

Start	Série	Počet včel na začátku	Krabice	Potrava D0	Mrtvé D0
5/10/2023	Zkušební	10	D1	11.86	0
5/10/2023	Zkušební	10	D2	12.68	3

Zblbé D0	Stará potrava D1	Nová potrava D1	Mrtvé D1	Zlblé D1	
0	8.23	11.88		0	0
5	10.59	11.78		4	0

Stará potrava D2	Nová potrava D2	Mrtvé D2	Zlblé D2	Stará potrava D4
8.74	18.17		0	13.29
10.08	18.09		4	15.25

Mrtvé D4	Zlhlé D4	Teplota	Pesticid	Koncentrace	Vyschlá miska
0	0	0	23 Kontrola		4.055
4	0	0	23 Mospilan		4.134

Vypláchnutá miska	Počet včel na konci
4.055	10
4.099	6

Start	Série	Počet včel na začátku	Krabice	Potrava D0	Mrtvé D0
5/17/2023	TEST 1	10	D1	13.11	0
5/17/2023	TEST 1	10	D2	11.94	0
5/17/2023	TEST 1	10	D3	11.95	0
5/17/2023	TEST 1	10	D4	13.03	0
5/17/2023	TEST 1	10	D5	12.59	0
5/17/2023	TEST 1	10	D6	12.63	0
5/17/2023	TEST 1	10	D7	11.84	0
5/17/2023	TEST 1	10	D8	12.63	0
5/17/2023	TEST 1	10	D9	11.93	0
5/17/2023	TEST 1	10	D10	12.01	0

Zblblé D0	Stará potrava D1	Nová potrava D1	Mrtvé D1	Zblblé D1	Stará potrava D2
1	11.35	12.02	2	1	10.37
0	10.2	12.62	0	0	9.52
0	9.75	13.06	0	0	10.95
0	10.49	12.91	0	0	10.41
0	10.84	13.02	0	0	9.91
0	10.68	12.51	1	0	10.82
0	9.16	12.94	7	0	10.35
0	9.40	13.18	1	0	10.30
0	8.78	11.98	0	0	10.04
0	8.84	12.05	1	0	10.37

Nová potrva D2	Mrtvé D2	Zblblé D2	Stará potrava	Mrtvé D4	Zblbé D4	Teplota	
19.31	2	0	15.69	3	0	23	
19.72	0	0	14.46	0	0	23	
18.22	0	0	13.48	1	0	23	
19.40	0	0	15.36	0	0	19	
19.22	0	0	13.97	0	0	19	
19.05	1	0	15.31	2	0	23	
18.62	7	0	13.31	7	0	19	
18.29	1	0	12.84	1	0	23	
18.35	0	0	13.29	0	2	23	
18.21	1	0	14.37	1	0	19	

Pesticid	Koncentrace	Vyschlá miska	Vypláchnutá miska	Počet včel na konci
Prosaro	1x	4.006	3.986	7
Mospilan	2x	3.507	3.384	10
Kontrola		4.099	4.097	9
Pictor	1x	4.055	4.052	10
Prosaro	1x	4.265	4.143	10
Prosaro	2x	4.364	4.295	8
Pictor	2x	3.262	3.139	3
Pictor	1x	4.407	4.282	9
Pictor	2x	4.280	4.279	10
Prosaro	2x	3.445	3.329	9

Start	Série	Počet včel na začátku	Krabice	Potrava D0	Mrtvé D0
5/30/2023	TEST 2	10	D1	13.24	0
5/30/2023	TEST 2	10	D2	12.08	0
5/30/2023	TEST 2	10	D3	11.99	0
5/30/2023	TEST 2	10	D4	12.79	0
5/30/2023	TEST 2	10	D5	11.98	0
5/30/2023	TEST 2	10	D6	13.13	0
5/30/2023	TEST 2	10	D7	13.13	0
5/30/2023	TEST 2	10	D8	11.98	0
5/30/2023	TEST 2	10	D9	12.01	0

Zblbé D0	Stará potrava D1	Nová potrava D1	Mrtvé D1	Zblbé D1	
0	11.19	12.61		0	0
0	8.75	12.14		0	0
0	10.02	13.00		1	0
0	9.93	12.13		0	0
2	10.17	13.12		0	2
6	11.71	11.93		0	0
0	9.87	11.93		1	0
0	8.65	12.18		0	0
1	8.45	12.04		1	0

Stará potrava D2	Nová potrava D2	Mrtvé D2	Zblblé D2	Stará potrava D4
9.79	19.00	0	0	14.81
9.19	18.20	0	0	12.55
11.15	19.30	1	0	15.25
9.55	18.39	0	0	13.10
11.37	19.27	1	0	15.46
9.96	18.33	0	0	13.96
8.95	18.31	1	0	12.61
9.45	18.36	0	0	12.88
9.02	18.42	1	0	12.79

Mrtvé D4	M/Z	Teplota	Pesticid	Koncentrace	Vyschlá	Vypláchnutá
	0	0	23 Kontrola		3.987	3.985
	0	0	27 Pictor	4x	4.164	4.161
	1	0	23 Pictor	4x	4.128	4.107
	1	0	27 Prosaro	4x	4.173	4.053
	1	0	23 Prosaro	4x	4.217	4.147
	0	0	23 Prosaro	2x	4.366	4.297
	1	0	23 Pictor	2x	3.142	3.139
	1	0	27 Prosaro	2x	4.391	4.301
	1	0	27 Pictor	2x	4.281	4.277

Počet včel na konci

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Start	Série	Počet včel na začátku	Krabice	Potrava D0	Mrtvé D0
7/11/2023	TEST 3	10	D1	13.13	0
7/11/2023	TEST 3	10	D2	13.04	2
7/11/2023	TEST 3	10	D3	12.77	5
7/11/2023	TEST 3	10	D4	13.01	1
7/11/2023	TEST 3	10	D5	12.92	0
7/11/2023	TEST 3	10	D6	12.97	2
7/11/2023	TEST 3	10	D7	13.22	1
7/11/2023	TEST 3	10	D8	13.06	7
7/11/2023	TEST 3	10	D9	12.69	4
7/11/2023	TEST 3	10	D10	13.13	10
7/11/2023	TEST 3	10	D11	13.00	5
7/11/2023	TEST 3	10	D12	13.09	4
7/11/2023	TEST 3	10	D13	13.02	7
7/11/2023	TEST 3	10	D14	13.01	0
7/11/2023	TEST 3	10	D15	13.16	4

Zblbě D0	Stará potrava D1	Nová potrava D1	Mrtvé D1	Zblbě D1	
0	9.49	12.88		0	0
6	11.94	13.1		6	0
2	10.62	12.99		8	0
1	10.27	12.95		4	0
0	11.22	13.19		0	1
0	11.68	12.99		4	0
1	11.27	13.04		5	0
0	9.87	13		7	0
0	9.51	13.02		4	1
0					
0	9.82	13.05		5	0
0	9.77	13.04		4	0
0	11.16	12.91		7	0
1	9.36	12.99		0	0
2	9.89	12.92		4	0

Stará potrava D2	Nová potrava D2	Mrtvé D2	Zblbě D2	Stará potrava D4
9.96	20.29		0	14.46
11.88	20.49		6	15.9
11.95	20.48		9	18.44
11.68	20.75		8	18.9
11.46	20.21		1	15.55
10.44	20.66		8	17.74
11.68	20.58		5	15.75
10.1	20.66		7	16.35
10.43	20.4		5	14.8
10.9	20.69		5	15.7
10.1	20.58		4	15.48
11.08	20.74		7	14.88
9.79	20.57		0	15.15
9.7	20.47		5	15.01

Mrtvé D4	Zblbé D4	Teplota	Pesticid	Koncentrace	Vyschlá	Vypláchnutá
	0	0	23 Kontrola		3.993	3.986
	7	0	19 Mospilan	1/2x	4.178	4.158
	10	0	19 Mospilan	1x	4.169	4.098
	8	0	19 Mospilan	2x	4.096	4.053
	1	0	19 Pictor	4x	4.178	4.143
	9	0	19 Prosaro	4x	4.332	4.295
	5	0	19 Pictor	4x	3.267	3.138
	7	0	27 Mospilan	1/2x	4.343	4.281
	5	0	27 Mospilan	1x	4.319	4.279
			27 Mospilan	2x	4.166	4.072
	5	0	27 Pictor	1x	4.056	4.054
	4	0	27 Prosaro	1x	4.145	4.063
	7	0	27 Prosaro	2x	4.171	4.121
	0	0	23 Mospilan	1/2x	4.179	4.148
	6	0	23 Mospilan	1x	4.103	4.078

Počet včel na konci

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Start	Série	Počet včel na začátku	Krabice	Potrava D0	Mrtvé D0
7/18/2023	TEST 4	10	D1	13.24	0
7/18/2023	TEST 4	10	D2	12.86	2
7/18/2023	TEST 4	9	D3	13.07	0
7/18/2023	TEST 4	10	D4	13.09	1
7/18/2023	TEST 4	10	D5	13.12	2
7/18/2023	TEST 4	10	D6	13.02	0
7/18/2023	TEST 4	9	D7	13.06	1
7/18/2023	TEST 4	10	D8	12.94	1
7/18/2023	TEST 4	10	D9	12.99	9
7/18/2023	TEST 4	9	D10	13.04	3
7/18/2023	TEST 4	8	D11	13.07	1
7/18/2023	TEST 4	10	D12	12.97	4
7/18/2023	TEST 4	9	D13	12.89	3
7/18/2023	TEST 4	10	D14	12.91	2
7/18/2023	TEST 4	10	D15	12.96	2

Zblbě D0	Stará potrava D1	Nová potrava D1	Mrtvé D1	Zblbě D1	
0	9.84	13.03		0	0
1	11.25	13.12		4	0
0	10.74	13.05		0	0
5	10.55	13.11		5	3
1	11.92	12.98		4	1
5	11.14	12.87		2	2
0	9.80	13.05		1	0
0	9.58	15.53		2	0
1	10.84	12.97		10	0
2	10.49	12.53		5	0
0	9.69	12.98		1	0
0	10.34	13.00		8	0
0	10.21	13.01		3	0
3	10.48	13.00		4	0
1	9.45	13.01		2	0

Stará potrava D2	Nová potrava D2	Mrtvé D2	Zblbě D2	Stará potrava D4
9.84	19.13		0	13.51
11.48	18.07		4	14.57
10.14	19.02		0	15.15
11.86	19.18		9	16.44
10.8	18.07		5	13.22
11.2	18.12		5	14.36
9.94	18.87		1	13.42
11.62	19.06		2	13.51
10.33	18.12 ř			13.06
9.74	17.93		1	12.75
10.69	18.15		8	12.82
10.26	19.11		3	14.01
9.86	18.02		4	12.43
10.13	19.62		2	14.54

Mrtvé D4	Zblbé D4	Teplota	Pesticid	Koncentrace	Vyschlá miska
0	0	0	19 Kontrola		3.986
4	0	0	19 Pictor	1x	4.161
0	0	0	19 Pictor	2x	4.098
9	0	0	19 Prosaro	1x	4.105
7	0	0	19 Prosaro	2x	4.19
6	0	0	19 Prosaro	4x	4.388
1	0	0	23 Pictor	1x	3.139
2	0	0	23 Pictor	4x	4.283
			23 Prosaro	1x	4.335
5	0	0	23 Prosaro	4x	4.174
1	0	0	27 Pictor	1x	4.055
8	0	0	27 Pictor	2x	4.162
3	0	0	27 Pictor	4x	4.123
4	0	0	27 Prosaro	1x	4.223
2	0	0	27 Prosaro	4x	4.078

Vypláchnutá miska Počet včel na konci

3.986	10
4.158	6
4.097	9
4.052	1
4.144	3
4.295	4
3.138	8
4.202	8
4.278	0
4.071	4
4.054	7
4.064	2
4.121	6
4.148	6
4.077	8

Krabice	Start	Série	Včel	Krabice	Potrava D0	Mrtvé D0
TEST 1D1	5/17/2023	TEST 1		10 D1	13.11	0
TEST 1D2	5/17/2023	TEST 1		10 D2	11.94	0
TEST 1D4	5/17/2023	TEST 1		10 D4	13.03	0
TEST 1D5	5/17/2023	TEST 1		10 D5	12.59	0
TEST 1D6	5/17/2023	TEST 1		10 D6	12.63	0
TEST 1D7	5/17/2023	TEST 1		10 D7	11.84	0
TEST 1D8	5/17/2023	TEST 1		10 D8	12.63	0
TEST 1D9	5/17/2023	TEST 1		10 D9	11.93	0
TEST 1D10	5/17/2023	TEST 1		10 D10	12.01	0
TEST 2D2	5/30/2023	TEST 2		10 D2	12.08	0
TEST 2D3	5/30/2023	TEST 2		10 D3	11.99	0
TEST 2D4	5/30/2023	TEST 2		10 D4	12.79	0
TEST 2D5	5/30/2023	TEST 2		10 D5	11.98	0
TEST 2D6	5/30/2023	TEST 2		10 D6	13.13	0
TEST 2D7	5/30/2023	TEST 2		10 D7	13.13	0
TEST 2D8	5/30/2023	TEST 2		10 D8	11.98	0
TEST 2D9	5/30/2023	TEST 2		10 D9	12.01	0
TEST 3D2	7/11/2023	TEST 3		10 D2	13.04	2
TEST 3D3	7/11/2023	TEST 3		10 D3	12.77	5
TEST 3D4	7/11/2023	TEST 3		10 D4	13.01	1
TEST 3D5	7/11/2023	TEST 3		10 D5	12.92	0
TEST 3D6	7/11/2023	TEST 3		10 D6	12.97	2
TEST 3D7	7/11/2023	TEST 3		10 D7	13.22	1
TEST 3D8	7/11/2023	TEST 3		10 D8	13.06	7
TEST 3D9	7/11/2023	TEST 3		10 D9	12.69	4
TEST 3D10	7/11/2023	TEST 3		10 D10	13.13	10
TEST 3D11	7/11/2023	TEST 3		10 D11	13.00	5
TEST 3D12	7/11/2023	TEST 3		10 D12	13.09	4
TEST 3D13	7/11/2023	TEST 3		10 D13	13.02	7
TEST 3D14	7/11/2023	TEST 3		10 D14	13.01	0
TEST 3D15	7/11/2023	TEST 3		10 D15	13.16	4
TEST 4D2	7/18/2023	TEST 4		10 D2	12.86	2
TEST 4D3	7/18/2023	TEST 4		9 D3	13.07	0
TEST 4D4	7/18/2023	TEST 4		10 D4	13.09	1
TEST 4D5	7/18/2023	TEST 4		10 D5	13.12	2
TEST 4D6	7/18/2023	TEST 4		10 D6	13.02	0
TEST 4D7	7/18/2023	TEST 4		9 D7	13.06	1
TEST 4D8	7/18/2023	TEST 4		10 D8	12.94	1
TEST 4D9	7/18/2023	TEST 4		10 D9	12.99	9
TEST 4D10	7/18/2023	TEST 4		9 D10	13.04	3
TEST 4D11	7/18/2023	TEST 4		8 D11	13.07	1
TEST 4D12	7/18/2023	TEST 4		10 D12	12.97	4
TEST 4D13	7/18/2023	TEST 4		9 D13	12.89	3
TEST 4D14	7/18/2023	TEST 4		10 D14	12.91	2

TEST 4D15

7/18/2023 TEST 4

10 D15

12.96

2

Zblblé D0	Stará potrava	Nová potrava	Mrtvé D1	Zblblé D1	Stará potrava	Nová potrava	
1	11.35	12.02		2	1	10.37	19.31
0	10.2	12.62		0	0	9.52	19.72
0	10.49	12.91		0	0	10.41	19.40
0	10.84	13.02		0	0	9.91	19.22
0	10.68	12.51		1	0	10.82	19.05
0	9.16	12.94		7	0	10.35	18.62
0	9.40	13.18		1	0	10.30	18.29
0	8.78	11.98		0	0	10.04	18.35
0	8.84	12.05		1	0	10.37	18.21
0	8.75	12.14		0	0	9.19	18.20
0	10.02	13.00		1	0	11.15	19.30
0	9.93	12.13		0	0	9.55	18.39
2	10.17	13.12		0	2	11.37	19.27
6	11.71	11.93		0	0	9.96	18.33
0	9.87	11.93		1	0	8.95	18.31
0	8.65	12.18		0	0	9.45	18.36
1	8.45	12.04		1	0	9.02	18.42
6	11.94	13.1		6	0	11.88	20.49
2	10.62	12.99		8	0	11.95	20.48
1	10.27	12.95		4	0	11.68	20.75
0	11.22	13.19		0	1	11.46	20.21
0	11.68	12.99		4	0	10.44	20.66
1	11.27	13.04		5	0	11.68	20.58
0	9.87	13		7	0	10.1	20.66
0	9.51	13.02		4	1	10.43	20.4
0 NA	NA			10	0 NA	NA	
0	9.82	13.05		5	0	10.9	20.69
0	9.77	13.04		4	0	10.1	20.58
0	11.16	12.91		7	0	11.08	20.74
1	9.36	12.99		0	0	9.79	20.57
2	9.89	12.92		4	0	9.7	20.47
1	11.25	13.12		4	0	11.48	18.07
0	10.74	13.05		0	0	10.14	19.02
5	10.55	13.11		5	3	11.86	19.18
1	11.92	12.98		4	1	10.8	18.07
5	11.14	12.87		2	2	11.2	18.12
0	9.80	13.05		1	0	9.94	18.87
0	9.58	15.53		2	0	11.62	19.06
1	10.84	12.97		10	0 NA	NA	
2	10.49	12.53		5	0	10.33	18.12
0	9.69	12.98		1	0	9.74	17.93
0	10.34	13.00		8	0	10.69	18.15
0	10.21	13.01		3	0	10.26	19.11
3	10.48	13.00		4	0	9.86	18.02

1	9.45	13.01	2	0	10.13	19.62
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Mrtvé D2	Zblblé D2	Stará potrava	Mrtvé D4	Zblblé D4	Teplota	Pesticid
2	0	15.69	3	0	T23	Prosaro
0	0	14.46	0	0	T23	Mospilan
0	0	15.36	0	0	T19	Pictor
0	0	13.97	0	0	T19	Prosaro
1	0	15.31	2	0	T23	Prosaro
7	0	13.31	7	0	T19	Pictor
1	0	12.84	1	0	T23	Pictor
0	0	13.29	0	2	T23	Pictor
1	0	14.37	1	0	T19	Prosaro
0	0	12.55	0	0	aT27	Pictor
1	0	15.25	1	0	T23	Pictor
0	0	13.10	1	0	aT27	Prosaro
1	0	15.46	1	0	T23	Prosaro
0	0	13.96	0	0	T23	Prosaro
1	0	12.61	1	0	T23	Pictor
0	0	12.88	1	0	aT27	Prosaro
1	0	12.79	1	0	aT27	Pictor
6	0	15.9	7	0	T19	Mospilan
9	0	18.44	10	0	T19	Mospilan
8	0	18.9	8	0	T19	Mospilan
1	0	15.55	1	0	T19	Pictor
8	0	17.74	9	0	T19	Prosaro
5	0	15.75	5	0	T19	Pictor
7	0	16.35	7	0	aT27	Mospilan
5	0	14.8	5	0	aT27	Mospilan
10	0 NA		10	0	aT27	Mospilan
5	0	15.7	5	0	aT27	Pictor
4	0	15.48	4	0	aT27	Prosaro
7	0	14.88	7	0	aT27	Prosaro
0	0	15.15	0	0	T23	Mospilan
5	0	15.01	6	0	T23	Mospilan
4	0	14.57	4	0	T19	Pictor
0	0	15.15	0	0	T19	Pictor
9	0	16.44	9	0	T19	Prosaro
5	0	13.22	7	0	T19	Prosaro
5	1	14.36	6	0	T19	Prosaro
1	0	13.42	1	0	T23	Pictor
2	0	13.51	2	0	T23	Pictor
10	0 NA		10	0	T23	Prosaro
5	0	13.06	5	0	T23	Prosaro
1	0	12.75	1	0	aT27	Pictor
8	0	12.82	8	0	aT27	Pictor
3	0	14.01	3	0	aT27	Pictor
4	0	12.43	4	0	aT27	Prosaro

2

0

14.54

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0 aT27

Prosaro

Koncentrace	Vyschlá miska	Vypláchnutá	Remained	Počet včel na konci
1	4.006	3.986	0.02	7
2	3.507	3.384	0.123	10
1	4.055	4.052	0.003	10
1	4.265	4.143	0.122	10
2	4.364	4.295	0.069	8
2	3.262	3.139	0.123	3
1	4.407	4.282	0.124	9
2	4.280	4.279	0.001	10
2	3.445	3.329	0.116	9
4	4.164	4.161	0.003	10
4	4.128	4.107	0.021	9
4	4.173	4.053	0.12	9
4	4.217	4.147	0.07	9
2	4.366	4.297	0.069	10
2	3.142	3.139	0.003	9
2	4.391	4.301	0.09	9
2	4.281	4.277	0.004	9
0.5	4.178	4.158	0.02	3
1	4.169	4.098	0.071	0
2	4.096	4.053	0.043	2
4	4.178	4.143	0.035	9
4	4.332	4.295	0.037	1
4	3.267	3.138	0.124	5
0.5	4.343	4.281	0.062	3
1	4.319	4.279	0.04	5
2	4.166	4.072	0.094	0
1	4.056	4.054	0.002	5
1	4.145	4.063	0.082	6
2	4.171	4.121	0.05	3
0.5	4.179	4.148	0.031	10
1	4.103	4.078	0.025	4
1	4.161	4.158	0.003	6
2	4.098	4.097	0.001	9
1	4.105	4.052	0.053	1
2	4.19	4.144	0.046	3
4	4.388	4.295	0.093	4
1	3.139	3.138	0.001	8
4	4.283	4.202	0.081	8
1	4.335	4.278	0.057	0
4	4.174	4.071	0.103	4
1	4.055	4.054	0.001	7
2	4.162	4.064	0.098	2
4	4.123	4.121	0.002	6
1	4.223	4.148	0.075	6

4

4.078

4.077

0.001

8

Mortalita 4 Den

	Kontrola	Pictor	Mospilan	p Teplota	p Pesticid
Pictor		0.0097		0.36451	0.00028
Mospilan	<0,001	0.0195			
Prosaro	0.00076	0.08214	0.26063		

Mortalita 2 Den - pozn. srovnání bez kontroly

	Kontrola	Pictor	Mospilan	p Teplota	p Pesticid
Pictor	x			0,500	0,082
Mospilan	x	0,031			
Prosaro	x	0,195	0,233		

Mortalita 1 Den - pozn. srovnání bez kontroly

	Kontrola	Pictor	Mospilan	p Teplota	p Pesticid
Pictor	x			0,634	0,286
Mospilan	x	0,11			
Prosaro	x	0,53	0,27		

Mortalita 0 Den - pozn. srovnání bez kontroly

	Kontrola	Pictor	Mospilan	p Teplota	p Pesticid	p Teplota*Pesticidy
Pictor	x			0,0012	0,1152	0,6647
Mospilan	x	0,0173				
Prosaro	x	0,22365	0,2405			

Teplota 0 Den

	T19	T23
T23	0,829	
T27	0,00044	0,048

Teplota 1 Den

	T19	T23
T23	0,145	
T27	0,616	0,075

Teplota 2 Den

	T19	T23
T23	0,0216	
T27	0,4873	0,0833

Teplota 4 Den

	T19	T23
T23	0,0142	
T27	0,3424	0,0853

```

> m1<-geeglm(survrate4 ~ consumeddoseperbee+Pesticid+Teplota, family=binomial, id=Krabice)
> QIC(m1)
  QIC  QICu Quasi Lik  CIC  params  QICC
153.1  65.6  -27.8  48.7   5.0  154.6
> m1<-geeglm(survrate4 ~ consumeddoseperbee+Pesticid+poly(Teplota,2), family=binomial, id=Kral)
> QIC(m1)
  QIC  QICu Quasi Lik  CIC  params  QICC
174.5  65.3  -26.6  60.6   6.0  176.7
> m1<-geeglm(survrate2 ~ consumeddoseperbee+Pesticid+poly(Teplota,2), family=binomial, id=Kral)
> QIC(m1)
  QIC  QICu Quasi Lik  CIC  params  QICC
172.0  64.9  -26.4  59.6   6.0  174.2
> m1<-geeglm(survrate2 ~ consumeddoseperbee+Pesticid+Teplota, family=binomial, id=Krabice)
> QIC(m1)
  QIC  QICu Quasi Lik  CIC  params  QICC
152.4  65.2  -27.6  48.6   5.0  154.0
> m1<-geeglm(survrate0 ~ consumeddoseperbee+Pesticid+Teplota, family=binomial, id=Krabice)
> QIC(m1)
  QIC  QICu Quasi Lik  CIC  params  QICC
143.7  47.7  -18.9  53.0   5.0  145.2
> m1<-geeglm(survrate0 ~ consumeddoseperbee+Pesticid+poly(Teplota,2), family=binomial, id=Kral)
> QIC(m1)
  QIC  QICu Quasi Lik  CIC  params  QICC
164.5  49.3  -18.7  63.6   6.0  166.7
> m1<-geeglm(survrate1 ~ consumeddoseperbee+Pesticid+poly(Teplota,2), family=binomial, id=Kral)
> QIC(m1)
  QIC  QICu Quasi Lik  CIC  params  QICC
167.1  63.5  -25.8  57.8   6.0  169.3
> m1<-geeglm(survrate1 ~ consumeddoseperbee+Pesticid+Teplota, family=binomial, id=Krabice)
> QIC(m1)
  QIC  QICu Quasi Lik  CIC  params  QICC
148.9  62.9  -26.5  48.0   5.0  150.4

```

	Moribundní		
	T19	T23	
T23	0,42927		
T27	0,02568	0,10104	
Anova			
Pesticid	0,001		
Teplota	0,083		
Zblbě			
	Moribundní	Pictor	Mospilan
Pictor	x		
Mospilan	x	0,00261	
Prosaro	x	0,00026	0,69904

bice)

bice)

bice)

bice)