 Süd	Unten	j	j	1	1	1			
72	115	Regina	oil+Neem+Neem	4	2 Süd	Unten	j	j	1	1	2			
73	115	Regina	oil+Neem+Neem	4	1 Süd	Oben	j	j	1	1	1			
74	114	Regina	oil	4	3 Süd	Oben	n	n	0	0	0			
75	114	Regina	oil	4	1 Nord	Unten	j	j	1	1	1			
76	114	Regina	oil	4	2 Nord	Unten	j	j	1	1	3			
77	114	Regina	oil	4	3 Nord	Unten	j	j	1	1	3			
78	114	Regina	oil	4	1 Nord	Oben	j	j	1	1	5			
79	114	Regina	oil	4	2 Nord	Oben	j	j	1	1	1			
80	114	Regina	oil	4	3 Nord	Oben	j	j	1	1	1			
81	114	Regina	oil	4	1 Süd	Unten	j	j	1	1	2			
82	114	Regina	oil	4	2 Süd	Unten	j	j	1	1	2			
83	114	Regina	oil	4	3 Süd	Unten	j	j	1	1	2			
84	114	Regina	oil	4	1 Süd	Oben	j	j	1	1	1			
85	114	Regina	oil	4	2 Süd	Oben	j	j	1	1	3			
86	113	Regina	oil	4	2 Nord	Unten	n	n	0	0	0			
87	113	Regina	oil	4	3 Nord	Unten	n	n	0	0	0			
88	113	Regina	oil	4	1 Nord	Oben	n	n	0	0	0			
89	113	Regina	oil	4	2 Nord	Oben	n	n	0	0	0			
90	113	Regina	oil	4	3 Nord	Oben	n	n	0	0	0			
91	113	Regina	oil	4	1 Süd	Unten	n	n	0	0	0			
92	113	Regina	oil	4	2 Süd	Unten	n	n	0	0	0			
93	113	Regina	oil	4	3 Süd	Unten	n	n	0	0	0			
94	113	Regina	oil	4	2 Süd	Oben	n	n	0	0	0			
95	113	Regina	oil	4	3 Süd	Oben	n	n	0	0	0			
96	113	Regina	oil	4	1 Nord	Unten	j	j	1	1	2			
97	113	Regina	oil	4	1 Süd	Oben	j	j	1	1	1			

	A	B	C	D	E	F	G	H	I	J	K	L	M
97	113	Regina	oil	4	1	Süd	Oben	j	j	1	1	1	
98	112	Regina	oil+Pyrethrum+Neem	3	1	Nord	Unten	n	n	0	0	0	
99	112	Regina	oil+Pyrethrum+Neem	3	2	Nord	Unten	n	n	0	0	0	
100	112	Regina	oil+Pyrethrum+Neem	3	3	Nord	Unten	n	n	0	0	0	
101	112	Regina	oil+Pyrethrum+Neem	3	1	Nord	Oben	n	n	0	0	0	
102	112	Regina	oil+Pyrethrum+Neem	3	2	Nord	Oben	n	n	0	0	0	
103	112	Regina	oil+Pyrethrum+Neem	3	3	Nord	Oben	n	n	0	0	0	
104	112	Regina	oil+Pyrethrum+Neem	3	1	Süd	Unten	n	n	0	0	0	
105	112	Regina	oil+Pyrethrum+Neem	3	2	Süd	Unten	n	n	0	0	0	
106	112	Regina	oil+Pyrethrum+Neem	3	3	Süd	Unten	n	n	0	0	0	
107	112	Regina	oil+Pyrethrum+Neem	3	1	Süd	Oben	n	n	0	0	0	
108	112	Regina	oil+Pyrethrum+Neem	3	2	Süd	Oben	n	n	0	0	0	
109	112	Regina	oil+Pyrethrum+Neem	3	3	Süd	Oben	n	n	0	0	0	
110	111	Regina	oil+Pyrethrum+Neem	3	1	Nord	Unten	n	n	0	0	0	
111	111	Regina	oil+Pyrethrum+Neem	3	2	Nord	Unten	n	n	0	0	0	
112	111	Regina	oil+Pyrethrum+Neem	3	3	Nord	Unten	n	n	0	0	0	
113	111	Regina	oil+Pyrethrum+Neem	3	1	Nord	Oben	n	n	0	0	0	
114	111	Regina	oil+Pyrethrum+Neem	3	2	Nord	Oben	n	n	0	0	0	
115	111	Regina	oil+Pyrethrum+Neem	3	3	Nord	Oben	n	n	0	0	0	
116	111	Regina	oil+Pyrethrum+Neem	3	1	Süd	Unten	n	n	0	0	0	
117	111	Regina	oil+Pyrethrum+Neem	3	2	Süd	Unten	n	n	0	0	0	
118	111	Regina	oil+Pyrethrum+Neem	3	3	Süd	Unten	n	n	0	0	0	
119	111	Regina	oil+Pyrethrum+Neem	3	1	Süd	Oben	n	n	0	0	0	
120	111	Regina	oil+Pyrethrum+Neem	3	2	Süd	Oben	n	n	0	0	0	
121	111	Regina	oil+Pyrethrum+Neem	3	3	Süd	Oben	n	n	0	0	0	
122	110	Regina	Control	3	1	Nord	Unten	j	j	1	1	2	
123	110	Regina	Control	3	2	Nord	Unten	j	j	1	1	4	
124	110	Regina	Control	3	3	Nord	Unten	j	j	1	1	1	
125	110	Regina	Control	3	1	Nord	Oben	j	j	1	1	4	
126	110	Regina	Control	3	2	Nord	Oben	j	j	1	1	5	
127	110	Regina	Control	3	3	Nord	Oben	j	j	1	1	3	
128	110	Regina	Control	3	1	Süd	Unten	j	j	1	1	1	
129	110	Regina	Control	3	2	Süd	Unten	j	j	1	1	4	
130	110	Regina	Control	3	3	Süd	Unten	j	j	1	1	6	
131	110	Regina	Control	3	1	Süd	Oben	j	j	1	1	1	
132	110	Regina	Control	3	2	Süd	Oben	j	j	1	1	2	
133	110	Regina	Control	3	3	Süd	Oben	j	j	1	1	3	
134	109	Regina	Control	3	1	Nord	Unten	j	j	1	1	4	
135	109	Regina	Control	3	2	Nord	Unten	j	j	1	1	1	
136	109	Regina	Control	3	3	Nord	Unten	j	j	1	1	2	
137	109	Regina	Control	3	1	Nord	Oben	j	j	1	1	1	
138	109	Regina	Control	3	2	Nord	Oben	j	j	1	1	3	
139	109	Regina	Control	3	3	Nord	Oben	j	j	1	1	2	
140	109	Regina	Control	3	1	Süd	Unten	j	j	1	1	3	
141	109	Regina	Control	3	2	Süd	Unten	j	j	1	1	3	
142	109	Regina	Control	3	3	Süd	Unten	j	j	1	1	3	
143	109	Regina	Control	3	1	Süd	Oben	j	j	1	1	5	
144	109	Regina	Control	3	2	Süd	Oben	j	j	1	1	5	
145	109	Regina	Control	3	3	Süd	Oben	j	j	1	1	3	
146	108	Regina	Ant bait	3	1	Nord	Unten	n	n	0	0	0	
147	108	Regina	Ant bait	3	2	Nord	Unten	n	n	0	0	0	
148	108	Regina	Ant bait	3	1	Nord	Oben	n	n	0	0	0	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
148	108	Regina	Ant bait	3	1	Nord	Oben	n	n	0	0	0		
149	108	Regina	Ant bait	3	3	Nord	Oben	n	n	0	0	0		
150	108	Regina	Ant bait	3	1	Süd	Unten	n	n	0	0	0		
151	108	Regina	Ant bait	3	2	Süd	Unten	n	n	0	0	0		
152	108	Regina	Ant bait	3	3	Süd	Unten	n	n	0	0	0		
153	108	Regina	Ant bait	3	1	Süd	Oben	n	n	0	0	0		
154	108	Regina	Ant bait	3	2	Süd	Oben	n	n	0	0	0		
155	108	Regina	Ant bait	3	3	Süd	Oben	n	n	0	0	0		
156	108	Regina	Ant bait	3	3	Nord	Unten	j	n	1	0	2		
157	108	Regina	Ant bait	3	2	Nord	Oben	j	n	1	0	2		
158	107	Regina	Ant bait	3	3	Nord	Unten	n	n	0	0	0		
159	107	Regina	Ant bait	3	3	Nord	Oben	n	n	0	0	0		
160	107	Regina	Ant bait	3	3	Süd	Unten	n	n	0	0	0		
161	107	Regina	Ant bait	3	3	Süd	Oben	n	n	0	0	0		
162	107	Regina	Ant bait	3	1	Süd	Unten	j	n	1	0	1		
163	107	Regina	Ant bait	3	1	Nord	Unten	j	j	1	1	7		
164	107	Regina	Ant bait	3	2	Nord	Unten	j	j	1	1	4		
165	107	Regina	Ant bait	3	1	Nord	Oben	j	j	1	1	2		
166	107	Regina	Ant bait	3	2	Nord	Oben	j	j	1	1	1		
167	107	Regina	Ant bait	3	2	Süd	Unten	j	j	1	1	2		
168	107	Regina	Ant bait	3	1	Süd	Oben	j	j	1	1	5		
169	107	Regina	Ant bait	3	2	Süd	Oben	j	j	1	1	1		
170	106	Regina	Test oil	3	1	Nord	Oben	n	n	0	0	0		
171	106	Regina	Test oil	3	2	Nord	Oben	n	n	0	0	0		
172	106	Regina	Test oil	3	3	Nord	Oben	n	n	0	0	0		
173	106	Regina	Test oil	3	1	Nord	Unten	j	j	1	1	2		
174	106	Regina	Test oil	3	2	Nord	Unten	j	j	1	1	1		
175	106	Regina	Test oil	3	3	Nord	Unten	j	j	1	1	10		
176	106	Regina	Test oil	3	1	Süd	Unten	j	j	1	1	1		
177	106	Regina	Test oil	3	2	Süd	Unten	j	j	1	1	3		
178	106	Regina	Test oil	3	3	Süd	Unten	j	j	1	1	7		
179	106	Regina	Test oil	3	1	Süd	Oben	j	j	1	1	2		
180	106	Regina	Test oil	3	2	Süd	Oben	j	j	1	1	3		
181	106	Regina	Test oil	3	3	Süd	Oben	j	j	1	1	3		
182	105	Regina	Test oil	3	1	Nord	Unten	j	j	1	1	1		
183	105	Regina	Test oil	3	2	Nord	Unten	j	j	1	1	0		
184	105	Regina	Test oil	3	3	Nord	Unten	j	j	1	1	1		
185	105	Regina	Test oil	3	1	Nord	Oben	j	j	1	1	3		
186	105	Regina	Test oil	3	2	Nord	Oben	j	j	1	1	1		
187	105	Regina	Test oil	3	3	Nord	Oben	j	j	1	1	0		
188	105	Regina	Test oil	3	1	Süd	Unten	j	j	1	1	3		
189	105	Regina	Test oil	3	2	Süd	Unten	j	j	1	1	4		
190	105	Regina	Test oil	3	3	Süd	Unten	j	j	1	1	2		
191	105	Regina	Test oil	3	1	Süd	Oben	j	j	1	1	0		
192	105	Regina	Test oil	3	2	Süd	Oben	j	j	1	1	1		
193	105	Regina	Test oil	3	3	Süd	Oben	j	j	1	1	3		
194	104	Regina	oil	3	2	Süd	Unten	n	n	0	0	0		
195	104	Regina	oil	3	3	Süd	Unten	n	n	0	0	0		
196	104	Regina	oil	3	1	Nord	Unten	j	j	1	1	7		
197	104	Regina	oil	3	2	Nord	Unten	j	j	1	1	3		
198	104	Regina	oil	3	3	Nord	Unten	j	j	1	1	1		
199	104	Regina	oil	3	1	Nord	Oben	j	j	1	1	1		

	A	B	C	D	E	F	G	H	I	J	K	L	M
199	104	Regina	oil	3	1	Nord	Oben	j	j	1	1	1	
200	104	Regina	oil	3	2	Nord	Oben	j	j	1	1	2	
201	104	Regina	oil	3	3	Nord	Oben	j	j	1	1	0	
202	104	Regina	oil	3	1	Süd	Unten	j	j	1	1	2	
203	104	Regina	oil	3	1	Süd	Oben	j	j	1	1	0	
204	104	Regina	oil	3	2	Süd	Oben	j	j	1	1	2	
205	104	Regina	oil	3	3	Süd	Oben	j	j	1	1	1	
206	103	Regina	oil	3	1	Nord	Unten	j	j	1	1	6	
207	103	Regina	oil	3	2	Nord	Unten	j	j	1	1	2	
208	103	Regina	oil	3	3	Nord	Unten	j	j	1	1	2	
209	103	Regina	oil	3	1	Nord	Oben	j	j	1	1	4	
210	103	Regina	oil	3	2	Nord	Oben	j	j	1	1	2	
211	103	Regina	oil	3	3	Nord	Oben	j	j	1	1	6	
212	103	Regina	oil	3	1	Süd	Unten	j	j	1	1	0	
213	103	Regina	oil	3	2	Süd	Unten	j	j	1	1	3	
214	103	Regina	oil	3	3	Süd	Unten	j	j	1	1	3	
215	103	Regina	oil	3	1	Süd	Oben	j	j	1	1	4	
216	103	Regina	oil	3	2	Süd	Oben	j	j	1	1	4	
217	103	Regina	oil	3	3	Süd	Oben	j	j	1	1	4	
218	102	Regina	Majestik+Majestik	3	2	Nord	Oben	n	n	0	0	0	
219	102	Regina	Majestik+Majestik	3	3	Nord	Oben	n	n	0	0	0	
220	102	Regina	Majestik+Majestik	3	1	Nord	Unten	j	j	1	1	3	
221	102	Regina	Majestik+Majestik	3	2	Nord	Unten	j	j	1	1	7	
222	102	Regina	Majestik+Majestik	3	3	Nord	Unten	j	j	1	1	3	
223	102	Regina	Majestik+Majestik	3	1	Nord	Oben	j	j	1	1	2	
224	102	Regina	Majestik+Majestik	3	1	Süd	Unten	j	j	1	1	4	
225	102	Regina	Majestik+Majestik	3	2	Süd	Unten	j	j	1	1	6	
226	102	Regina	Majestik+Majestik	3	3	Süd	Unten	j	j	1	1	4	
227	102	Regina	Majestik+Majestik	3	1	Süd	Oben	j	j	1	1	4	
228	102	Regina	Majestik+Majestik	3	2	Süd	Oben	j	j	1	1	5	
229	102	Regina	Majestik+Majestik	3	3	Süd	Oben	j	j	1	1	3	
230	101	Regina	Majestik+Majestik	3	1	Nord	Unten	j	j	1	1	4	
231	101	Regina	Majestik+Majestik	3	2	Nord	Unten	j	j	1	1	1	
232	101	Regina	Majestik+Majestik	3	3	Nord	Unten	j	j	1	1	4	
233	101	Regina	Majestik+Majestik	3	1	Nord	Oben	j	j	1	1	5	
234	101	Regina	Majestik+Majestik	3	2	Nord	Oben	j	j	1	1	8	
235	101	Regina	Majestik+Majestik	3	3	Nord	Oben	j	j	1	1	6	
236	101	Regina	Majestik+Majestik	3	1	Süd	Unten	j	j	1	1	8	
237	101	Regina	Majestik+Majestik	3	2	Süd	Unten	j	j	1	1	7	
238	101	Regina	Majestik+Majestik	3	3	Süd	Unten	j	j	1	1	3	
239	101	Regina	Majestik+Majestik	3	1	Süd	Oben	j	j	1	1	7	
240	101	Regina	Majestik+Majestik	3	2	Süd	Oben	j	j	1	1	6	
241	101	Regina	Majestik+Majestik	3	3	Süd	Oben	j	j	1	1	5	
242	100	Regina	oil+Neem+Neem	3	2	Nord	Unten	n	n	0	0	0	
243	100	Regina	oil+Neem+Neem	3	3	Nord	Unten	n	n	0	0	0	
244	100	Regina	oil+Neem+Neem	3	3	Nord	Oben	n	n	0	0	0	
245	100	Regina	oil+Neem+Neem	3	3	Süd	Oben	n	n	0	0	0	
246	100	Regina	oil+Neem+Neem	3	1	Nord	Unten	j	j	1	1	2	
247	100	Regina	oil+Neem+Neem	3	1	Nord	Oben	j	j	1	1	3	
248	100	Regina	oil+Neem+Neem	3	2	Nord	Oben	j	j	1	1	6	
249	100	Regina	oil+Neem+Neem	3	1	Süd	Unten	j	j	1	1	1	
250	100	Regina	oil+Neem+Neem	3	2	Süd	Unten	j	j	1	1	0	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
250	100	Regina	oil+Neem+Neem	3	2	Süd	Unten	j	j	1	1	0			
251	100	Regina	oil+Neem+Neem	3	3	Süd	Unten	j	j	1	1	1			
252	100	Regina	oil+Neem+Neem	3	1	Süd	Oben	j	j	1	1	2			
253	100	Regina	oil+Neem+Neem	3	2	Süd	Oben	j	j	1	1	2			
254	99	Regina	oil+Neem+Neem	3	1	Nord	Unten	n	n	0	0	0			
255	99	Regina	oil+Neem+Neem	3	2	Nord	Unten	n	n	0	0	0			
256	99	Regina	oil+Neem+Neem	3	3	Nord	Unten	n	n	0	0	0			
257	99	Regina	oil+Neem+Neem	3	1	Nord	Oben	n	n	0	0	0			
258	99	Regina	oil+Neem+Neem	3	2	Nord	Oben	n	n	0	0	0			
259	99	Regina	oil+Neem+Neem	3	3	Nord	Oben	n	n	0	0	0			
260	99	Regina	oil+Neem+Neem	3	1	Süd	Unten	n	n	0	0	0			
261	99	Regina	oil+Neem+Neem	3	2	Süd	Unten	n	n	0	0	0			
262	99	Regina	oil+Neem+Neem	3	3	Süd	Unten	n	n	0	0	0			
263	99	Regina	oil+Neem+Neem	3	1	Süd	Oben	n	n	0	0	0			
264	99	Regina	oil+Neem+Neem	3	2	Süd	Oben	n	n	0	0	0			
265	99	Regina	oil+Neem+Neem	3	3	Süd	Oben	n	n	0	0	0			
266	98	Regina	Neem+Neem	3	3	Süd	Unten	n	n	0	0	4			
267	98	Regina	Neem+Neem	3	3	Nord	Unten	j	n	1	0	3			
268	98	Regina	Neem+Neem	3	1	Nord	Unten	j	j	1	1	3			
269	98	Regina	Neem+Neem	3	2	Nord	Unten	j	j	1	1	6			
270	98	Regina	Neem+Neem	3	1	Nord	Oben	j	j	1	1	2			
271	98	Regina	Neem+Neem	3	2	Nord	Oben	j	j	1	1	1			
272	98	Regina	Neem+Neem	3	3	Nord	Oben	j	j	1	1	1			
273	98	Regina	Neem+Neem	3	1	Süd	Unten	j	j	1	1	6			
274	98	Regina	Neem+Neem	3	2	Süd	Unten	j	j	1	1	0			
275	98	Regina	Neem+Neem	3	1	Süd	Oben	j	j	1	1	3			
276	98	Regina	Neem+Neem	3	2	Süd	Oben	j	j	1	1	4			
277	98	Regina	Neem+Neem	3	3	Süd	Oben	j	j	1	1	2			
278	97	Regina	Neem+Neem	3	3	Nord	Unten	n	n	0	0	0			
279	97	Regina	Neem+Neem	3	2	Nord	Oben	n	n	0	0	0			
280	97	Regina	Neem+Neem	3	3	Nord	Oben	n	n	0	0	0			
281	97	Regina	Neem+Neem	3	2	Süd	Unten	n	n	0	0	0			
282	97	Regina	Neem+Neem	3	3	Süd	Unten	n	n	0	0	0			
283	97	Regina	Neem+Neem	3	2	Süd	Oben	n	n	0	0	0			
284	97	Regina	Neem+Neem	3	3	Süd	Oben	n	n	0	0	0			
285	97	Regina	Neem+Neem	3	1	Nord	Unten	j	j	1	1	1			
286	97	Regina	Neem+Neem	3	2	Nord	Unten	j	j	1	1	2	1	Syrphidae Larve	
287	97	Regina	Neem+Neem	3	1	Nord	Oben	j	j	1	1	2			
288	97	Regina	Neem+Neem	3	1	Süd	Unten	j	j	1	1	5			
289	97	Regina	Neem+Neem	3	1	Süd	Oben	j	j	1	1	5			
290	88	Regina	Majestik+Majestik	4	1	Nord	Unten	j	j	1	1	1			
291	88	Regina	Majestik+Majestik	4	2	Nord	Unten	j	j	1	1	1		geflügelte Läuse	
292	88	Regina	Majestik+Majestik	4	3	Nord	Unten	j	j	1	1	5			
293	88	Regina	Majestik+Majestik	4	1	Nord	Oben	j	j	1	1	4			
294	88	Regina	Majestik+Majestik	4	2	Nord	Oben	j	j	1	1	7			
295	88	Regina	Majestik+Majestik	4	3	Nord	Oben	j	j	1	1	3			
296	88	Regina	Majestik+Majestik	4	1	Süd	Unten	j	j	1	1	4			
297	88	Regina	Majestik+Majestik	4	2	Süd	Unten	j	j	1	1	5			
298	88	Regina	Majestik+Majestik	4	3	Süd	Unten	j	j	1	1	3			
299	88	Regina	Majestik+Majestik	4	1	Süd	Oben	j	j	1	1	4			
300	88	Regina	Majestik+Majestik	4	2	Süd	Oben	j	j	1	1	2			
301	88	Regina	Majestik+Majestik	4	3	Süd	Oben	j	j	1	1	3			

	A	B	C	D	E	F	G	H	I	J	K	L	M
301	88	Regina	Majestik+Majestik	4	3	Süd	Oben	j	j	1	1	3	
302	87	Regina	Majestik+Majestik	4	1	Nord	Unten	j	j	1	1	3	
303	87	Regina	Majestik+Majestik	4	2	Nord	Unten	j	j	1	1	3	
304	87	Regina	Majestik+Majestik	4	3	Nord	Unten	j	j	1	1	2	
305	87	Regina	Majestik+Majestik	4	1	Nord	Oben	j	j	1	1	10	
306	87	Regina	Majestik+Majestik	4	2	Nord	Oben	j	j	1	1	9	
307	87	Regina	Majestik+Majestik	4	3	Nord	Oben	j	j	1	1	5	
308	87	Regina	Majestik+Majestik	4	1	Süd	Unten	j	j	1	1	6	
309	87	Regina	Majestik+Majestik	4	2	Süd	Unten	j	j	1	1	4	
310	87	Regina	Majestik+Majestik	4	3	Süd	Unten	j	j	1	1	5	
311	87	Regina	Majestik+Majestik	4	1	Süd	Oben	j	j	1	1	4	
312	87	Regina	Majestik+Majestik	4	2	Süd	Oben	j	j	1	1	4	
313	87	Regina	Majestik+Majestik	4	3	Süd	Oben	j	j	1	1	5	
314	86	Regina	oil+Pyrethrum+Neem	4	1	Nord	Unten	n	n	0	0	0	
315	86	Regina	oil+Pyrethrum+Neem	4	3	Nord	Unten	n	n	0	0	0	
316	86	Regina	oil+Pyrethrum+Neem	4	2	Nord	Oben	n	n	0	0	0	
317	86	Regina	oil+Pyrethrum+Neem	4	3	Nord	Oben	n	n	0	0	0	
318	86	Regina	oil+Pyrethrum+Neem	4	1	Süd	Unten	n	n	0	0	0	
319	86	Regina	oil+Pyrethrum+Neem	4	2	Süd	Unten	n	n	0	0	0	
320	86	Regina	oil+Pyrethrum+Neem	4	3	Süd	Unten	n	n	0	0	0	
321	86	Regina	oil+Pyrethrum+Neem	4	1	Süd	Oben	n	n	0	0	0	
322	86	Regina	oil+Pyrethrum+Neem	4	2	Süd	Oben	n	n	0	0	0	
323	86	Regina	oil+Pyrethrum+Neem	4	3	Süd	Oben	n	n	0	0	0	
324	86	Regina	oil+Pyrethrum+Neem	4	2	Nord	Unten	j	j	1	1	1	
325	86	Regina	oil+Pyrethrum+Neem	4	1	Nord	Oben	j	j	1	1	2	
326	85	Regina	oil+Pyrethrum+Neem	4	1	Nord	Unten	n	n	0	0	0	
327	85	Regina	oil+Pyrethrum+Neem	4	2	Nord	Unten	n	n	0	0	0	
328	85	Regina	oil+Pyrethrum+Neem	4	1	Nord	Oben	n	n	0	0	0	
329	85	Regina	oil+Pyrethrum+Neem	4	2	Nord	Oben	n	n	0	0	0	
330	85	Regina	oil+Pyrethrum+Neem	4	3	Nord	Oben	n	n	0	0	0	
331	85	Regina	oil+Pyrethrum+Neem	4	1	Süd	Unten	n	n	0	0	0	
332	85	Regina	oil+Pyrethrum+Neem	4	1	Süd	Oben	n	n	0	0	0	
333	85	Regina	oil+Pyrethrum+Neem	4	2	Süd	Oben	n	n	0	0	0	
334	85	Regina	oil+Pyrethrum+Neem	4	3	Süd	Unten	j	n	1	0	1	
335	85	Regina	oil+Pyrethrum+Neem	4	3	Nord	Unten	j	j	1	1	1	
336	85	Regina	oil+Pyrethrum+Neem	4	2	Süd	Unten	j	j	1	1	1	
337	85	Regina	oil+Pyrethrum+Neem	4	3	Süd	Oben	j	j	1	1	3	
338	84	Regina	Ant bait	4	1	Nord	Unten	n	n	0	0	0	
339	84	Regina	Ant bait	4	3	Nord	Unten	n	n	0	0	0	
340	84	Regina	Ant bait	4	1	Nord	Oben	n	n	0	0	0	
341	84	Regina	Ant bait	4	2	Nord	Oben	n	n	0	0	0	
342	84	Regina	Ant bait	4	3	Nord	Oben	n	n	0	0	0	
343	84	Regina	Ant bait	4	3	Süd	Oben	n	n	0	0	0	
344	84	Regina	Ant bait	4	2	Nord	Unten	j	j	1	1	3	
345	84	Regina	Ant bait	4	1	Süd	Unten	j	j	1	1	1	
346	84	Regina	Ant bait	4	2	Süd	Unten	j	j	1	1	4	
347	84	Regina	Ant bait	4	3	Süd	Unten	j	j	1	1	1	
348	84	Regina	Ant bait	4	1	Süd	Oben	j	j	1	1	9	
349	84	Regina	Ant bait	4	2	Süd	Oben	j	j	1	1	1	
350	83	Regina	Ant bait	4	3	Nord	Oben	n	n	0	0	0	
351	83	Regina	Ant bait	4	1	Nord	Unten	j	j	1	1	2	
352	83	Regina	Ant bait	4	2	Nord	Unten	j	j	1	1	2	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
352	83	Regina	Ant bait	4	2	Nord	Unten	j	j	1	1	2				
353	83	Regina	Ant bait	4	3	Nord	Unten	j	j	1	1	3				
354	83	Regina	Ant bait	4	1	Nord	Oben	j	j	1	1	5				
355	83	Regina	Ant bait	4	2	Nord	Oben	j	j	1	1	3				
356	83	Regina	Ant bait	4	1	Süd	Unten	j	j	1	1	1	1	Marienkäferlarve		
357	83	Regina	Ant bait	4	2	Süd	Unten	j	j	1	1	2				
358	83	Regina	Ant bait	4	3	Süd	Unten	j	j	1	1	1				
359	83	Regina	Ant bait	4	1	Süd	Oben	j	j	1	1	5				
360	83	Regina	Ant bait	4	2	Süd	Oben	j	j	1	1	2				
361	83	Regina	Ant bait	4	3	Süd	Oben	j	j	1	1	1				
362	82	Regina	Neem+Neem	4	1	Nord	Unten	n	n	0	0	0				
363	82	Regina	Neem+Neem	4	2	Nord	Unten	n	n	0	0	0				
364	82	Regina	Neem+Neem	4	2	Süd	Oben	n	n	0	0	0				
365	82	Regina	Neem+Neem	4	3	Süd	Oben	n	n	0	0	0				
366	82	Regina	Neem+Neem	4	3	Nord	Unten	j	j	1	1	5				
367	82	Regina	Neem+Neem	4	1	Nord	Oben	j	j	1	1	2				
368	82	Regina	Neem+Neem	4	2	Nord	Oben	j	j	1	1	0				
369	82	Regina	Neem+Neem	4	3	Nord	Oben	j	j	1	1	0				
370	82	Regina	Neem+Neem	4	1	Süd	Unten	j	j	1	1	4	1	Kürbiskreuzspinne, 1 Syrphidae Larve		
371	82	Regina	Neem+Neem	4	2	Süd	Unten	j	j	1	1	6				
372	82	Regina	Neem+Neem	4	3	Süd	Unten	j	j	1	1	1				
373	82	Regina	Neem+Neem	4	1	Süd	Oben	j	j	1	1	2				
374	81	Regina	Neem+Neem	4	2	Nord	Unten	n	n	0	0	0				
375	81	Regina	Neem+Neem	4	3	Nord	Unten	n	n	0	0	0				
376	81	Regina	Neem+Neem	4	1	Süd	Unten	j	n	1	0	3				
377	81	Regina	Neem+Neem	4	3	Süd	Unten	j	n	1	0	1				
378	81	Regina	Neem+Neem	4	1	Nord	Unten	j	j	1	1	1				
379	81	Regina	Neem+Neem	4	1	Nord	Oben	j	j	1	1	4				
380	81	Regina	Neem+Neem	4	2	Nord	Oben	j	j	1	1	1				
381	81	Regina	Neem+Neem	4	3	Nord	Oben	j	j	1	1	5				
382	81	Regina	Neem+Neem	4	2	Süd	Unten	j	j	1	1	2				
383	81	Regina	Neem+Neem	4	1	Süd	Oben	j	j	1	1	3				
384	81	Regina	Neem+Neem	4	2	Süd	Oben	j	j	1	1	4				
385	81	Regina	Neem+Neem	4	3	Süd	Oben	j	j	1	1	4				
386	80	Regina	Test oil	2	1	Nord	Unten	n	n	0	0	0				
387	80	Regina	Test oil	2	2	Nord	Unten	n	n	0	0	0				
388	80	Regina	Test oil	2	1	Süd	Unten	n	n	0	0	0				
389	80	Regina	Test oil	2	1	Süd	Oben	n	n	0	0	0				
390	80	Regina	Test oil	2	3	Süd	Oben	n	n	0	0	0				
391	80	Regina	Test oil	2	3	Nord	Unten	j	j	1	1	1				
392	80	Regina	Test oil	2	1	Nord	Oben	j	j	1	1	4				
393	80	Regina	Test oil	2	2	Nord	Oben	j	j	1	1	8				
394	80	Regina	Test oil	2	3	Nord	Oben	j	j	1	1	2				
395	80	Regina	Test oil	2	2	Süd	Unten	j	j	1	1	2				
396	80	Regina	Test oil	2	3	Süd	Unten	j	j	1	1	0	1	Marienkäferlarve		
397	80	Regina	Test oil	2	2	Süd	Oben	j	j	1	1	2				
398	79	Regina	Test oil	2	1	Nord	Unten	n	n	0	0	0				
399	79	Regina	Test oil	2	2	Nord	Unten	j	j	1	1	1				
400	79	Regina	Test oil	2	3	Nord	Unten	j	j	1	1	6				
401	79	Regina	Test oil	2	1	Nord	Oben	j	j	1	1	2				
402	79	Regina	Test oil	2	2	Nord	Oben	j	j	1	1	8				
403	79	Regina	Test oil	2	3	Nord	Oben	j	j	1	1	4				

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
403	79	Regina	Test oil	2	3	Nord	Oben	j	j	1	1	4		
404	79	Regina	Test oil	2	1	Süd	Unten	j	j	1	1	5		
405	79	Regina	Test oil	2	2	Süd	Unten	j	j	1	1	2		
406	79	Regina	Test oil	2	3	Süd	Unten	j	j	1	1	1		
407	79	Regina	Test oil	2	1	Süd	Oben	j	j	1	1	3		
408	79	Regina	Test oil	2	2	Süd	Oben	j	j	1	1	2		
409	79	Regina	Test oil	2	3	Süd	Oben	j	j	1	1	7		
410	78	Regina	oil	2	1	Nord	Unten	n	n	0	0	0		
411	78	Regina	oil	2	2	Nord	Unten	n	n	0	0	0		
412	78	Regina	oil	2	3	Nord	Unten	n	n	0	0	0		
413	78	Regina	oil	2	1	Nord	Oben	n	n	0	0	0		
414	78	Regina	oil	2	2	Nord	Oben	n	n	0	0	0		
415	78	Regina	oil	2	3	Nord	Oben	n	n	0	0	0		
416	78	Regina	oil	2	1	Süd	Unten	n	n	0	0	0		
417	78	Regina	oil	2	3	Süd	Unten	n	n	0	0	0		
418	78	Regina	oil	2	1	Süd	Oben	n	n	0	0	0		
419	78	Regina	oil	2	2	Süd	Oben	n	n	0	0	0		
420	78	Regina	oil	2	3	Süd	Oben	n	n	0	0	0		
421	78	Regina	oil	2	2	Süd	Unten	j	j	1	1	1		
422	77	Regina	oil	2	1	Nord	Unten	n	n	0	0	0		
423	77	Regina	oil	2	2	Nord	Unten	n	n	0	0	0		
424	77	Regina	oil	2	3	Nord	Unten	n	n	0	0	0		
425	77	Regina	oil	2	1	Nord	Oben	n	n	0	0	0		
426	77	Regina	oil	2	2	Nord	Oben	n	n	0	0	0		
427	77	Regina	oil	2	3	Nord	Oben	n	n	0	0	0		
428	77	Regina	oil	2	1	Süd	Unten	n	n	0	0	0		
429	77	Regina	oil	2	2	Süd	Unten	n	n	0	0	0		
430	77	Regina	oil	2	3	Süd	Unten	n	n	0	0	0		
431	77	Regina	oil	2	1	Süd	Oben	n	n	0	0	0		
432	77	Regina	oil	2	2	Süd	Oben	n	n	0	0	0		
433	77	Regina	oil	2	3	Süd	Oben	n	n	0	0	0		
434	76	Regina	Neem+Neem	2	1	Nord	Unten	n	n	0	0	0		
435	76	Regina	Neem+Neem	2	1	Nord	Oben	n	n	0	0	0		
436	76	Regina	Neem+Neem	2	2	Nord	Oben	n	n	0	0	0		
437	76	Regina	Neem+Neem	2	3	Nord	Oben	n	n	0	0	0		
438	76	Regina	Neem+Neem	2	2	Süd	Oben	n	n	0	0	0		
439	76	Regina	Neem+Neem	2	2	Nord	Unten	j	j	1	1	3		
440	76	Regina	Neem+Neem	2	3	Nord	Unten	j	j	1	1	1		
441	76	Regina	Neem+Neem	2	1	Süd	Unten	j	j	1	1	2		
442	76	Regina	Neem+Neem	2	2	Süd	Unten	j	j	1	1	1		
443	76	Regina	Neem+Neem	2	3	Süd	Unten	j	j	1	1	1		
444	76	Regina	Neem+Neem	2	1	Süd	Oben	j	j	1	1	12		
445	76	Regina	Neem+Neem	2	3	Süd	Oben	j	j	1	1	8		
446	75	Regina	Neem+Neem	2	1	Nord	Unten	n	n	0	0	0		
447	75	Regina	Neem+Neem	2	2	Nord	Unten	n	n	0	0	0		
448	75	Regina	Neem+Neem	2	3	Nord	Unten	n	n	0	0	0		
449	75	Regina	Neem+Neem	2	1	Nord	Oben	n	n	0	0	0		
450	75	Regina	Neem+Neem	2	2	Süd	Oben	n	n	0	0	0		
451	75	Regina	Neem+Neem	2	2	Nord	Oben	j	j	1	1	1		
452	75	Regina	Neem+Neem	2	3	Nord	Oben	j	j	1	1	2		
453	75	Regina	Neem+Neem	2	1	Süd	Unten	j	j	1	1	0	1 Marienkäferlarve	
454	75	Regina	Neem+Neem	2	2	Süd	Unten	j	j	1	1	0		

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
454	75	Regina	Neem+Neem	2	2	Süd	Unten	j	j	1	1	0			
455	75	Regina	Neem+Neem	2	3	Süd	Unten	j	j	1	1	0			
456	75	Regina	Neem+Neem	2	1	Süd	Oben	j	j	1	1	0			
457	75	Regina	Neem+Neem	2	3	Süd	Oben	j	j	1	1	5			
458	74	Regina	Ant bait	2	1	Nord	Unten	n	n	0	0	0	1	Kürbiskreuzspinne	
459	74	Regina	Ant bait	2	3	Nord	Unten	n	n	0	0	0			
460	74	Regina	Ant bait	2	2	Süd	Unten	n	n	0	0	0			
461	74	Regina	Ant bait	2	3	Süd	Unten	n	n	0	0	0			
462	74	Regina	Ant bait	2	1	Süd	Oben	n	n	0	0	3			
463	74	Regina	Ant bait	2	2	Nord	Unten	j	j	1	1	1			
464	74	Regina	Ant bait	2	1	Nord	Oben	j	j	1	1	7			
465	74	Regina	Ant bait	2	2	Nord	Oben	j	j	1	1	2			
466	74	Regina	Ant bait	2	3	Nord	Oben	j	j	1	1	1			
467	74	Regina	Ant bait	2	1	Süd	Unten	j	j	1	1	2			
468	74	Regina	Ant bait	2	2	Süd	Oben	j	j	1	1	5			
469	74	Regina	Ant bait	2	3	Süd	Oben	j	j	1	1	0			
470	73	Regina	Ant bait	2	1	Nord	Oben	n	n	0	0	0			
471	73	Regina	Ant bait	2	3	Nord	Oben	n	n	0	0	0			
472	73	Regina	Ant bait	2	3	Süd	Oben	n	n	0	0	0			
473	73	Regina	Ant bait	2	2	Nord	Oben	j	n	1	0	3			
474	73	Regina	Ant bait	2	1	Nord	Unten	j	j	1	1	3			
475	73	Regina	Ant bait	2	2	Nord	Unten	j	j	1	1	0			
476	73	Regina	Ant bait	2	3	Nord	Unten	j	j	1	1	1			
477	73	Regina	Ant bait	2	1	Süd	Unten	j	j	1	1	1			
478	73	Regina	Ant bait	2	2	Süd	Unten	j	j	1	1	2			
479	73	Regina	Ant bait	2	3	Süd	Unten	j	j	1	1	1			
480	73	Regina	Ant bait	2	1	Süd	Oben	j	j	1	1	0			
481	73	Regina	Ant bait	2	2	Süd	Oben	j	j	1	1	3			
482	72	Kordia	Majestik+Majestik	2	1	Nord	Unten	n	n	0	0	0			
483	72	Kordia	Majestik+Majestik	2	2	Nord	Unten	n	n	0	0	0			
484	72	Kordia	Majestik+Majestik	2	3	Nord	Unten	n	n	0	0	0			
485	72	Kordia	Majestik+Majestik	2	1	Nord	Oben	n	n	0	0	0			
486	72	Kordia	Majestik+Majestik	2	2	Nord	Oben	n	n	0	0	0			
487	72	Kordia	Majestik+Majestik	2	1	Süd	Unten	n	n	0	0	0			
488	72	Kordia	Majestik+Majestik	2	2	Süd	Unten	n	n	0	0	0			
489	72	Kordia	Majestik+Majestik	2	2	Süd	Oben	n	n	0	0	0			
490	72	Kordia	Majestik+Majestik	2	3	Nord	Oben	j	j	1	1	3			
491	72	Kordia	Majestik+Majestik	2	3	Süd	Unten	j	j	1	1	1			
492	72	Kordia	Majestik+Majestik	2	1	Süd	Oben	j	j	1	1	3			
493	72	Kordia	Majestik+Majestik	2	3	Süd	Oben	j	j	1	1	0	1	Marienkäferlarve	
494	71	Kordia	Majestik+Majestik	2	1	Süd	Oben	n	n	0	0	0			
495	71	Kordia	Majestik+Majestik	2	2	Süd	Oben	n	n	0	0	0			
496	71	Kordia	Majestik+Majestik	2	3	Süd	Oben	n	n	0	0	0			
497	71	Kordia	Majestik+Majestik	2	2	Nord	Oben	j	n	1	0	2			
498	71	Kordia	Majestik+Majestik	2	2	Süd	Unten	j	n	1	0	1		geflügelte Läuse	
499	71	Kordia	Majestik+Majestik	2	1	Nord	Unten	j	j	1	1	2			
500	71	Kordia	Majestik+Majestik	2	2	Nord	Unten	j	j	1	1	1			
501	71	Kordia	Majestik+Majestik	2	3	Nord	Unten	j	j	1	1	1			
502	71	Kordia	Majestik+Majestik	2	1	Nord	Oben	j	j	1	1	2			
503	71	Kordia	Majestik+Majestik	2	3	Nord	Oben	j	j	1	1	1			
504	71	Kordia	Majestik+Majestik	2	1	Süd	Unten	j	j	1	1	1			
505	71	Kordia	Majestik+Majestik	2	3	Süd	Unten	j	j	1	1	7			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
505	71	Kordia	Majestik+Majestik	2	3	Süd	Unten	j	j	1	1	7		
506	70	Kordia	Control	2	1	Nord	Unten	j	j	1	1	1		
507	70	Kordia	Control	2	2	Nord	Unten	j	j	1	1	3		
508	70	Kordia	Control	2	3	Nord	Unten	j	j	1	1	4		
509	70	Kordia	Control	2	1	Nord	Oben	j	j	1	1	6		
510	70	Kordia	Control	2	2	Nord	Oben	j	j	1	1	6		
511	70	Kordia	Control	2	3	Nord	Oben	j	j	1	1	2		
512	70	Kordia	Control	2	1	Süd	Unten	j	j	1	1	6	1 Marienkäferlarve	
513	70	Kordia	Control	2	2	Süd	Unten	j	j	1	1	6		
514	70	Kordia	Control	2	3	Süd	Unten	j	j	1	1	2		
515	70	Kordia	Control	2	1	Süd	Oben	j	j	1	1	6		
516	70	Kordia	Control	2	2	Süd	Oben	j	j	1	1	6		
517	70	Kordia	Control	2	3	Süd	Oben	j	j	1	1	7		
518	69	Kordia	Control	2	1	Nord	Unten	n	n	0	0	0		
519	69	Kordia	Control	2	2	Nord	Unten	n	n	0	0	0		
520	69	Kordia	Control	2	3	Nord	Unten	n	n	0	0	0		
521	69	Kordia	Control	2	2	Nord	Oben	n	n	0	0	0		
522	69	Kordia	Control	2	3	Nord	Oben	n	n	0	0	0		
523	69	Kordia	Control	2	1	Süd	Unten	n	n	0	0	0		
524	69	Kordia	Control	2	2	Süd	Unten	n	n	0	0	0		
525	69	Kordia	Control	2	3	Süd	Unten	n	n	0	0	0		
526	69	Kordia	Control	2	1	Süd	Oben	n	n	0	0	0		
527	69	Kordia	Control	2	2	Süd	Oben	n	n	0	0	0		
528	69	Kordia	Control	2	1	Nord	Oben	j	j	1	1	0		
529	69	Kordia	Control	2	3	Süd	Oben	j	j	1	1	5		
530	68	Kordia	oil+Pyrethrum+Neem	2	1	Nord	Unten	n	n	0	0	0		
531	68	Kordia	oil+Pyrethrum+Neem	2	3	Nord	Unten	n	n	0	0	0		
532	68	Kordia	oil+Pyrethrum+Neem	2	1	Nord	Oben	n	n	0	0	0		
533	68	Kordia	oil+Pyrethrum+Neem	2	2	Nord	Oben	n	n	0	0	1		
534	68	Kordia	oil+Pyrethrum+Neem	2	3	Nord	Oben	n	n	0	0	0		
535	68	Kordia	oil+Pyrethrum+Neem	2	2	Nord	Unten	j	j	1	1	1		
536	68	Kordia	oil+Pyrethrum+Neem	2	1	Süd	Unten	j	j	1	1	1		
537	68	Kordia	oil+Pyrethrum+Neem	2	2	Süd	Unten	j	j	1	1	0		
538	68	Kordia	oil+Pyrethrum+Neem	2	3	Süd	Unten	j	j	1	1	0		
539	68	Kordia	oil+Pyrethrum+Neem	2	1	Süd	Oben	j	j	1	1	2		
540	68	Kordia	oil+Pyrethrum+Neem	2	2	Süd	Oben	j	j	1	1	3		
541	68	Kordia	oil+Pyrethrum+Neem	2	3	Süd	Oben	j	j	1	1	2		
542	67	Kordia	oil+Pyrethrum+Neem	2	1	Nord	Unten	j	j	1	1	1		
543	67	Kordia	oil+Pyrethrum+Neem	2	2	Nord	Unten	j	j	1	1	2		
544	67	Kordia	oil+Pyrethrum+Neem	2	3	Nord	Unten	j	j	1	1	5		
545	67	Kordia	oil+Pyrethrum+Neem	2	1	Nord	Oben	j	j	1	1	2		
546	67	Kordia	oil+Pyrethrum+Neem	2	2	Nord	Oben	j	j	1	1	2		
547	67	Kordia	oil+Pyrethrum+Neem	2	3	Nord	Oben	j	j	1	1	9		
548	67	Kordia	oil+Pyrethrum+Neem	2	1	Süd	Unten	j	j	1	1	3		
549	67	Kordia	oil+Pyrethrum+Neem	2	2	Süd	Unten	j	j	1	1	3		
550	67	Kordia	oil+Pyrethrum+Neem	2	3	Süd	Unten	j	j	1	1	3		
551	67	Kordia	oil+Pyrethrum+Neem	2	1	Süd	Oben	j	j	1	1	0		
552	67	Kordia	oil+Pyrethrum+Neem	2	2	Süd	Oben	j	j	1	1	2		
553	67	Kordia	oil+Pyrethrum+Neem	2	3	Süd	Oben	j	j	1	1	1		
554	66	Kordia	oil+Neem+Neem	2	1	Nord	Unten	n	n	0	0	0		
555	66	Kordia	oil+Neem+Neem	2	3	Nord	Unten	n	n	0	0	0		
556	66	Kordia	oil+Neem+Neem	2	1	Nord	Oben	n	n	0	0	0		

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
556	66	Kordia	oil+Neem+Neem	2	1	Nord	Oben	n	n	0	0	0			
557	66	Kordia	oil+Neem+Neem	2	2	Nord	Oben	n	n	0	0	0			
558	66	Kordia	oil+Neem+Neem	2	3	Nord	Oben	n	n	0	0	0			
559	66	Kordia	oil+Neem+Neem	2	1	Süd	Unten	n	n	0	0	0			
560	66	Kordia	oil+Neem+Neem	2	2	Süd	Unten	n	n	0	0	0			
561	66	Kordia	oil+Neem+Neem	2	3	Süd	Unten	n	n	0	0	0			
562	66	Kordia	oil+Neem+Neem	2	1	Süd	Oben	n	n	0	0	0			
563	66	Kordia	oil+Neem+Neem	2	3	Süd	Oben	n	n	0	0	0			
564	66	Kordia	oil+Neem+Neem	2	2	Nord	Unten	j	j	1	1	0			
565	66	Kordia	oil+Neem+Neem	2	2	Süd	Oben	j	j	1	1	1			
566	65	Kordia	oil+Neem+Neem	2	1	Nord	Unten	n	n	0	0	0			
567	65	Kordia	oil+Neem+Neem	2	1	Nord	Oben	n	n	0	0	0			
568	65	Kordia	oil+Neem+Neem	2	2	Nord	Oben	n	n	0	0	0			
569	65	Kordia	oil+Neem+Neem	2	3	Nord	Oben	n	n	0	0	0			
570	65	Kordia	oil+Neem+Neem	2	3	Süd	Unten	n	n	0	0	0			
571	65	Kordia	oil+Neem+Neem	2	1	Süd	Oben	n	n	0	0	0			
572	65	Kordia	oil+Neem+Neem	2	3	Süd	Oben	n	n	0	0	0			
573	65	Kordia	oil+Neem+Neem	2	2	Nord	Unten	j	j	1	1	1			
574	65	Kordia	oil+Neem+Neem	2	3	Nord	Unten	j	j	1	1	1			
575	65	Kordia	oil+Neem+Neem	2	1	Süd	Unten	j	j	1	1	0	1	Marienkäferlarve	
576	65	Kordia	oil+Neem+Neem	2	2	Süd	Unten	j	j	1	1	0			
577	65	Kordia	oil+Neem+Neem	2	2	Süd	Oben	j	j	1	1	2			
578	64	Kordia	Majestik+Majestik	1	1	Nord	Unten	j	j	1	1	3			
579	64	Kordia	Majestik+Majestik	1	2	Nord	Unten	j	j	1	1	3			
580	64	Kordia	Majestik+Majestik	1	3	Nord	Unten	j	j	1	1	8			
581	64	Kordia	Majestik+Majestik	1	1	Nord	Oben	j	j	1	1	5			
582	64	Kordia	Majestik+Majestik	1	2	Nord	Oben	j	j	1	1	6		geflügelte Läuse	
583	64	Kordia	Majestik+Majestik	1	3	Nord	Oben	j	j	1	1	9			
584	64	Kordia	Majestik+Majestik	1	1	Süd	Unten	j	j	1	1	9			
585	64	Kordia	Majestik+Majestik	1	2	Süd	Unten	j	j	1	1	7			
586	64	Kordia	Majestik+Majestik	1	3	Süd	Unten	j	j	1	1	5			
587	64	Kordia	Majestik+Majestik	1	1	Süd	Oben	j	j	1	1	6			
588	64	Kordia	Majestik+Majestik	1	2	Süd	Oben	j	j	1	1	15			
589	64	Kordia	Majestik+Majestik	1	3	Süd	Oben	j	j	1	1	4			
590	63	Kordia	Majestik+Majestik	1	1	Nord	Unten	n	n	0	0	0			
591	63	Kordia	Majestik+Majestik	1	3	Nord	Unten	n	n	0	0	0			
592	63	Kordia	Majestik+Majestik	1	1	Nord	Oben	n	n	0	0	0			
593	63	Kordia	Majestik+Majestik	1	2	Nord	Unten	j	j	1	1	2			
594	63	Kordia	Majestik+Majestik	1	2	Nord	Oben	j	j	1	1	1			
595	63	Kordia	Majestik+Majestik	1	3	Nord	Oben	j	j	1	1	2			
596	63	Kordia	Majestik+Majestik	1	1	Süd	Unten	j	j	1	1	3			
597	63	Kordia	Majestik+Majestik	1	2	Süd	Unten	j	j	1	1	3			
598	63	Kordia	Majestik+Majestik	1	3	Süd	Unten	j	j	1	1	4			
599	63	Kordia	Majestik+Majestik	1	1	Süd	Oben	j	j	1	1	2			
600	63	Kordia	Majestik+Majestik	1	2	Süd	Oben	j	j	1	1	1			
601	63	Kordia	Majestik+Majestik	1	3	Süd	Oben	j	j	1	1	1			
602	62	Kordia	Control	1	1	Nord	Unten	j	j	1	1	3	1	Syrphidae Larve	
603	62	Kordia	Control	1	2	Nord	Unten	j	j	1	1	5			
604	62	Kordia	Control	1	3	Nord	Unten	j	j	1	1	1			
605	62	Kordia	Control	1	1	Nord	Oben	j	j	1	1	4			
606	62	Kordia	Control	1	2	Nord	Oben	j	j	1	1	4			
607	62	Kordia	Control	1	3	Nord	Oben	j	j	1	1	5			

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
607	62	Kordia	Control	1	3	Nord	Oben	j	j	1	1	5		
608	62	Kordia	Control	1	1	Süd	Unten	j	j	1	1	4		
609	62	Kordia	Control	1	2	Süd	Unten	j	j	1	1	4		
610	62	Kordia	Control	1	3	Süd	Unten	j	j	1	1	5		
611	62	Kordia	Control	1	1	Süd	Oben	j	j	1	1	1		
612	62	Kordia	Control	1	2	Süd	Oben	j	j	1	1	4		
613	62	Kordia	Control	1	3	Süd	Oben	j	j	1	1	7		
614	61	Kordia	Control	1	1	Nord	Unten	j	j	1	1	4		
615	61	Kordia	Control	1	2	Nord	Unten	j	j	1	1	4		
616	61	Kordia	Control	1	3	Nord	Unten	j	j	1	1	6		
617	61	Kordia	Control	1	1	Nord	Oben	j	j	1	1	7		
618	61	Kordia	Control	1	2	Nord	Oben	j	j	1	1	6		
619	61	Kordia	Control	1	3	Nord	Oben	j	j	1	1	8		
620	61	Kordia	Control	1	1	Süd	Unten	j	j	1	1	4		
621	61	Kordia	Control	1	2	Süd	Unten	j	j	1	1	7		
622	61	Kordia	Control	1	3	Süd	Unten	j	j	1	1	5		
623	61	Kordia	Control	1	1	Süd	Oben	j	j	1	1	7		
624	61	Kordia	Control	1	2	Süd	Oben	j	j	1	1	7		
625	61	Kordia	Control	1	3	Süd	Oben	j	j	1	1	4		
626	60	Kordia	Neem+Neem	1	2	Nord	Oben	n	n	0	0	0		
627	60	Kordia	Neem+Neem	1	3	Nord	Oben	n	n	0	0	0		
628	60	Kordia	Neem+Neem	1	3	Süd	Oben	n	n	0	0	0		
629	60	Kordia	Neem+Neem	1	3	Süd	Unten	j	n	1	0	2		
630	60	Kordia	Neem+Neem	1	1	Nord	Unten	j	j	1	1	0		
631	60	Kordia	Neem+Neem	1	2	Nord	Unten	j	j	1	1	3		
632	60	Kordia	Neem+Neem	1	3	Nord	Unten	j	j	1	1	1		
633	60	Kordia	Neem+Neem	1	1	Nord	Oben	j	j	1	1	5		
634	60	Kordia	Neem+Neem	1	1	Süd	Unten	j	j	1	1	0		
635	60	Kordia	Neem+Neem	1	2	Süd	Unten	j	j	1	1	2		
636	60	Kordia	Neem+Neem	1	1	Süd	Oben	j	j	1	1	4		
637	60	Kordia	Neem+Neem	1	2	Süd	Oben	j	j	1	1	1		
638	59	Kordia	Neem+Neem	1	1	Nord	Unten	j	j	1	1	5		
639	59	Kordia	Neem+Neem	1	2	Nord	Unten	j	j	1	1	8		
640	59	Kordia	Neem+Neem	1	3	Nord	Unten	j	j	1	1	5		
641	59	Kordia	Neem+Neem	1	1	Nord	Oben	j	j	1	1	8		
642	59	Kordia	Neem+Neem	1	2	Nord	Oben	j	j	1	1	5		
643	59	Kordia	Neem+Neem	1	3	Nord	Oben	j	j	1	1	3		
644	59	Kordia	Neem+Neem	1	1	Süd	Unten	j	j	1	1	6		
645	59	Kordia	Neem+Neem	1	2	Süd	Unten	j	j	1	1	4		
646	59	Kordia	Neem+Neem	1	3	Süd	Unten	j	j	1	1	6		
647	59	Kordia	Neem+Neem	1	1	Süd	Oben	j	j	1	1	6		
648	59	Kordia	Neem+Neem	1	2	Süd	Oben	j	j	1	1	8		
649	59	Kordia	Neem+Neem	1	3	Süd	Oben	j	j	1	1	8		
650	58	Kordia	oil+Pyrethrum+Neem	1	3	Nord	Unten	n	n	0	0	0		
651	58	Kordia	oil+Pyrethrum+Neem	1	3	Nord	Oben	n	n	0	0	0		
652	58	Kordia	oil+Pyrethrum+Neem	1	2	Süd	Unten	n	n	0	0	0		
653	58	Kordia	oil+Pyrethrum+Neem	1	1	Süd	Oben	n	n	0	0	0		
654	58	Kordia	oil+Pyrethrum+Neem	1	2	Süd	Oben	n	n	0	0	0		
655	58	Kordia	oil+Pyrethrum+Neem	1	3	Süd	Unten	j	n	1	0	2		
656	58	Kordia	oil+Pyrethrum+Neem	1	1	Nord	Unten	j	j	1	1	1	1 Syrphidae Larve	
657	58	Kordia	oil+Pyrethrum+Neem	1	2	Nord	Unten	j	j	1	1	3		
658	58	Kordia	oil+Pyrethrum+Neem	1	1	Nord	Oben	j	j	1	1	7		

	A	B	C	D	E	F	G	H	I	J	K	L	M
658	58	Kordia	oil+Pyrethrum+Neem	1	1	Nord	Oben	j	j	1	1	7	
659	58	Kordia	oil+Pyrethrum+Neem	1	2	Nord	Oben	j	j	1	1	2	
660	58	Kordia	oil+Pyrethrum+Neem	1	1	Süd	Unten	j	j	1	1	0	
661	58	Kordia	oil+Pyrethrum+Neem	1	3	Süd	Oben	j	j	1	1	3	
662	57	Kordia	oil+Pyrethrum+Neem	1	1	Nord	Unten	n	n	0	0	0	
663	57	Kordia	oil+Pyrethrum+Neem	1	3	Nord	Unten	n	n	0	0	0	
664	57	Kordia	oil+Pyrethrum+Neem	1	2	Nord	Oben	n	n	0	0	0	
665	57	Kordia	oil+Pyrethrum+Neem	1	1	Süd	Unten	n	n	0	0	0	
666	57	Kordia	oil+Pyrethrum+Neem	1	3	Süd	Unten	j	n	1	0	2	
667	57	Kordia	oil+Pyrethrum+Neem	1	2	Nord	Unten	j	j	1	1	2	
668	57	Kordia	oil+Pyrethrum+Neem	1	1	Nord	Oben	j	j	1	1	2	
669	57	Kordia	oil+Pyrethrum+Neem	1	3	Nord	Oben	j	j	1	1	1	
670	57	Kordia	oil+Pyrethrum+Neem	1	2	Süd	Unten	j	j	1	1	2	
671	57	Kordia	oil+Pyrethrum+Neem	1	1	Süd	Oben	j	j	1	1	1	
672	57	Kordia	oil+Pyrethrum+Neem	1	2	Süd	Oben	j	j	1	1	3	
673	57	Kordia	oil+Pyrethrum+Neem	1	3	Süd	Oben	j	j	1	1	1	
674	56	Kordia	Ant bait	1	1	Nord	Unten	n	n	0	0	0	
675	56	Kordia	Ant bait	1	3	Nord	Unten	n	n	0	0	0	
676	56	Kordia	Ant bait	1	2	Süd	Oben	n	n	0	0	0	
677	56	Kordia	Ant bait	1	2	Nord	Unten	j	j	1	1	3	
678	56	Kordia	Ant bait	1	1	Nord	Oben	j	j	1	1	1	
679	56	Kordia	Ant bait	1	2	Nord	Oben	j	j	1	1	0	
680	56	Kordia	Ant bait	1	3	Nord	Oben	j	j	1	1	3	
681	56	Kordia	Ant bait	1	1	Süd	Unten	j	j	1	1	2	
682	56	Kordia	Ant bait	1	2	Süd	Unten	j	j	1	1	2	
683	56	Kordia	Ant bait	1	3	Süd	Unten	j	j	1	1	5	
684	56	Kordia	Ant bait	1	1	Süd	Oben	j	j	1	1	1	
685	56	Kordia	Ant bait	1	3	Süd	Oben	j	j	1	1	2	
686	55	Kordia	Ant bait	1	1	Nord	Oben	n	n	0	0	0	
687	55	Kordia	Ant bait	1	3	Nord	Oben	n	n	0	0	0	
688	55	Kordia	Ant bait	1	1	Nord	Unten	j	j	1	1	2	
689	55	Kordia	Ant bait	1	2	Nord	Unten	j	j	1	1	5	
690	55	Kordia	Ant bait	1	3	Nord	Unten	j	j	1	1	1	
691	55	Kordia	Ant bait	1	2	Nord	Oben	j	j	1	1	3	
692	55	Kordia	Ant bait	1	1	Süd	Unten	j	j	1	1	0	
693	55	Kordia	Ant bait	1	2	Süd	Unten	j	j	1	1	0	
694	55	Kordia	Ant bait	1	3	Süd	Unten	j	j	1	1	1	
695	55	Kordia	Ant bait	1	1	Süd	Oben	j	j	1	1	1	
696	55	Kordia	Ant bait	1	2	Süd	Oben	j	j	1	1	0	
697	55	Kordia	Ant bait	1	3	Süd	Oben	j	j	1	1	2	
698	54	Kordia	Test oil	1	1	Nord	Unten	n	n	0	0	0	
699	54	Kordia	Test oil	1	2	Nord	Unten	n	n	0	0	0	
700	54	Kordia	Test oil	1	3	Nord	Unten	n	n	0	0	0	
701	54	Kordia	Test oil	1	2	Nord	Oben	n	n	0	0	0	
702	54	Kordia	Test oil	1	3	Nord	Oben	n	n	0	0	0	
703	54	Kordia	Test oil	1	1	Süd	Unten	n	n	0	0	0	
704	54	Kordia	Test oil	1	2	Süd	Unten	n	n	0	0	0	
705	54	Kordia	Test oil	1	3	Süd	Oben	n	n	0	0	0	
706	54	Kordia	Test oil	1	1	Nord	Oben	j	j	1	1	3	
707	54	Kordia	Test oil	1	3	Süd	Unten	j	j	1	1	0	
708	54	Kordia	Test oil	1	1	Süd	Oben	j	j	1	1	3	
709	54	Kordia	Test oil	1	2	Süd	Oben	j	j	1	1	2	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
709	54	Kordia	Test oil	1	2	Süd	Oben	j	j	1	1	2		
710	53	Kordia	Test oil	1	3	Nord	Oben	n	n	0	0	0		
711	53	Kordia	Test oil	1	2	Süd	Unten	j	n	1	0	1		
712	53	Kordia	Test oil	1	1	Nord	Unten	j	j	1	1	1		
713	53	Kordia	Test oil	1	2	Nord	Unten	j	j	1	1	1		
714	53	Kordia	Test oil	1	3	Nord	Oben	j	j	1	1	7		
715	53	Kordia	Test oil	1	1	Nord	Oben	j	j	1	1	3		
716	53	Kordia	Test oil	1	2	Nord	Oben	j	j	1	1	3		
717	53	Kordia	Test oil	1	1	Süd	Unten	j	j	1	1	2		
718	53	Kordia	Test oil	1	3	Süd	Unten	j	j	1	1	0		
719	53	Kordia	Test oil	1	1	Süd	Oben	j	j	1	1	2		
720	53	Kordia	Test oil	1	2	Süd	Oben	j	j	1	1	6		
721	53	Kordia	Test oil	1	3	Süd	Oben	j	j	1	1	1		
722	52	Kordia	oil	1	3	Nord	Unten	n	n	0	0	0		
723	52	Kordia	oil	1	1	Nord	Unten	j	j	1	1	0		
724	52	Kordia	oil	1	2	Nord	Unten	j	j	1	1	3		
725	52	Kordia	oil	1	1	Nord	Oben	j	j	1	1	3		
726	52	Kordia	oil	1	2	Nord	Oben	j	j	1	1	3		
727	52	Kordia	oil	1	3	Nord	Oben	j	j	1	1	5		
728	52	Kordia	oil	1	1	Süd	Unten	j	j	1	1	4		
729	52	Kordia	oil	1	2	Süd	Unten	j	j	1	1	0		
730	52	Kordia	oil	1	3	Süd	Unten	j	j	1	1	1		
731	52	Kordia	oil	1	1	Süd	Oben	j	j	1	1	5		
732	52	Kordia	oil	1	2	Süd	Oben	j	j	1	1	2		
733	52	Kordia	oil	1	3	Süd	Oben	j	j	1	1	6		
734	51	Kordia	oil	1	1	Nord	Unten	n	n	0	0	0		
735	51	Kordia	oil	1	2	Nord	Unten	n	n	0	0	1		
736	51	Kordia	oil	1	3	Nord	Unten	n	n	0	0	3		
737	51	Kordia	oil	1	2	Nord	Oben	n	n	0	0	0		
738	51	Kordia	oil	1	3	Nord	Oben	n	n	0	0	0		
739	51	Kordia	oil	1	1	Süd	Unten	n	n	0	0	0		
740	51	Kordia	oil	1	2	Süd	Unten	n	n	0	0	0		
741	51	Kordia	oil	1	3	Süd	Unten	n	n	0	0	0		
742	51	Kordia	oil	1	1	Süd	Oben	n	n	0	0	0		
743	51	Kordia	oil	1	2	Süd	Oben	n	n	0	0	0		
744	51	Kordia	oil	1	3	Süd	Oben	n	n	0	0	0		
745	51	Kordia	oil	1	1	Nord	Oben	j	j	1	1	2		
746	50	Kordia	oil+Neem+Neem	1	3	Nord	Unten	n	n	0	0	0		
747	50	Kordia	oil+Neem+Neem	1	3	Nord	Oben	n	n	0	0	0		
748	50	Kordia	oil+Neem+Neem	1	1	Süd	Oben	n	n	0	0	0		
749	50	Kordia	oil+Neem+Neem	1	1	Nord	Unten	j	j	1	1	0		
750	50	Kordia	oil+Neem+Neem	1	2	Nord	Unten	j	j	1	1	7		
751	50	Kordia	oil+Neem+Neem	1	1	Nord	Oben	j	j	1	1	3		
752	50	Kordia	oil+Neem+Neem	1	2	Nord	Oben	j	j	1	1	1		
753	50	Kordia	oil+Neem+Neem	1	1	Süd	Unten	j	j	1	1	0		
754	50	Kordia	oil+Neem+Neem	1	2	Süd	Unten	j	j	1	1	0		
755	50	Kordia	oil+Neem+Neem	1	3	Süd	Unten	j	j	1	1	0		
756	50	Kordia	oil+Neem+Neem	1	2	Süd	Oben	j	j	1	1	6	8 Marienkäferlarven	
757	50	Kordia	oil+Neem+Neem	1	3	Süd	Oben	j	j	1	1	2		
758	49	Kordia	oil+Neem+Neem	1	1	Süd	Unten	j	n	1	0	3		
759	49	Kordia	oil+Neem+Neem	1	3	Süd	Unten	j	n	1	0	0		
760	49	Kordia	oil+Neem+Neem	1	1	Nord	Unten	j	j	1	1	4		

	A	B	C	D	E	F	G	H	I	J	K	L
760	49	Kordia	oil+Neem+Neem	1	1	Nord	Unten	j	j	1	1	4
761	49	Kordia	oil+Neem+Neem	1	2	Nord	Unten	j	j	1	1	0
762	49	Kordia	oil+Neem+Neem	1	3	Nord	Unten	j	j	1	1	1
763	49	Kordia	oil+Neem+Neem	1	1	Nord	Oben	j	j	1	1	1
764	49	Kordia	oil+Neem+Neem	1	2	Nord	Oben	j	j	1	1	1
765	49	Kordia	oil+Neem+Neem	1	3	Nord	Oben	j	j	1	1	9
766	49	Kordia	oil+Neem+Neem	1	2	Süd	Unten	j	j	1	1	3
767	49	Kordia	oil+Neem+Neem	1	1	Süd	Oben	j	j	1	1	8
768	49	Kordia	oil+Neem+Neem	1	2	Süd	Oben	j	j	1	1	10
769	49	Kordia	oil+Neem+Neem	1	3	Süd	Oben	j	j	1	1	1
770												