序

98

53　55　　(

)

58

所長

謹識

目　　錄

Ⅰ 水稻

病害類

蟲害類

雜草類

Ⅱ 雜糧作物

病害類

蟲害類

III 蔬菜

病害類

蟲害類

Ⅳ 果樹

病害類

蟲害類

雜草類

Ⅴ 花卉

病害類

Ⅵ 特用作物

病害類

蟲害類

Ⅶ 其 他

有害動物防除

雜草防除

Ⅷ 保留案

蟲害類

Ⅰ　水　稲

病害類

Gibberella fujikuroi (Sawada) S.Ito

(　)

	97　3　4	11
	97　7　8	71
	97　4　5	

*

(　)

1.

1×10^{10} cfu/ml AL

2.　　2　1　4

3.

30　50　8

200

7

4.

①　14　21

②　21　5　12
60　(　mm)

③

5.

1%　5%

(　)

14

		/								
			5%	1%		5%	1%		5%	1%
①										
1×10^{10} cfu/ml	AL 30	25.0	a	a	60.5	a	a	24.9	a	a
1×10^{10} cfu/ml	AL 200									
②										
1×10^{10} cfu/ml	AL 50	21.3	a	a	110.0	b	ab	19.6	a	a
1×10^{10} cfu/ml	AL 200									
③C.K		31.5	a	a	149.5	c	b	36.1	a	a

21

		/								
			5%	1%		5%	1%		5%	1%
①										
1×10^{10} cfu/ml	AL 30	24.8	a	a	201.8	a	a	17.3	a	a
1×10^{10} cfu/ml	AL 200									
②										
1×10^{10} cfu/ml	AL 50	34.5	a	ab	346.5	b	a	19.5	a	a
1×10^{10} cfu/ml	AL 200									
③C.K		56.8	b	b	374.3	b	a	20.0	a	a

21

		(mm)								
			5%	1%		5%	1%		5%	1%
①										
1×10^{10} cfu/ml	AL 30	147	a	a	217	a	a	46.0	a	a
1×10^{10} cfu/ml	AL 200									
②										
1×10^{10} cfu/ml	AL 50	150	a	a	218	a	a	46.6	a	a
1×10^{10} cfu/ml	AL 200									
③C.K		157	a	a	244	b	a	47.3	a	a

( )

		( )		
1×10^{10} cfu/ml AL (*Bacillus subtilis* strain WG6-14)	2.5	200	1. 30 8 2. 200 7	

Pyricularia oryzae Cav.

( )

	91 2 6	8
	91 3 6	67
	91	14
	91 3 6	139

*

( )

1.

BAS 546 05F	20% SC	
	40% WP	
	75% WP	

2. 4 20

3.

①20% BAS 546 05F SC	1.0 1.2	1000
②20% BAS 546 05F SC	0.67 0.80	1500
③40% WP	0.67 0.80	1500 3000
④75% WP	0.33 0.40	3000
⑤C.K		

4. 10
7

5.

6.

①

a.
10 40

b. 40 1/3

(%) / ×100

② 0

③

7. Duncan's
5% 1%

( )

	(%)			
①20% BAS 546 05F SC 1000	0.14a	0.03a	0.12ab	2.2a
②20% BAS 546 05F SC 1500	0.13a	0.03a	0.14b	2.3a
③40% WP 1500	0.15a	0.03a	0.11a	2.4a
④75% WP 3000	0.19a	0.03a	0.14ab	2.3a
⑤C.K	0.14a	0.02a	0.12ab	2.4a

			(%)	
①20% BAS 546 05F SC 1000	3.51a	0.1a	0.29ab	8.1a
②20% BAS 546 05F SC 1500	4.30a	0.1a	0.27a	9.1ab
③40% WP 1500	4.64a	0.1a	0.36b	8.9ab
④75% WP 3000	4.13a	0.2a	0.33ab	8.8ab
⑤C.K	5.00a	1.3b	1.32c	11.1b

10

			(%)	
①20% BAS 546 05F SC 1000	4.25a	0.2a	0.25a	11.4a
②20% BAS 546 05F SC 1500	6.15b	0.4a	0.27a	11.9a
③40% WP 1500	5.68ab	0.4a	0.32a	11.4a
④75% WP 3000	5.19ab	0.6a	0.29a	13.4a
⑤C.K	6.38b	14.7b	2.07b	18.8b

			(%)	
①20% BAS 546 05F SC 1000	1.13a	4.7a	0.19a	5.7a
②20% BAS 546 05F SC 1500	1.91b	13.3bc	0.26a	9.7a
③40% WP 1500	1.82b	20.8c	0.32a	14.0a
④75% WP 3000	1.12a	11.7b	0.26a	9.5a
⑤C.K	1.16a	53.1d	1.12b	33.2b

①20% BAS 546 05F SC 1000	5540a	5423a	6390a	6545.5a
②20% BAS 546 05F SC 1500	5448ab	5389ab	6357a	6978.1a
③40% WP 1500	5390b	5385b	6354a	5739.5a
④75% WP 3000	5446ab	5418ab	6362a	7051.4a
⑤C.K	5321b	5223c	5625b	5014.7a

( )

		( )		
20% SC (fenoxanil)	0.67 0.8	1500	1. 10 2. 7	21

Thanatephorus cucumeris (Frank) Donk
Rhizoctonia solani Kuhn

( )

	97 5 6 10
	97 14
	97

*

( )

1.

	75g/L EC
	23% SC

2. 20 4
3. 10
4. ( )

①

10 40 5

N

n1 2 3 4

n2 2 3 4

n3 3 4

$$(\%) \quad \left(\frac{3n1 \quad 2n2 \quad n1 \quad 0n4}{3 \times N} \right) \times 100$$

② 0

③

5. Duncan's

5%

( )

		(%)								
			5%	1%		5%	1%		5%	1%
①75g/L	EC 750	1.0	a	a	16.2	a	a	2.0	a	a
②75g/L	EC 1000	1.6	a	a	15.7	a	a	2.1	a	a
③23%	SC 4000	1.3	a	a	18.9	a	a	1.9	a	a
④C.K		1.5	a	a	19.4	a	a	2.0	a	a

		(%)								
			5%	1%		5%	1%		5%	1%
①75g/L	EC 750	1.4	a	a	9.1	a	a	10.2	a	a
②75g/L	EC 1000	2.1	a	a	9.3	a	a	5.3	a	a
③23%	SC 4000	1.5	a	a	8.8	a	a	4.4	a	a
④C.K		32.1	b	b	23.7	b	b	6.0	a	a

10

		(%)								
			5%	1%		5%	1%		5%	1%
①75g/L	EC 750	1.8	a	a	3.3	a	a	4.8	b	b
②75g/L	EC 1000	2.6	a	a	2.4	a	a	6.5	b	b
③23%	SC 4000	1.8	a	a	6.3	a	a	8.4	b	b
④C.K		39.1	b	b	22.6	b	b	17.7	a	a

		(/)			
①75g/L	EC 750	4655a	6729a	5384a	5589.33
②75g/L	EC 1000	4575a	7219a	5055a	5616.33
③23%	SC 4000	4652a	7229a	5303a	5728.00
④C.K		3651b	6479a	5276a	5135.33

( )

		( )		
75g/L EC (epoxiconazole)	1.0-1.2	1000	10	10

Thanatephorus cucumeris (Frank) Donk
Rhizoctonia solani Kuhn

( )

	88		14
	88		5
	88	8 12	14
	90	3 6	205

*

( )

1.

Greatam	2% GR
	1% MG

2. 20 4

3.

①2% Greatam GR	20	1		3-5
			3-5	
②2% Greatam GR	30	1		3-5
			3-5	
③2% Greatam GR	40	1		3-5
			3-5	
④1% MG	30-40	2		3-5
			3-5	
⑤C.K				

4. (3-5)
40 3-4

5.
①
② 8-14

6.
① 10
40
(%) / ×100
② 10

③ 5 0 + ++ +++ ++++
④

7. Duncan's 5% 1%

( )

①2% Greatam GR 20	56.9	20.89	18.43	35.2	32.86
②2% Greatam GR 30	58.7	16.03	22.73	49.3	36.69
③2% Greatam GR 40	54.5	19.92	21.34	36.4	33.04
④1% MG 30-40	51.2	19.72	16.64	43.5	32.77
⑤C.K	61.7	16.71	25.84	56.7	40.24

①2% Greatam GR 20	19.4	13.63	7.82	31.9	18.19
②2% Greatam GR 30	19.4	12.35	9.26	37.4	19.60
③2% Greatam GR 40	20.6	13.36	8.86	32.7	18.88
④1% MG 30-40	20.6	13.29	11.48	33.0	19.59
⑤C.K	20.3	13.01	10.78	36.9	20.25

10

①2% Greatam GR 20	100	18.34	37.11	43.4	49.71
②2% Greatam GR 30	100	14.52	40.02	43.2	49.44
③2% Greatam GR 40	96.6	14.15	46.15	65.0	55.48
④1% MG 30-40	98.4	22.57	33.33	19.4	43.43
⑤C.K	100	39.37	53.92	78.9	68.05

10

①2% Greatam GR 20	56.0	16.75	16.43	43.4	33.15
②2% Greatam GR 30	57.1	15.11	16.82	39.1	32.03
③2% Greatam GR 40	50.4	15.21	17.55	45.8	32.24
④1% MG 30-40	53.2	18.93	14.81	23.7	27.66
⑤C.K	60.4	24.28	22.83	49.1	39.15

①2% Greatam GR 20	41.8	40.86	26.51	63.4	43.14
②2% Greatam GR 30	33.1	32.00	19.98	59.6	36.17
③2% Greatam GR 40	31.5	19.58	18.05	61.2	32.58
④1% MG 30-40	66.0	60.84	28.28	64.9	55.01
⑤C.K	77.2	68.94	49.65	65.2	65.25

①2% Greatam GR 20	4228	5596	5615	1212	4162.8
②2% Greatam GR 30	4511	5752	5551	1088	4225.5
③2% Greatam GR 40	4521	5700	5401	1150	4193.0
④1% MG 30-40	3754	4964	5455	1113	3821.5
⑤C.K	3634	5062	4710	925	3582.8

( )

		( )		
2% GR (thifluzamide)	30		3-5 3-5	14

蟲害類

Nilaparvata lugens (Stal)

( )

97 10 11	11
97 7 11	梗14號
97 11 12	梗8號

*

( )

1.

20% SG
16% SG
10% SG

2. 40 4

3. 5
20

4.

① 3 7 14
20

$$(\%)\quad 1\quad \left(\frac{\times}{\times}\right)\times 100$$

②

5. (x) (x 0.5)$^{1/2}$ 方分析
(P.S.) 5%

( )

( )/

①20%	SG 3000	5.45a	2.53a	5.4a
②20%	SG 2000	4.69a	2.49a	5.2a
③16%	SG 3000	4.65a	2.76a	5.3a
④10%	SG 4000	4.71a	3.01a	5.5a
⑤C.K		4.83a	2.63a	5.4a

3

						(%)		
①20%	SG 3000	0.25a	0.45a	0.4a	93.1	87.5	92.0	90.87
②20%	SG 2000	0.28a	0.49a	0.7a	91.2	86.2	85.5	87.63
③16%	SG 3000	0.43ab	0.21a	0.8a	86.3	94.7	83.7	88.23
④10%	SG 4000	0.83b	0.56a	0.7a	73.8	86.9	86.3	82.33
⑤C.K		3.23c	3.36b	5.0b				

7

					(%)			
①20%	SG 3000	0.18a	0.63a	0.5a	95.6	91.4	89.8	92.27
②20%	SG 2000	0.43a	0.75a	0.5a	87.5	89.6	89.4	88.83
③16%	SG 3000	0.48a	1.13a	0.5a	85.9	85.8	89.6	87.10
④10%	SG 4000	1.00a	1.99a	0.3a	70.8	77.1	94.0	80.63
⑤C.K		3.50b	6.81b	4.9b				

14

					(%)			
①20%	SG 3000	0.05a	0.95a	0.3a	99.0	94.1	93.2	95.43
②20%	SG 2000	0.28a	1.00a	0.4a	93.5	93.6	90.6	92.57
③16%	SG 3000	0.30a	1.64ab	0.2a	92.9	90.6	95.4	92.97
④10%	SG 4000	0.68a	2.79b	0.4a	84.2	85.3	91.1	86.87
⑤C.K		4.38b	14.91c	4.4b				

( )

		( )		
20% SG (dinotefuran)	0.4	3000	5 20	14

雜草類

( )

	96	9
	96	11
	96	145

*

( )

1.

0.12% GR
5% GR

2. 4 10

3.

(/)

①0.12%	GR	25		2-3		
			3-5		3-5	
②0.12%	GR	30		2-3		
			3-5		3-5	
③5%	GR	30				
④				3-4		
⑤						

4.

①

a.

b. 10

c. 13%

②

a. 10-15 0.5-1.0 2
30-35

b.

5. (5%)

( )

( )

		( )						( )					
①0.12%	GR	91	95	95	95	94	98	29	15	29	19	27	16
②0.12%	GR	91	96	95	91	92	99	27	15	28	18	27	16
③5%	GR	93	95	97	92	92	100	27	14	28	18	27	15
④		93	95	96	92	90	98	28	15	28	17	28	16
⑤		93	95	97	93	92	99	29	13	29	14	29	16

		(/m²)					(g/m²)				
①0.12%	GR	48ac	9a	18b	15ab	2a	106b	23b	499b	60ab	68a
②0.12%	GR	17bc	9a	18b	6ab	1a	10c	13b	357b	26a	6a
③5%	GR	12c	9a	37ab	1a	1a	126b	33b	682b	0a	47a
④		34bc	0b	0c	0a	0a	50bc	0c	0c	0a	0a
⑤		88a	25a	82a	26b	31b	1390a	43a	2693a	137b	1206b

35-40 30-35

( )

①0.12%	GR	6309a	2923a	7894a	4278a	7703a	5055a
②0.12%	GR	6451a	2997a	7242a	4066a	7555a	5444a
③5%	GR	6355a	2994a	6899a	4186a	8222a	5444a
④		6618a	3128a	7056a	3823a	8148a	5000a
⑤		6092a	2960a	7214a	2012b	7778a	5333a

( )

1.

2.

3.

0.12% GR 30 5%
GR

0.12% penoxsulam GR
5% GR
0.12% penoxsulam GR
5% GR

0.12% penoxsulam GR 25 30
0.12% penoxsulam GR

94.4% 1

4.

0.12% GR
30
0.12% penoxsulam GR 25 5%
GR 30
25 0.12% penoxsulam GR

0.12% penoxsulam GR 5% GR

5.

0.12% GR(penoxsulam) 30 ( )

( )

0.12% GR (penoxsulam)	30		2-3		

II　雑穀作物

病害類

Mycosphaerella arachidicola (Hori) Jenk
Mycosphaerella berkeleyii Jenk

(　)

	96　5　7	1
	97　5　6	14
	96　10　11	9

*

(　)

1.

	47.5% OD
腈	40% SC

2.　　20　　4

3.　　7-10

4.　　(　　)

①　　7

30

0　　1　　1-5%　2

6-25%　3　　26-50%　4

51%

(%)　Σ(　×　)/(4×　)×100

②

5.　　Duncan's

5%

(　)

					(%)					
			5%	1%		5%	1%		5%	1%
①47.5%	OD 400	12.7	a	a	0.4	a	a	1.5	a	a
②47.5%	OD 600	12.7	a	a	0.6	a	a	1.4	a	a
③40%	腈 SC 700	11.7	a	a	0.2	a	a	1.2	a	a
④C.K		10.8	a	a	0.6	a	a	1.3	a	a

					(%)					
			5%	1%		5%	1%		5%	1%
①47.5%	OD 400	15.0	a	a	0.4	a	a	2.2	a	a
②47.5%	OD 600	17.1	a	a	0.8	a	a	2.6	a	a
③40%	腈 SC 700	15.7	a	a	0.4	a	a	2.8	a	a
④C.K		19.2	a	a	0.8	a	a	15.4	b	b

7

					(%)					
			5%	1%		5%	1%		5%	1%
①47.5%	OD 400	19.2	a	a	0.8	a	a	3.1	a	a
②47.5%	OD 600	19.4	a	a	1.0	a	a	3.8	a	a
③40%	腈 SC 700	22.1	a	a	0.8	a	a	3.7	a	a
④C.K		34.8	b	b	1.2	a	a	20.3	b	b

( )

		( )		
47.5% OD (mancozeb)	1.2	600	7	3

Mycosphaerella arachidicola (Hori) Jenk
Mycosphaerella berkeleyii Jenk

( )

	96 6 8	11
	97 5 6	14
	96 5 7	1

*

( )

1.

	48.9% SC
腈	40% SC

2. 20 4

3. 7-10

4. ( )

① 7

30

0 1 1-5% 2 6-25%
3 26-50% 4 51%

(%) Σ(×)/(4×)×100

②

5. Duncan's

1% 5%

( )

		(%)								
			5%	1%		5%	1%		5%	1%
①48.9%	SC 500	4.5	a	a	0.2	a	a	12.5	a	a
②48.9%	SC 750	5.0	a	a	0.2	a	a	12.5	a	a
③40%	腈 SC 700	3.8	a	a	0.2	a	a	11.7	a	a
④C.K		5.3	a	a	0.6	a	a	10.8	a	a

					(%)					
			5%	1%		5%	1%		5%	1%
①48.9%	SC 500	11.3	a	ab	0.2	a	a	16.1	a	a
②48.9%	SC 750	9.0	a	a	0.8	a	a	16.3	a	a
③40%	腈 SC 700	10.5	a	a	0.4	a	a	15.7	a	a
④C.K		19.3	b	b	0.8	a	a	19.2	a	a

7

					(%)					
			5%	1%		5%	1%		5%	1%
①48.9%	SC 500	15.5	a	a	0.4	a	a	19.4	a	a
②48.9%	SC 750	15.8	a	a	0.8	a	a	19.2	a	a
③40%	腈 SC 700	14.5	a	a	0.8	a	a	22.1	a	a
④C.K		41.8	b	b	1.2	a	a	34.8	b	b

( )

		( )		
48.9% SC (flutolanil + chlorothalonil)	1.2	750	7-10	7

銹 *Puccinia arachidis* Speq.

( )

96 6 8	11
97 5 6	14
96 5 6	1

*

( )

1.

48.9% SC
5% SC

2. 20 4

3. 7-10

4. ( )

① 14

30

0 1 1-5% 2

6-15% 3 16-30% 4 31-50%

5 51%

(%) Σ(×)/(5 ×) × 100

②

5. Duncan's

1% 5%

( )

錆

			(%)							
				5%	1%		5%	1%		5%	1%
①48.9%	SC 500	17.5	a	a	0	a	a	0	a	a
②48.9%	SC 750	16.3	a	a	0	a	a	0	a	a
③5%	SC 1500	17.8	a	a	0	a	a	0	a	a
④C.K		16.0	a	a	0	a	a	0	a	a

錆

			(%)							
				5%	1%		5%	1%		5%	1%
①48.9%	SC 500	27.5	a	a	7.0	a	a	0	a	a
②48.9%	SC 750	29.5	ab	a	8.8	a	a	0	a	a
③5%	SC 1500	34.3	ab	a	7.5	a	a	0	a	a
④C.K		38.8	b	a	8.5	a	a	0	a	a

14 銹

	(%)								
		5%	1%		5%	1%		5%	1%
①48.9% SC 500	23.8	a	a	26.5	a	a	25.1	a	a
②48.9% SC 750	24.5	a	a	33.5	b	a	25.7	a	a
③5% SC 1500	31.0	a	a	56.3	c	b	27.0	a	a
④C.K	52.5	b	b	72.5	d	c	62.7	b	b

( )

銹

		( )		
48.9% SC (flutolanil + chlorothalonil)	1.2	750	7-10	7

蟲害類

Harpedona marginata Distant

( )

95 9 ( )

*

( )

1.

40.8% EC	1000
2.4% SC	1000
50% EC	1000
10% SC	1500

2. 10
5 4

3. 7-10
1200

4.

① 7 14 10
10 ( )

$$(\%)\ 1\ \left(\frac{\times}{\times}\right)\times 100$$

②

5. $(x\ 0.5)^{1/2}$ (ANOVA)
Duncan's 5%

( )

①40.8%	EC 1000	218a
②2.4%	SC 1000	180a
③50%	EC 1000	162a
④10%	SC 1500	229a
⑤C.K		161a

		7	7	14
①40.8%	EC 1000	155a	1.25a	3.5a
②2.4%	SC 1000	63a	0a	0.5a
③50%	EC 1000	74a	1.25a	23a
④10%	SC 1500	68a	0a	0a
⑤C.K		362b	156b	142b

		7	7	14
①40.8%	EC 1000	68	99	98
②2.4%	SC 1000	84	100	99
③50%	EC 1000	88	99	84
④10%	SC 1500	86	100	100
⑤C.K				

( )

		( )		
40.8% EC (chlorpyrifos)	1-1.5	1000	7	6
2.4% SC (deltamethrin)	1-1.5	1000	7	6
50% EC (fenitrothion)	1-1.5	1000	7	6
10% SC (chlorfenapyr)	0.8-1.0	1500	7	6

Chilo suppressalis

( )

啓吉	96	10-12

*

( )

1.

	50% SP	500
	50% SP	1000
	50% EC	500
	50% EC	1000

2. 20 4

3. 7

4.

( )

		( )		
50% SP (cartap)	1.2	1000	7	6
50% EC (fenthion)	1.2	1000	7	9

III 蔬 菜

病害類

Peronospora brassicae Gaumann

( )

	97 4 5	(8)
	97 2 4	
	97 3 4	

*

( )

1.

	18.7% WG
	23% SC

2. 30 4

3. 7

4.

① 7

20 5

0 1 1/4 2

1/4-1/2 3 1/2

(%) Σ(×)/(3×)×100

②

5. Duncan's

1% 5%

( )

					(%)					
			5%	1%		5%	1%		5%	1%
①18.7%	WG 1000	0	a	a	1.0	a	a	0.3	a	a
②18.7%	WG 1500	0	a	a	1.5	a	a	0.5	a	a
③23%	SC 2000	0	a	a	1.0	a	a	0.5	a	a
④C.K		2	b	b	5.5	b	b	0.4	a	a

					(%)					
			5%	1%		5%	1%		5%	1%
①18.7%	WG 1000	1.0	a	a	1.0	a	a	0.5	a	a
②18.7%	WG 1500	2.9	b	b	0.5	a	a	0.7	a	a
③23%	SC 2000	4.8	c	c	0.5	a	a	0.7	a	a
④C.K		10.7	d	d	6.0	b	b	0.8	a	a

7

					(%)					
			5%	1%		5%	1%		5%	1%
①18.7%	WG 1000	1.3	a	a	1.0	a	a	1.0	a	a
②18.7%	WG 1500	4.5	b	b	0.8	a	a	1.1	a	a
③23%	SC 2000	5.8	c	c	1.5	a	a	1.0	a	a
④C.K		21.3	d	d	13.8	b	b	1.2	a	a

( )

		( )		
18.7% WG (pyraclostrobin + dimethomorph)	0.66-0.8	1500	7	9

Didymella bryoniae (Auersw.) Rehm
Phoma cucurbitacearum (Fr.) Sacc.

( )

	97 3 4	( )
	97 9 10	
鄭安秀	96 9 10	

*

( )

1.

Pristine	38% WG

2. 20 4
3. 7
4.
① 7
10
3 30 2
30 1 0
10 0
1 1-5% 2 6-15% 3 16-30%
4 31-50% 5 51%

(%) Σ(×)/(3×)×100
(%) Σ(×)/(5×)×100

②

5. (ANOVA)
Duncan's 1% 5%

( )

	(%)								
		5%	1%		5%	1%		5%	1%
①38% Pristine WG 1000	1.8	a	a	0			21.7	a	a
②38% Pristine WG 1500	1.9	a	a	0			26.7	a	a
③C.K	1.8	a	a	0			28.3	a	a

	(%)								
		5%	1%		5%	1%		5%	1%
①38% Pristine WG 1000	3.7	a	a	0	a	a			
②38% Pristine WG 1500	3.8	a	a	11.7	a	ab			
③C.K	18.9	b	b	40.8	b	b			

10/6-10/7

7

	(%)								
		5%	1%		5%	1%		5%	1%
①38% Pristine WG 1000	5.1	a	a	14.2	a	a			
②38% Pristine WG 1500	5.5	a	a	22.5	a	a			
③C.K	29.8	b	b	65.8	b	b			

10/6-10/7

( )

		( )		
38% WG (pyraclostrobin + boscalid)	0.65-0.8	1500	7	1. 9 2.

Sphaerotheca fuliginea (Schlecht) Poll

( )

	97 5 6	台南白河	(77)
	97 5 6		( )
鄭安秀	97 4 5		( )

*

( )

1.

	42.37% SC
	11.6% EW
( )	40% WP

2. 20 4

3. 7

4.

① 7

10

10 0 1 1-5% 2

6-15% 3 16-30% 4 31-50%

5 51%

(%) Σ(×)/(5×)×100

②

5. Duncan's

1% 5%

( )

					(%)					
			5%	1%		5%	1%		5%	1%
①42.37%	SC 2500	2.3	a	a	32.6	a	a	25.6	a	a
②42.37%	SC 4000	5.3	a	a	32.6	a	a	22.4	a	a
③11.6%	EW 1500	5.2	a	a	32.6	a	a	26.8	a	a
④40% 1500	( ) WP	4.5	a	a	31.8	a	a	29.7	a	a
⑤C.K		4.2	a	a	31.1	a	a	27.2	a	a

					(%)					
			5%	1%		5%	1%		5%	1%
①42.37%	SC 2500	2.1	a	a	23.3	a	a	7.5	a	a
②42.37%	SC 4000	3.0	a	a	28.1	b	b	9.7	a	a
③11.6%	EW 1500	4.3	ab	a	28.5	b	b	9.1	a	a
④40% 1500	( ) WP	5.3	ab	a	30.5	c	b	7.8	a	a
⑤C.K		7.1	b	b	46.7	d	c	58.2	b	b

7

					(%)					
			5%	1%		5%	1%		5%	1%
①42.37%	SC 2500	1.3	a	a	0	a	a	2.7	a	a
②42.37%	SC 4000	1.3	a	a	1.1	a	a	2.5	a	a
③11.6%	EW 1500	1.7	a	a	0.7	a	a	3.2	a	a
④40% 1500	( ) WP	2.6	a	a	0.3	a	a	3.2	a	a
⑤C.K		32.3	b	b	56.4	b	b	76.4	b	b

( )

		( )		
42.37% SC (metrafenone)	0.25	4000	7	6

Peronoplasmopara cucumis

( )

	97 1 2	( )
	97 5 6	( )
	97 4	( )

*

( )

1.

18.7% WG
52.5% WG
50% WP

2. 20 4

3. 7-10

4.

① 7

10

10 0 1 1-5% 2
6-15% 3 16-30% 4 31-50%
5 51%

(%) Σ(×)/(5 ×) × 100

②

5. Duncan's
1% 5%

( )

						(%)					
			5%	1%		5%	1%		5%	1%
①18.7%	WG 750	11.3	a	a	20.4	a	a	11.5	a	a
②18.7%	WG 1000	12.0	a	a	21.4	a	a	10.5	a	a
③52.5%	WG 2500	15.8	a	a	20.8	a	a	10.1	a	a
④50%	WP 3000	13.9	a	a	20.8	a	a	10.6	a	a
⑤C.K		12.4	a	a	21.2	a	a	10.0	a	a

						(%)					
			5%	1%		5%	1%		5%	1%
①18.7%	WG 750	20.1	a	a	15.0	a	a	7.6	a	a
②18.7%	WG 1000	21.2	a	a	16.7	b	b	6.4	a	a
③52.5%	WG 2500	24.8	a	a	17.0	b	b	6.3	a	a
④50%	WP 3000	25.5	a	a	17.0	b	b	6.1	a	a
⑤C.K		31.8	b	b	29.4	c	c	19.7	b	b

7

						(%)					
			5%	1%		5%	1%		5%	1%
①18.7%	WG 750	23.9	a	a	0	a	a	3.9	a	a
②18.7%	WG 1000	25.3	a	a	0	a	a	4.2	a	a
③52.5%	WG 2500	30.1	a	a	0	a	a	4.4	a	a
④50%	WP 3000	29.5	a	a	0	a	a	4.6	a	a
⑤C.K		42.2	b	b	56.3	b	b	26.4	b	b

( )

		( )		
18.7% WG (pyraclostrobin + dimethomorph)	1	1000	7	12

Colletotrichum capsici (Syd.) Butler et Bisby

( )

	97 4 5
	96 5 6
	98 3

*

( )

1.

	23.6% EC
腈 醌	22.7% SC

2. 2 ×5 4

3. 7

4.

① 7

50 0

1 5% 2

6-15% 3 16%

(%) / ×100

(%) Σ(×)/(3×)×100

②

5. Duncan's

1% 5%

( )

		(%)							
			5%	1%		5%	1%		5%	1%
①23.6%	EC 2000	1.4	a	a	0			1.0	a	a
②23.6%	EC 3000	1.7	a	a	0			1.9	a	a
③22.7% 腈 醌	SC 700	1.6	a	a	0			1.8	a	a
④C.K		1.9	a	a	0			1.5	a	a

					(%)					
			5%	1%		5%	1%		5%	1%
①23.6%	EC 2000	2.3	a	a	0			2.9	a	a
②23.6%	EC 3000	2.6	a	a	0			3.4	a	a
③22.7% 腈 醌	SC 700	2.5	a	a	0			6.7	ab	ab
④C.K		21.5	b	b	0			11.3	b	b

7

					(%)					
			5%	1%		5%	1%		5%	1%
①23.6%	EC 2000	3.2	a	a	1.3	a	a	3.7	a	a
②23.6%	EC 3000	3.6	a	a	2.0	a	a	6.7	a	a
③22.7% 腈 醌	SC 700	3.8	a	a	2.2	a	a	6.5	a	a
④C.K		33.0	b	b	6.2	b	b	15.2	b	b

					(%)					
			5%	1%		5%	1%		5%	1%
①23.6%	EC 2000	4.5	a	a	0			2.0	a	a
②23.6%	EC 3000	5.0	a	a	0			5.5	a	a
③22.7% 腈 醌	SC 700	5.5	a	a	0			5.0	a	a
④C.K		5.5	a	a	0			4.0	a	a

					(%)					
			5%	1%		5%	1%		5%	1%
①23.6%	EC 2000	6.0	a	a	0			5.5	a	a
②23.6%	EC 3000	6.0	a	a	0			6.0	a	a
③22.7% 腈 醌	SC 700	7.0	a	a	0			9.5	ab	a
④C.K		36.5	b	b	0			15.5	b	a

7

					(%)					
			5%	1%		5%	1%		5%	1%
①23.6%	EC 2000	7.5	a	a	4.0	a	a	6.5	a	a
②23.6%	EC 3000	7.5	a	a	5.5	a	a	10.0	a	ab
③22.7% 腈 醌	SC 700	8.5	a	a	5.0	a	a	13.0	ab	ab
④C.K		44.0	b	b	16.5	b	b	19.5	b	b

( )

		( )		
23.6% EC (pyraclostrobin)	0.3-0.4	3000	7	6

Bremia elliptica

( )

		98 2 3	( )	
				( )
			( )	
				( )
			( )	
				( )

*

( )

1.

	50% WP
	48% EC

2. 20
4

3. 7

4.

① 7
20 5
0 1 1-5% 2 6-15%
3 16-30% 4 31%

(%) Σ(×)/(4×)×100

②

5. Duncan's
1% 5%

( )

		(%)								
		( )	5%	1%	( )	5%	1%	( )	5%	1%
①50%	WP 1500	2.38	a	a	1.00	a	a	0.19	a	a
②50%	WP 3000	1.69	a	a	0.44	a	a	0.19	a	a
③48%	EC 1000	2.31	a	a	0.63	a	a	0.06	a	a
④C.K		2.50	a	a	0.63	a	a	0.13	a	a

		(%)								
		( )	5%	1%	( )	5%	1%	( )	5%	1%
①50%	WP 1500	3.00	a	a	0.06	a	a	0.19	a	a
②50%	WP 3000	2.69	a	a	0.19	a	ab	0.06	a	a
③48%	EC 1000	2.94	a	a	0.81	b	ab	0.19	a	a
④C.K		5.19	b	b	1.00	b	b	0.31	a	a

7

		(%)								
		( )	5%	1%	( )	5%	1%	( )	5%	1%
①50%	WP 1500	2.06	a	a	0.94	a	a	0.69	a	a
②50%	WP 3000	1.85	a	a	0.63	a	a	1.44	a	a
③48%	EC 1000	8.56	b	b	1.13	a	a	4.00	a	a
④C.K		9.00	b	b	2.25	b	b	16.00	b	b

( )

		( )		
50% WP (dimethomorph)	0.3-0.4	3000	7	6

Athelia rolfsii (Curzi) C.C. Tu & Kimbr.

( )

97 2-3

*

( )

1.

75% WP

50% WP

2. 3m(2) × 2 4

3.

4.

①

②

( )

		( )		
50% WP (flutolanil)	0.3-0.4	3000	7	1. 21 2.

Erysiphe pisi DC.

( )

96 3 4

96 12 97 1

97 4 5

*

( )

1.

50% WG

10.5% EC

2. 20 4

3. 7

4.

① 7

10 5

0 1

1/4 2 1/4-1/2 3

1/2

(%) Σ(×)/(3×)×100

②

5. Duncan's

1% 5%

( )

		(%)								
			5%	1%		5%	1%		5%	1%
①50%	WG 1500	26.7	a	a	11.3	a	a	5.2	a	a
②50%	WG 2500	29.4	a	a	11.5	a	a	6.0	a	a
③10.5%	EC 4000	27.5	a	a	11.4	a	a	4.8	a	a
④C.K		27.6	a	a	10.3	a	a	5.2	a	a

		(%)								
			5%	1%		5%	1%		5%	1%
①50%	WG 1500	6.1	a	a	38.1	a	a	0.9	a	a
②50%	WG 2500	10.3	a	a	43.3	a	a	1.7	a	a
③10.5%	EC 4000	11.3	a	a	30.6	a	a	1.8	a	a
④C.K		35.6	b	b	77.8	b	b	6.3	b	b

7

		(%)								
			5%	1%		5%	1%		5%	1%
①50%	WG 1500	4.8	a	a	69.9	a	a	1.2	ab	a
②50%	WG 2500	18.2	b	a	62.8	a	a	0.6	a	a
③10.5%	EC 4000	40.6	c	b	51.1	a	a	3.0	b	a
④C.K		54.4	c	b	98.8	b	b	7.2	c	b

7

( )

		( )		
50% WG (boscalid)	0.4	2500	7	9

銹 *Uromyces appendiculatus*

( )

97 1 2
97 12 98 1
98 3 4 (162)

*

( )

1.

38% WG

2. 5 4
3. 10
4.

① 7

20 10
0 1 1-5% 2 6-15%
3 16-30% 4 31-50% 5 51%

(%) Σ(×)/(5×)×100

②

5. (ANOVA)

Duncan’s

1% 5%

( )

銹病

		(%)								
			5%	1%		5%	1%		5%	1%
①38%	WG 1000	9.1	a	a	2.0	a	a	2.5	a	a
②38%	WG 1500	8.1	a	a	2.2	a	a	1.7	a	a
③C.K		9.1	a	a	2.3	a	a	2.2	a	a

銹病

		(%)								
			5%	1%		5%	1%		5%	1%
①38%	WG 1000	23.9	a	a	3.3	a	a	0.8	a	a
②38%	WG 1500	25.6	a	a	3.8	a	a	1.5	ab	a
③C.K		55.4	b	b	15.7	b	b	5.3	b	a

7 銹病

		(%)								
			5%	1%		5%	1%		5%	1%
①38%	WG 1000	24.7	a	a	4.5	a	a	1.4	a	a
②38%	WG 1500	28.2	b	a	6.4	a	a	2.6	ab	ab
③C.K		58.1	c	b	24.3	b	b	7.5	b	b

( )

銹病

		( )		
38% WG (pyraclostrobin + boscalid)	0.6	1500	10	9

Sclerotium rolfsii

( )

96 7 9 ( )

96 6 8

*

( )

1.

50% WP 2500
75% WP 2500

2. 20 4

3. 10

4.

① 7

50 0

1 3 3 6 5

(%) Σ(×)/(5×)×100

②

5. Duncan's

1% 5%

( )

		(%)								
		( )	5%	1%	( )	5%	1%		5%	1%
①50%	WP 3000	7.4	a	a	5.1	a	a	66.25	a	a
②75%	SC 1000	8.5	a	a	5.8	a	a	80.00	a	a
③C.K		21.6	b	b	10.8	b	a	82.50	a	a

7

		(%)								
		( )	5%	1%	( )	5%	1%		5%	1%
①50%	WP 3000	7.90	a	a	3.5	a	a	51.25	a	a
②75%	SC 1000	11.50	a	a	5.2	a	a	42.50	a	a
③C.K		22.45	b	b	47.6	b	b	53.75	a	a

( )

		( )		
75 WP mepronil	1-1.2	1000	10	1. 2500 2. 3. 4. 21

蟲害類

Plutella xylostella (Linnaeus)

( )

98 2		( )
97 10 11		( )
97 3 4		

*

( )

1.

18.4% SC
15% SC
14.5% SC

2. 2 2 12
4

3. 7

4.

① 7
10 20

$$(\%)\ 1\ \left(\frac{\times}{\times}\right)\times 100$$

②

5. (x) (x 1) 方分析

(P.S.) 5%

( )

/20

①18.4%	SC 2500	21.0a	21.5a	89.8a
②18.4%	SC 3000	18.8a	20.5a	93.8a
③15%	SC 2000	23.8a	16.8a	89.8a
④14.5%	SC 2500	28.5a	19.0a	90.3a
⑤C.K		20.5a	20.0a	92.8a

					(%)			
①18.4%	SC 2500	3.0a	0.8a	21.8a	91.6	97.8	77.1	88.83
②18.4%	SC 3000	2.0a	2.8a	29.8ab	93.7	91.4	70.1	85.07
③15%	SC 2000	6.0ab	2.0a	31.3ab	85.1	92.5	67.1	81.57
④14.5%	SC 2500	11.3b	10.0b	37.5b	76.7	66.9	60.8	68.13
⑤C.K		34.8c	31.8c	97.8c				

7

					(%)			
①18.4%	SC 2500	1.3a	0.8a	11.0a	95.5	98.3	87.3	93.70
②18.4%	SC 3000	1.0a	2.5a	17.0ab	96.0	94.3	81.2	90.50
③15%	SC 2000	2.3a	2.3a	23.3b	92.8	93.6	73.1	86.50
④14.5%	SC 2500	8.0ab	13.5b	22.8b	78.7	66.8	73.8	73.10
⑤C.K		27.0b	42.8c	89.3c				

( ) 18.4% SC 3000 18.4% SC 3000 18.4% SC 3000

( )

		( )		
18.4% SC (chlorantraniliprole)	0.3-0.5	3000	7	12 9

Plutella xylostella (Linnaeus)

( )

97 3 4		( )
97 3 4		
97 3 4		

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( )

1.

80% WP
14.5% SC
10% SC

2. 3 2 12
4

3. 7

4.

① 7
10 20

(%) 1 (×) × 100
×

②

5. (x) (x 1) 方分析

(P.S.) 5%

( )

/20

①80%	WP 7500	29.8a	39.0a	40.0a
②80%	WP 10000	27.0a	40.8a	42.0a
③80%	WP 15000	36.5a	41.0a	34.5a
④14.5%	SC 2500	46.3a	42.8a	30.0a
⑤10%	SC 1000	47.3a	36.0a	39.8a
⑥C.K		44.5a	45.0a	33.0a

(%)

①80%	WP 7500	9.0a	23.0a	6.0a	72.3	44.1	86.8	67.73
②80%	WP 10000	14.5ab	26.8a	11.5a	50.7	37.8	75.9	54.80
③80%	WP 15000	23.0b	29.3a	5.8a	42.2	32.4	85.2	53.27
④14.5%	SC 2500	14.8ab	25.8a	5.3a	70.7	42.9	84.5	66.03
⑤10%	SC 1000	17.0ab	27.3a	10.0a	67.0	28.3	77.9	57.73
⑥C.K		48.5c	47.5b	37.5b				

7

					(%)			
①80%	WP 7500	34.0a	12.3a	4.5a	81.7	78.7	82.6	81.00
②80%	WP 10000	55.5ab	18.0ab	3.5a	67.0	70.0	87.1	74.70
③80%	WP 15000	85.5c	22.5b	3.8a	62.4	62.7	82.9	69.33
④14.5%	SC 2500	66.3bc	17.3ab	5.8ab	77.0	72.6	70.0	73.20
⑤10%	SC 1000	66.0bc	18.0ab	11.0b	77.6	66.0	57.2	66.93
⑥C.K		277.0d	62.3c	21.3c				

( ) 80% WP 7500 80% WP 7500
80% WP 15000

( )

		( )		
80% WP (spinosad)	0.1-0.2	7500	7	10 9

Thrips tabaci Lindeman

( )

97 3 4	
97 1 2	
96 4 5	(2)

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1. 50% WP
- 2.9% EC

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$$(\%)\ 1\ \left(\frac{\times}{\times}\right)\times 100$$

②

5. (x) (x 1)

(P.S.) 5%

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①50%	WP 800	241.8a	69.5a	122.3a
②50%	WP 1000	248.5a	64.8a	120.0a
③2.9%	- EC 1500	163.8a	87.0a	124.0a
④C.K		260.0a	87.3a	124.3a

					(%)			
①50%	WP 800	4.0a	25.0a	53.5a	98.1	73.2	77.2	82.83
②50%	WP 1000	4.8a	31.0a	58.3a	97.8	64.4	75.0	79.07
③2.9% 1500	- EC	3.8a	28.5a	55.3a	97.4	75.6	76.8	83.27
④C.K		225.8b	117.3b	238.5b				

					(%)			
①50%	WP 800	0.8a	20.0a	21.8a	99.6	84.9	92.6	92.37
②50%	WP 1000	0.8a	27.8a	31.1a	99.6	77.5	89.1	88.73
③2.9% 1500	- EC	0.8a	19.0a	26.0a	99.4	88.6	91.3	93.10
④C.K		190.8b	166.8b	298.5b				

7

					(%)		
①50%	WP 800	2.3a	9.0a	25.3a	98.8	93.4	91.3	94.50
②50%	WP 1000	2.0a	11.5a	36.0b	99.0	93.0	90.9	94.30
③2.9% - 1500	EC	1.3a	7.0a	33.0ab	99.0	96.8	88.8	94.87
④C.K		204.5b	220.0b	296.3c				

( ) 50% WP 1000 50% WP 1000
50% WP 1000

( )

		( )		
50% WP (methiocarb)	1-1.2	1000	7	15

Spodoptera exigua Hubner

( )

	97 9 10	( )
	97 10	(2)
寬	97 9 10	( )

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( )

1.

CORAGEN	18.4% SC
	5% SG
	14.5% SC

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)

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(%) 1 (× / ×) × 100

②

5. (x) (x 1)

(P.S.) 5%

( )

/20

①18.4% CORAGEN SC 2000	9.0a	10.0a	4.3a
②18.4% CORAGEN SC 2500	22.8b	11.3a	5.3a
③5% SG 5000	17.8ab	6.5a	6.0a
④14.5% SG 2000	13.3a	15.8a	5.8a
⑤C.K	10.8a	9.5a	5.8a

				(%)			
①18.4% CORAGEN SC 2000	0.5a	0.3a	0a	97.18	98.84	100.0	98.67
②18.4% CORAGEN SC 2500	0.8a	1.0a	0.3a	98.22	98.97	98.0	98.40
③5% SG 5000	15.5b	2.3a	6.0b	55.85	83.96	65.5	68.44
④14.5% SG 2000	14.0b	2.8a	9.8b	46.63	91.91	41.7	60.08
⑤C.K	21.3b	20.5b	16.8c				

7

					(%)		
①18.4% CORAGEN SC 2000	0.5a	0.3a	4.5a	97.76	99.56	84.8	94.04
②18.4% CORAGEN SC 2500	1.0a	1.3a	5.5a	98.23	98.03	85.0	93.75
③5% SG 5000	9.0b	1.5a	14.3b	79.62	95.90	65.4	80.31
④14.5% SG 2000	7.8b	4.0a	16.8b	76.37	95.49	58.0	76.62
⑤C.K	26.8c	53.5b	40.0c				

( )

		( )		
18.4% SC (chlorantraniliprole)	0.4-0.6	2500	7	9

蟎 *Tetranychus cinnabarinus* (Boisduval)

( )

97 4	( )	( )	

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( )

1.

20% WP

1% EC

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3. 蟎 7

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① 7

20 1 20

蟎 蟎

$$(\%)\ 1\ \left(\frac{\text{蟎} \times \text{蟎}}{\text{蟎} \times \text{蟎}}\right) \times 100$$

②

5. 蟎 (x) (x 1) 方分析

(P.S.) 5%

( )

蟎蟎 蟎 (/20)

		蟎		
		( )	( )	( )
①20%	WP 3000	133.3a	231.1a	355.6a
②1%	EC 1500	117.8a	275.6a	335.6a
③C.K		275.6a	435.6a	328.9a

7 蟎

		蟎			(%)			
		( )	( )	( )	( )	( )	( )	
①20%	WP 3000	284.4ab	293.3b	462.2b	22.9	70.5	70.5	54.63
②1%	EC 1500	26.7a	62.2a	44.4a	91.9	94.8	97.0	94.57
③C.K		773.3b	1875.6c	1448.9c				

7 蟎

		蟎			(%)			
		( )	( )	( )	( )	( )	( )	
①20%	WP 3000	80.0a	266.7a	302.2a	87.6	73.2	88.2	83.00
②1%	EC 1500	53.3a	62.2a	115.6a	90.6	94.8	95.2	93.53
③C.K		1333.3b	2746.7b	2364.4b				

( ) 20% WP 3000 1% EC 1500
蟎

( )

蟎

		( )		
20% WP (pyridaben)	0.4-0.5	3000	7	14

Spodoptera exigua Hubner

( )

	97 3 4	( )
	97 3 4	( )
寬	97 3 4	

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( )

1.

SPOD-X	2×10^9 OBs/ml SC
	10% SC

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3. 7

4.

① 1 7 14

( )

(%) 1 (× / ×) × 100

②

5. (x) (x 1)

(P.S.) 5%

( )

/20

	( )	( )	
①2×10^9 OBs/ml SPOD-X SC 1500	15.3a	15.8a	54.3a
②2×10^9 OBs/ml SPOD-X SC 3000	13.0a	12.0a	33.8a
③10% SC 1000	13.5a	13.5a	66.8a
④C.K	16.3a	12.5a	48.8a

				(%)			
	( )	( )		( )	( )		
①2×10^9 OBs/ml SPOD-X SC 1500	2.0a	1.8a	29.5a	81.1	88.7	79.3	83.03
②2×10^9 OBs/ml SPOD-X SC 3000	2.8a	3.8ab	26.0a	69.4	68.1	70.7	69.40
③10% SC 1000	1.0a	0.3a	42.3a	89.3	98.1	79.5	88.97
④C.K	11.8b	12.3b	128.0b				

				(%)			
	( )	( )		( )	( )		
①2×10^9 OBs/ml SPOD-X SC 1500	0.8a	2.0a	13.8a	88.2	82.4	84.7	85.10
②2×10^9 OBs/ml SPOD-X SC 3000	1.5a	3.3ab	10.0a	72.2	62.4	82.2	72.27
③10% SC 1000	0.8a	0.5a	17.8a	86.2	94.9	84.0	88.37
④C.K	6.8b	9.0b	81.3b				

1

				(%)			
	( )	( )		( )	( )		
①2×10^9 OBs/ml SPOD-X SC 1500	0.8a	1.8a	4.5a	91.4	84.1	81.2	85.57
②2×10^9 OBs/ml SPOD-X SC 3000	1.0a	2.5ab	5.0a	86.5	70.2	89.9	82.20
③10% SC 1000	0.3a	0.3a	0.5a	96.7	97.4	98.3	97.47
④C.K	9.3b	8.8b	21.5b				

7

				(%)			
	( )	( )		( )	( )		
①2 × 10^9 OBs/ml SPOD-X SC 1500	1.0a	0.8a	0a	87.1	92.8	100	93.30
②2 × 10^9 OBs/ml SPOD-X SC 3000	1.5a	1.3a	0a	77.3	84.2	100	87.17
③10% SC 1000	0.5a	0.3a	0a	92.7	97.2	100	96.63
④C.K	8.3b	8.3b	3b				

14

				(%)			
	( )	( )		( )	( )		
①2 × 10^9 OBs/ml SPOD-X SC 1500	2.3a	2.3ab	0a	76.0	80.7	100	85.57
②2 × 10^9 OBs/ml SPOD-X SC 3000	3.3ab	2.5ab	0a	59.4	71.8	100	77.07
③10% SC 1000	1.3a	0.5a	0a	85.0	95.0	100	93.33
④C.K	10.0b	9.3b	0.8a				

( ) 2 × 10^9 OBs/ml SPOD-X SC 1500
2 × 10^9 OBs/ml SPOD-X SC 3000

( )

		( )		
2 × 10^9 OBs/ml SC (nuclear polyhedronsis virus)	0.4-0.5	3000	7	

Bemisia argentifolii Bellows & Perring

( )

	98 1 2	(5)
	97 10 12	(6)
	97 12	(6)

*

( )

1.

	28.8% SL
	25% WP
	20% SG

2. 2 2 5
4

3. 7

4.

① 7
20

(%) 1 (× / ×) × 100

②

5. (x) (x 1) 方分析

(P.S.) 5%

( )

①28.8%	SL 3000	81.3a	230.5a	76.3a
②28.8%	SL 4500	56.8a	238.5a	82.5a
③25%	WP 2000	65.8a	246.8a	78.5a
④20%	SC 3000	95.0a	232.8a	66.3a
⑤C.K		70.5a	227.8a	75.3a

					(%)			
①28.8%	SL 3000	43.5a	64.8a	12.8a	88.1	77.9	92.4	86.13
②28.8%	SL 4500	60.8a	75.5a	20.5a	76.2	75.1	88.7	80.00
③25%	WP 2000	71.3a	70.3a	27.5a	75.9	76.2	84.1	78.73
④20%	SC 3000	79.0a	59.0a	21.0a	81.5	79.9	85.6	82.33
⑤C.K		316.8b	289.0b	165.8b				

7

					(%)			
①28.8%	SL 3000	19.3a	71.5a	12.8a	96.4	79.8	93.9	90.03
②28.8%	SL 4500	31.0a	82.3a	22.8a	91.6	77.5	89.9	86.33
③25%	WP 2000	61.3a	72.8a	28.8a	85.7	80.8	86.6	84.37
④20%	SC 3000	76.8a	64.0a	30.3a	87.6	82.1	83.3	84.33
⑤C.K		458.8b	349.8b	206.5b				

( ) 28.8% SL 4500 28.8% SL 4500 28.8% SL 4500

( )

		( )		
28.8% SL (imidacloprid)	0.2-0.3	4500	7	21

Aphis gossypii Glover

( )

97 5-6

*

( )

1.

	2.8% EC	1000
	2.8% EC	500
	50% EC	1000
	50% EC	500
	2.8% EC	1000
	2.8% EC	500

2. 4 × 4 4 64

3. 7

4. 2.8% EC 1000 50% EC 1000 2.8% EC 1000

( )

		( )		
2.8% EC (bifenthrin)	1-1.2	1000	7	6
50% EC (malathion)	1-1.2	1000	7	6
2.8% EC (deltamethrin)	1-1.2	1000	7	9

Ⅳ 果 樹

病害類

Xanthomonas campestris pv. *citri* (Hasse) Dye.

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啓吉	96 6 8	
	96 6 8	

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1.

10% SL

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4.

① 7

a. 5-6 20 5
100 1-3 1 4-10 2
11 3

(%) Σ(×)/(3×)×100

b. 1-2 1
100 (
1-2 1
)

②

5. Duncan's
1% 5%

( )

					(%)				
			5%	1%		5%	1%		5% 1%
①10%	SL 500	1.75	a	a	1.25	a	a	32.67	a a
②10%	SL 800	1.33	a	a	2.50	a	a	29.50	a a
③C.K		1.42	a	a	1.67	a	a	30.92	a a

					(%)				
			5%	1%		5%	1%		5% 1%
①10%	SL 500	1.25	a	a	0.50	a	a	6.75	a a
②10%	SL 800	1.25	a	a	1.00	a	a	5.92	a a
③C.K		2.08	a	a	6.17	b	b	11.67	b b

7

					(%)				
			5%	1%		5%	1%		5% 1%
①10%	SL 500	1.92	a	a	3.34	a	a	22.58	a a
②10%	SL 800	2.75	a	ab	4.17	a	a	23.42	a a
③C.K		5.34	b	b	18.75	b	b	30.58	b b

( )

		( )		
10% SL (validamycin A)	1.13	800	7	

Glomerella cingulata (Ston.) Spauld et Schrenk

( )

	97 1 6
	97 3 8
	97 1 6

*

( )

1.

腈	16% WG
	62.5% WG
	50% WP

2. 3 4

3. 7 14

4.

① 3000 3 6
20
0 1-5% 1 6-25%
2 26-50% 3 51-75% 4 76%
5
(%) Σ(×)/(5×)×100

②

5. Duncan's
1% 5%

( )

0

					(%)				
			5%	1%		5%	1%		5%	1%
①16% 腈	WG 750	0	a	a	4	a		0	a	a
②16% 腈	WG 1000	0	a	a	6	ab		0	a	a
③62.5%	WG 2000	0	a	a	12	b		0	a	a
④50%	WP 6000	0	a	a	17	b		0	a	a
⑤C.K		0	a	a	31	c		0	a	a

3

					(%)					
			5%	1%		5%	1%		5%	1%
①16% 腈	WG 750	21.9	a	a	8	a	a	19.7	a	a
②16% 腈	WG 1000	24.1	a	a	15	ab	a	24.1	a	a
③62.5%	WG 2000	38.0	b	b	25	b	ab	35.9	b	b
④50%	WP 6000	39.1	b	b	43	c	bc	39.8	b	b
⑤C.K		56.3	c	c	56	c	c	55.5	c	c

6

		(%)								
			5%	1%		5%	1%		5%	1%
①16% 腈	WG 750	29.8	a	a	20	a	a	36.0	a	a
②16% 腈	WG 1000	45.8	b	b	28	a	ab	40.7	a	a
③62.5%	WG 2000	58.8	c	c	53	b	bc	52.9	b	b
④50%	WP 6000	58.4	c	c	59	bc	c	61.1	c	b
⑤C.K		73.1	d	d	75	c	c	73.5	d	c

( )

		( )		
16% 腈 WG (pyraclostrobin + dithianon)	1-1.2	1000	7 14	12

Glomerella cingulata (Ston.) Spauld et Schrenk

( )

	97 4 7
	97 3 8
	97 4 7 市

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( )

1.

70% WP
62.5% WG
50% WP

2. 5 ×4 4

3. 7

4.

①

a. 7

20 10

200 0

1 1-3 2 4-9

3 10-20 4 21

(%) Σ(×)/(4×)×100

b. 7

20

/ ×100%

(%) Σ( )/( )×100

②

5. Duncan's

1% 5%

( )

		(%)					
			5%	1%		5%	1%
①70%	WP 750	28.0	a	a	2.0	a	a
②70%	WP 1000	30.0	a	a	6.0	a	ab
③62.5%	WG 2000	33.6	a	a	12.0	b	ab
④50%	WP 6000	28.9	a	a	17.0	b	b
⑤C.K		43.2	b	b	31.0	c	c

3

		(%)					
			5%	1%		5%	1%
①70%	WP 750	34.1	a	a	11.0	a	a
②70%	WP 1000	39.2	ab	ab	37.0	ab	bc
③62.5%	WG 2000	42.9	b	b	25.0	b	ab
④50%	WP 6000	48.2	b	b	43.0	cd	bc
⑤C.K		59.9	c	c	56.0	d	c

6

		(%)						
			5%	1%		5%	1%	5% 1%
①70%	WP 750	39.4	a	a	18.0	a	a	
②70%	WP 1000	44.3	a	a	43.0	b	b	
③62.5%	WG 2000	56.7	b	b	53.0	bc	bc	
④50%	WP 6000	57.4	b	b	59.0	c	bc	
⑤C.K		74.2	c	c	75.0	d	c	

( )

		( )		
70% WP thiophanate-methyl	1-1.2	1000	7 14	6

Oidium mangiferae Bert

( )

	97 1 2
	97 3 4
	97 3

*

( )

1.

BAS 517F	27.3% SC
	31.25% WG
	10.7% EC

2. 3 4 5 60

3. 7-10

4.

① 7

20

0 1-10% 1

11-25% 2 26-50% 3 51-75% 4

76% 5

(%) Σ(×)/(5×)×100

400

②

5. Duncan's

1% 5%

( )

	(%)								
		5%	1%		5%	1%		5%	1%
①27.3% BAS 517F SC 1500	29.0	a	a	52.5	a	a	15.0	a	a
②27.3% BAS 517F SC 2000	29.7	a	a	66.5	a	a	10.6	a	a
③31.25% WG 1000	28.7	a	a	60.5	a	a	11.0	a	a
④10.7% EC 2500	29.8	a	a	60.8	a	a	12.6	a	a
⑤C.K	32.4	a	a	67.5	a	a	14.4	a	a

	(%)								
		5%	1%		5%	1%		5%	1%
①27.3% BAS 517F SC 1500	31.0	a	a	25.8	a	a	10.8	a	a
②27.3% BAS 517F SC 2000	37.1	a	ab	32.3	ab	ab	5.5	a	a
③31.25% WG 1000	38.1	ab	ab	42.5	bc	ab	9.3	a	a
④10.7% EC 2500	46.9	bc	bc	49.0	c	bc	11.8	a	a
⑤C.K	55.2	c	c	65.0	d	c	37.3	b	b

7

	(%)								
		5%	1%		5%	1%		5%	1%
①27.3% BAS 517F SC 1500	21.6	a	a	4.0	a	a	6.3	a	a
②27.3% BAS 517F SC 2000	23.2	a	a	9.0	a	a	1.9	a	a
③31.25% WG 1000	22.7	a	a	17.8	a	a	3.9	a	a
④10.7% EC 2500	29.4	a	a	16.0	a	a	13.2	a	a
⑤C.K	46.1	b	b	60.8	b	b	35.1	b	b

( )

		( )		
27.3% SC boscalid + kresoxim-methyl		2000	7-10	6

Elsinoe ampelina (De B.) Shear

( )

	97	5	6
	97	5	6
	97	5	6

*

( )

1.

34.5% SC	
40% SC	

2. 5 × 4 4

3. 7

4.

①

a. 7

20 10

200 0

1 1-3 2 4-9

3 10-20 4 21

(%) Σ(×)/(4 ×) × 100

b. 7

20

/ × 100%

(%) Σ( )/( )×100

②

5. Duncan's

1% 5%

( )

( )

					(%)				
			5%	1%		5%	1%		5%	1%
①34.5%	SC 2000	1.7	a	a	10.5	a	a	1.5	a	a
②34.5%	SC 3000	2.0	a	a	12.4	a	a	2.0	a	a
③40%	SC 1500	1.8	a	a	11.6	a	a	1.8	a	a
④C.K		1.6	a	a	11.4	a	a	1.8	a	a

( )

					(%)				
			5%	1%		5%	1%		5%	1%
①34.5%	SC 2000	1.2	a	a	5.4	a	a	1.2	a	a
②34.5%	SC 3000	1.4	a	a	4.1	a	a	1.4	a	a
③40%	SC 1500	1.4	a	a	5.1	a	a	1.4	a	a
④C.K		2.0	a	a	9.0	a	a	1.8	a	a

7 ( )

					(%)				
			5%	1%		5%	1%		5%	1%
①34.5%	SC 2000	1.3	a	a	3.2	a	a	1.3	a	a
②34.5%	SC 3000	1.5	a	a	5.3	a	a	1.5	a	a
③40%	SC 1500	1.6	a	a	5.1	a	a	1.6	a	a
④C.K		3.0	b	b	12.7	b	a	3.1	b	b

( )

					(%)				
			5%	1%		5%	1%		5%	1%
①34.5%	SC 2000	0.6	a	a	3.0	a	a	0.6	a	a
②34.5%	SC 3000	0.3	a	a	1.1	a	a	0.4	a	a
③40%	SC 1500	0.6	a	a	4.6	a	a	0.7	a	a
④C.K		0.6	a	a	1.5	a	a	0.6	a	a

( )

			(%)						
			5%	1%		5%	1%		5%	1%
①34.5%	SC 2000	0.5	a	a	1.3	a	a	0.4	a	a
②34.5%	SC 3000	0.3	a	a	1.1	a	a	0.5	a	a
③40%	SC 1500	0.3	a	a	1.1	a	a	0.3	a	a
④C.K		0.6	a	a	2.3	a	a	0.8	a	a

7 ( )

			(%)						
			5%	1%		5%	1%		5%	1%
①34.5%	SC 2000	0.1	a	a	0.6	a	a	0.2	a	a
②34.5%	SC 3000	0.2	ab	a	0.9	a	a	0.3	a	a
③40%	SC 1500	0.3	b	a	1.9	a	a	0.3	a	a
④C.K		0.8	c	b	2.1	a	a	1.0	b	b

( )

		( )		
34.5% SC carbendazim + hexaconazole	0.3-0.4	3000	7	9

Uncinula necator (Schw.) Burrill

( )

97	5	6
98	2	3
97	4	5

*

( )

1.

42.37% SC
11.8% SC

2. 5×4 4

3. 10

4.

① 10

3×2 30

0 1

1-5% 2 6-25% 3

26-50% 4 51%

(%) Σ(×)/(4×)×100

②

5. Duncan's

1% 5%

( )

		(%)								
			5%	1%		5%	1%		5%	1%
①42.37%	SC 2500	33.2	a	a	0.6	a	a	22.3	a	a
②42.37%	SC 4000	32.8	a	a	0.6	a	a	24.6	a	a
③11.8%	SC 2000	29.7	a	a	0.8	a	a	22.1	a	a
④C.K		27.7	a	a	0.6	a	a	22.9	a	a

		(%)								
			5%	1%		5%	1%		5%	1%
①42.37%	SC 2500	19.8	a	a	2.9	a	a	40.8	a	a
②42.37%	SC 4000	22.0	a	a	3.8	a	a	39.8	a	a
③11.8%	SC 2000	33.6	a	a	3.4	a	a	43.9	a	a
④C.K		31.4	a	a	5.1	b	a	50.6	a	a

		(%)								
			5%	1%		5%	1%		5%	1%
①42.37%	SC 2500	10.6	a	a	3.7	a	a	47.1	a	a
②42.37%	SC 4000	8.8	a	a	4.9	a	a	46.7	a	a
③11.8%	SC 2000	14.2	ab	a	5.8	a	a	34.5	a	a
④C.K		23.1	b	a	12.8	b	b	56.7	a	a

10

		(%)								
			5%	1%		5%	1%		5%	1%
①42.37%	SC 2500	4.5	a	a	5.1	a	a	27.9	a	a
②42.37%	SC 4000	5.2	a	a	5.8	a	a	26.0	a	a
③11.8%	SC 2000	2.8	a	a	6.6	a	a	20.2	a	a
④C.K		14.7	b	a	33.2	b	b	36.7	a	a

( )

		( )		
42.37% SC (metrafenone)	0.3	4000	10	21

Phytophthora palmivora Butler

( )

	96 2 5	
	97 2 5	( )
	96 3 6	

*

( )

1.

18.7% WG
43.5% WP

2. 2 4 4 32

3. 7

4.

① 50 0 3 6

0 1-5% 6-10% 11-30%

31% 0 1 2 3 4

(%) Σ(×)/(5×)×100

②

5. Duncan's

1% 5%

( )

					(%)				
			5%	1%		5%	1%		5%	1%
①18.7%	WG 750	0	a	a	3.3	a	a	0	a	a
②18.7%	WG 1000	0	a	a	3.8	a	a	0	a	a
③43.5%	WP 1500	0	a	a	3.6	a	a	0	a	a
④C.K		0	a	a	29.3	b	b	0	a	a

3

					(%)				
			5%	1%		5%	1%		5%	1%
①18.7%	WG 750	4.0	a	a	3.6	a	a	4.4	a	a
②18.7%	WG 1000	9.7	a	a	4.3	a	a	8.5	a	a
③43.5%	WP 1500	8.2	a	a	4.1	a	a	8.2	a	a
④C.K		24.3	b	b	34.0	b	b	25.4	b	b

6

					(%)				
			5%	1%		5%	1%		5%	1%
①18.7%	WG 750	12.5	a	a	4.1	a	a	12.5	a	a
②18.7%	WG 1000	20.5	b	b	4.5	a	a	18.1	b	b
③43.5%	WP 1500	18.6	b	b	4.3	a	a	17.2	b	b
④C.K		33.8	c	c	36.3	b	b	32.7	c	c

( )

		( )		
18.7% WG (pyraclostrobin + dimethomorph)	1.2-1.5	1000	7	15

Oidium ziziphi (Yen at Wang) Braun

( )

	97 9	( )
	97 12 98 1	( )
	97 10 11	

*

( )

1.

34.5% SC 23% DC 40% WP

2. 3 3 5 45

3. 7

4.

① 7

100

0 1-5% 1

6-25% 2 26-50% 3 51% 4

(%) Σ(×)/(4×)×100

②

5. Duncan's

1% 5%

( )

			(%)								
				5%	1%		5%	1%		5%	1%
①34.5%	SC 3000	0.16	a	a	1.60	a	a	11.53	a	a
②34.5%	SC 4000	0.16	a	a	1.70	a	a	17.28	a	a
③23%	DC 3000	0.22	a	a	1.50	a	a	9.19	a	a
④40%	WP 6000	0.19	a	a	1.90	a	a	11.41	a	a
⑤C.K		0.16	a	a	2.20	a	a	12.44	a	a

					(%)						
			5%	1%		5%	1%		5%	1%
①34.5%	SC 3000	2.19	a	a	1.20	a	a	6.25	a	a
②34.5%	SC 4000	2.38	a	a	2.00	b	b	6.69	a	a
③23%	DC 3000	2.66	a	a	2.10	b	b	8.85	a	a
④40%	WP 6000	3.00	a	a	3.00	c	c	10.75	a	a
⑤C.K		12.75	b	b	5.00	d	d	8.72	a	a

7

					(%)					
			5%	1%		5%	1%		5%	1%
①34.5%	SC 3000	3.31	a	a	0.30	a	a	1.97	a	a
②34.5%	SC 4000	3.66	a	a	0.80	b	b	1.94	a	a
③23%	DC 3000	4.16	a	b	0.90	b	b	2.72	a	a
④40%	WP 6000	4.59	a	b	1.30	c	b	4.44	a	a
⑤C.K		24.50	c	c	7.40	d	c	4.13	a	a

( )

		( )		
34.5% SC (carbendazim + hexaconazole)		4000	7	6

Glomerella cingulata

( )

97 3

*

( )

1.

23% SC

2. 2 4 2 ×3 ×4 24

3.

4.

5. 23% SC 3000 23% SC 1500

( )

		( )		
23% SC (azoxystrobin)		3000	10-14	9

蟲害類

Idioscopus niveosparsus (Lethierry)
Idioscopus clypealis (Lethierry)

( )

寬	97 3 4	( )
	97 3 4	
	97 4 5	( )

*

( )

1.

20% SG
9.6% SL
2.8% EC

2. 2 5 4
40

3. 7

4.

① 7 ( )
7 14 21
5 (
(30 × 40cm)
)

$$(\%)\ 1\ \left(\frac{\times}{\times}\right) \times 100$$

②

5. $(x\ 0.5)^{1/2}$
5%

( )

( )/5

①20%	SG 2000	94.3b	31.9a	46.8
②20%	SG 3000	75.0ab	35.7a	63.6
③9.6%	SL 3000	69.8ab	32.8a	60.8
④2.8%	EC 4000	48.0a	30.6a	50.8
⑤C.K		68.5ab	35.8a	50.9

7

(%)

①20%	SG 2000	11.0a	1.7a	0.6a	93.9	92.4	95.3	93.87
②20%	SG 3000	15.5a	2.1a	0.7a	89.2	91.6	96.3	92.37
③9.6%	SL 3000	32.0a	6.9b	1.2b	75.9	66.0	93.2	78.37
④2.8%	EC 4000	22.3a	7.2b	8.6c	75.6	51.0	40.6	55.73
⑤C.K		130.5b	22.5c	14.5d				

7

					(%)			
①20%	SG 2000	0a	0.8a	0.5a	100	96.5	92.5	96.33
②20%	SG 3000	0a	2.8ab	0.8a	100	87.7	91.5	93.07
③9.6%	SL 3000	3.3a	7.4b	0.6a	94.7	64.6	93.4	84.23
④2.8%	EC 4000	1.5a	3.1ab	3.2b	96.5	84.1	56.2	78.93
⑤C.K		61.0b	29.8c	7.3c				

14

					(%)			
①20%	SG 2000	0a	2.3a	2.8a	100	93.3	76.1	89.80
②20%	SG 3000	0.5a	3.3a	2.3a	99.6	92.1	85.2	92.30
③9.6%	SL 3000	10.0ab	6.6a	1.9a	91.3	77.2	87.5	85.33
④2.8%	EC 4000	17.0b	5.5a	6.8b	78.5	80.5	45.5	68.17
⑤C.K		113.0c	42.3b	12.6c				

21

					(%)			
①20%	SG 2000	4.5a	4.1a	4.1a	97.9	91.4	64.5	84.60
②20%	SG 3000	5.5a	7.2a	5.6a	96.9	83.0	64.2	81.37
③9.6%	SL 3000	25.5b	14.4a	6.7b	84.1	34.2	55.5	57.93
④2.8%	EC 4000	31.0b	11.8a	8.5c	71.9	33.0	32.2	45.70
⑤C.K		157.3c	55.4b	12.6d				

( )

		( )		
20% SG (dinotefuran)	0.5-0.7	3000	7	6

Scirtothrips dosalis Hood

( )

96 11 12	( )	
96 10		
96 12 97 1	( )	

*

( )

1.

4.95% SC
48.34% EC

2. 2 4 4
32

3.

4.

① 7

7 7 14 21
25 (
)

(%) 1 (×) × 100
× ×

②

5. $(x + 0.5)^{1/2}$
5%

( )

( )/25

①4.95%	SC 2000	32.5a	23.6a	385.5a
②4.95%	SC 2500	21.0a	28.5a	326.0a
③48.34%	EC 1000	29.0a	23.3a	319.5a
④C.K		74.0b	21.1a	399.0a

7

					(%)			
①4.95%	SC 2000	0.75a	0a	23.5a	97.5	100	92.9	96.80
②4.95%	SC 2500	7.5ab	0a	19.5a	62.4	100	93.1	85.17
③48.34% 1000	EC	6.0ab	2.5b	22.8a	77.7	87	91.7	85.47
④C.K		68.5b	23.4c	344.3b				

7

					(%)			
①4.95%	SC 2000	0.8a	0a	9.0a	96.2	100	97.7	97.97
②4.95%	SC 2500	1.3a	0a	9.0a	91.2	100	97.2	96.13
③48.34% 1000	EC	1.5a	0.5a	22.3b	91.4	97.9	93.0	94.10
④C.K		44.5b	24.1b	399.5c				

14

					(%)			
①4.95%	SC 2000	0.8a	0.4a	25.0a	97.3	96.7	93.9	95.97
②4.95%	SC 2500	1.5a	1.1a	29.5a	91.8	91.4	91.5	91.57
③48.34% 1000	EC	3.0a	1.1a	74.8b	87.9	88.8	78.1	84.93
④C.K		64.0b	11.5b	427.0c				

21

					(%)			
①4.95%	SC 2000	0.8a	0.9a	34.3a	97.8	92.4	91.6	93.93
②4.95%	SC 2500	1.3a	1.3a	41.0a	94.2	89.2	88.2	90.53
③48.34% 1000	EC	10ab	1.1a	112.3b	66.5	71.9	66.9	68.43
④C.K		76b	11.9b	423.8c				

( )

		( )		
4.95% SC (fipronil)	0.8-1.0	2500	7	1. 28 2.

Scirtothrips dosalis Hood
Rhipiphorothrips cruentatus Hood
Thrips hawaiiensis Morgan

( )

97 4 6		( )
97 5 6		( )
97 4 5		( )

*

( )

1.

10% SC	
48.34% EC	

2. 2 4 4 32
3. 7
4.
① 7 7 14 21
25
( )

$$(\%)\quad 1\quad \left(\frac{\times}{\times}\right)\times 100$$

②

5. $(x\ \ 0.5)^{1/2}$

5%

( )

( )/25

①10%	SC 1000	119.0a
②10%	SC 1500	157.8a
③48.34%	EC 1000	132.8a
④C.K		139.0a

							(%)	
①10%	SC 1000	30.8a	1.5b	32.5a	79.5	97.3	76.0	84.27
②10%	SC 1500	45.5ab	2.3b	41.5ab	77.1	95.7	69.4	80.73
③48.34%	EC 1000	52.3b	4.5b	52.3b	68.8	93.3	66.2	76.10
④C.K		175.3c	40.3a	157.3c				

							(%)	
①10%	SC 1000	12.3a	0.5b	15.5a	93.2	97.9	90.1	93.73
②10%	SC 1500	60.5b	0.5b	32.8b	74.6	97.8	79.3	83.90
③48.34%	EC 1000	64.0b	1.0b	46.3b	68.1	96.6	74.1	79.60
④C.K		209.8c	17.5a	181.8c				

14

						(%)	
①10%	SC 1000	4.5a	0.3a	8.8a	96.5	93.9	95.20
②10%	SC 1500	30.3a	0.3a	23.3b	82.3	84.0	83.15
③48.34% 1000	EC	33.0a	0.0a	59.8c	77.1	63.4	70.25
④C.K		151.0b	0.0a	166.3d			

21

						(%)	
①10%	SC 1000	17.5a	0.0a	15.8a	84.9	88.6	86.75
②10%	SC 1500	32.5a	0.0a	28.8b	78.8	79.3	79.05
③48.34% 1000	EC	35.0a	0.0a	63.8c	72.9	59.3	66.10
④C.K		135.0b	0.0a	159.5d			

( )

		( )		
10% SC (chlorfenapyr)	1.5-2.0	1000	7	12

蠕 *Tetranychus Kanzawai* Kishida

( )

	97 6 7	(2)
寬	97 5 6	(2)
	97 5 6	(2)

*

( )

1.

蠕 20% SC
5% CS

2. 4 5 3
60

3. 10 蠕 ( )

4. ( )

① 3 7 14 21 28

蠕 (蠕)

$$(\%)\ 1\ \left(\frac{\text{蠕} \times \text{蠕}}{\text{蠕} \times \text{蠕}}\right) \times 100$$

②

5. 蠕 $(x\ 0.5)^{1/2}$
蠕 5%

( )

蠕蠕 蠕 /4

		蠕		
①20%	蠕 SC 1000	24.3ab	222.3a	573.67a
②20%	蠕 SC 2000	23.3ab	249.3a	563.00a
③20%	蠕 SC 3000	20.0a	336.7a	501.67a
④5%	CS 500	49.3c	280.7a	579.67a
⑤C.K		40.7bc	454.7a	519.67a

3 蠕

		蠕			(%)			
①20%	蠕 SC 1000	2.0a	10.7a	265.00a	98.7	94.9	60.28	84.63
②20%	蠕 SC 2000	1.3a	15.7a	275.00a	99.1	93.3	58.00	83.47
③20%	蠕 SC 3000	2.3a	12.7a	294.30a	98.2	96.0	49.55	81.25
④5%	CS 500	2.3a	42.0a	426.67b	99.3	84.1	36.71	73.37
⑤C.K		265.7b	428.7b	604.33c				

7 蠕

		蠕			(%)			
①20%	蠕 SC 1000	2.7a	13.3a	70.33a	96.3	91.6	90.78	92.89
②20%	蠕 SC 2000	1.3a	27.3ab	96.00a	98.1	84.5	87.17	89.92
③20%	蠕 SC 3000	2.3a	42.3ab	135.67a	96.1	82.3	79.65	86.02
④5%	CS 500	6.7a	62.0b	250.33b	95.4	68.8	67.51	77.24
⑤C.K		121.3b	322.0c	690.67c				

14 蠕

		蠕			(%)			
①20%	蠕 SC 1000	7.3a	23.0a	54.67a	86.4	96.4	93.62	92.14
②20%	蠕 SC 2000	2.7a	19.7a	121.33ab	94.8	89.6	85.57	89.99
③20%	蠕 SC 3000	33.3b	33.7a	173.67b	24.7	86.8	76.83	62.78
④5%	CS 500	4.0a	48.7a	298.0c	96.3	77.2	65.59	79.70
⑤C.K		90.0b	345.3b	776.33d				

21 蠕

		蠕			(%)			
①20%	蠕 SC 1000	52.7a	42.0a	84.33a	92.1	76.2	89.24	85.85
②20%	蠕 SC 2000	54.7a	57.0a	132.00b	91.4	71.2	82.83	81.81
③20%	蠕 SC 3000	38.0a	98.0a	207.33c	93.1	63.3	69.74	75.38
④5%	CS 500	24.0a	85.7a	279.33d	98.2	61.5	64.71	74.80
⑤C.K		1114.0b	361.0b	709.67e				

28 蠕

		蠕			(%)			
①20%	蠕 SC 1000	15.0a	44.0a	20.67a	97.2	70.3	88.30	85.27
②20%	蠕 SC 2000	68.0a	55.3a	26.67a	86.6	66.7	84.61	79.30
③20%	蠕 SC 3000	59.0a	81.0a	57.33ab	86.4	63.9	62.88	71.06
④5%	CS 500	169.3a	74.3a	81.33b	84.2	60.3	54.43	66.31
⑤C.K		885.0b	303.0b	160.0c				

( )

蟎

		( )		
20% 蟎 SC (cyflumetofen)	1-1.2	2000	蟎	12

蟎 *Tetranychus Kanzawai* Kishida

( )

	97 9 10	(2)
寬	97 5 6	(2)
	97 5 6	(2)

*

( )

1.

10% WP

5% CS

2. 4 5 3
60

3. 10 蟎 ( )

4. ( )

① 7 14 21 28

蟎

蟎 (蟎)

$$(\%)\ 1\ \left(\frac{\text{蟎} \times \text{蟎}}{\text{蟎} \times \text{蟎}}\right) \times 100$$

②

5. 蟎 $(x\ 0.5)^{1/2}$

蟎 5%

( )

		蟎蟎		蟎 /4
		蟎		
①10%	WP 1000	1027.3a	77.3a	607.0a
②10%	WP 2000	4579.0b	142.0a	593.7a
③10%	WP 3000	2899.3ab	49.3a	562.7a
④5%	CS 500	1950.0ab	169.7a	579.7a
⑤C.K		2061.3ab	35.7a	519.7a

7 蟎

		蟎			(%)			
①10%	WP 1000	157.3a	7.7ab	77.7a	79.2	94.8	90.4	88.13
②10%	WP 2000	305.3a	35.7ab	93.0a	90.9	86.9	88.2	88.67
③10%	WP 3000	177.7a	19.0ab	131.3a	91.7	79.9	82.4	84.67
④5%	CS 500	364.3a	4.0a	250.3b	74.6	98.8	67.5	80.30
⑤C.K		1517.3b	68.3b	690.7c				

14 蟎

		蟎			(%)			
①10%	WP 1000	126.3a	32.0a	57.7a	90.4	73.3	93.6	85.77
②10%	WP 2000	225.0a	63.0a	115.7ab	96.2	71.4	87.0	84.87
③10%	WP 3000	196.7a	34.7a	175.7b	94.7	54.6	79.1	76.13
④5%	CS 500	368.3a	34.0a	298.0c	85.2	87.1	65.6	79.30
⑤C.K		2635.7b	55.3a	776.3d				

21 蟎

		蟎			(%)			
①10%	WP 1000	50.3a	53.7a	83.0a	96.0	76.7	90.0	87.57
②10%	WP 2000	77.3a	85.7ab	143.7b	98.6	79.7	82.3	86.87
③10%	WP 3000	160.0a	65.7ab	241.0c	95.4	55.2	68.6	73.07
④5%	CS 500	385.3b	162.3b	279.3c	83.7	67.9	64.7	72.10
⑤C.K		2498.0c	106.3ab	709.7d				

28 蟎

		蟎			(%)			
①10%	WP 1000	240.0a	72.7a	16.7a	49.9	94.2	91.1	78.40
②10%	WP 2000	372.0a	179.3b	24.3a	82.6	92.2	86.7	87.17
③10%	WP 3000	782.0bc	380.0c	56.7ab	42.1	52.4	67.3	53.93
④5%	CS 500	502.3ab	240.3b	81.3b	44.7	91.2	54.4	63.43
⑤C.K		960.7c	577.7d	160.0c				

( )

蟎

		( )		
10% WP (tebufenpyrad)	1.0-1.5	2000	蟎	6

Aphis gossypii
Aphis pomi
Aphis citricola van der Goot

( )

	96 4		( )
	97 10 11		
	95 5 6	東勢	( )

*

( )

1. _____

_____

10% WG

9.6% SL

_____

2. 1 4 4 16

3.

4.

① 3 7 14 21 28
25

$$(\%)\quad 1\quad (\ \frac{\times}{\times}\ )\times 100$$

②

5. (x 0.5)1/2
5%

( )

( )/25

①10%	WG 2000	1915.8a		121a	219.0a			
②10%	WG 3000	1753.8a		109a	190.5a			
③9.6%	SL 3000	344.0a		133a	268.5a			
④C.K		474.0a		127a	182.5a			

3

					(%)			
①10%	WG 2000	110.3a	0a	8.3a	97.3	100.0	92.5	96.60
②10%	WG 3000	242.5a	0a	15.8a	93.5	100.0	83.6	92.37
③9.6%	SL 3000	54.8a	1.5a	17.0a	92.5	98.7	87.4	92.87
④C.K		1006.8b	114b	92.0b				

7

					(%)			
①10%	WG 2000	1.3a	0.3a	9.3a	99.9	99.7	92.2	97.27
②10%	WG 3000	15.5a	0.8a	19.3a	99.7	98.9	81.2	93.27
③9.6%	SL 3000	7.5a	3.3a	23.5a	99.3	97.2	83.7	93.40
④C.K		1450.8b	101b	98.0b				

14

					(%)			
①10%	WG 2000	24.0a	0.5a	9.5a	99.1	99.8	92.5	97.13
②10%	WG 3000	3.0a	0.0a	17.5a	99.8	100.0	84.1	94.63
③9.6%	SL 3000	4.5a	2.0a	19.8a	90.3	98.3	87.3	91.97
④C.K		641.8b	198b	105.5b				

21

					(%)			
①10%	WG 2000	14.8a	0.5a	5.0a	98.3	99.4	86.5	94.73
②10%	WG 3000	40.8a	2.0a	8.3a	95.0	98.5	74.3	89.27
③9.6%	SL 3000	33.5a	20.0b	7.3a	79.2	81.2	84.0	81.47
④C.K		221.5b	125c	30.8b				

28

					(%)			
①10%	WG 2000	149.5a	2.3a	1.9a	89.7	93.1	88.8	90.53
②10%	WG 3000	160.3a	4.0a	4.5a	88.0	85.9	66.8	80.23
③9.6%	SL 3000	131.5a	2.0a	2.5a	49.6	74.6	85.6	69.93
④C.K		359.5b	40.8b	13.0b				

( )

		( )		
10% WG (flonicamid)	0.5-1.0	3000		6

Frankliniella intonsa Trybom

( )

98 2 4	( )	
98 3	( )	
97 12		

*

( )

1.

20% SG

2. 2 2 4

3. 7

4.

① 7

朵各 20 枚

(%) 1 (× / ×) × 100

②

5. (x) (x 1) 方分析

(P.S.) 5%

( )

( )/ 20

①20%	SG 2000	22.8a	18.3a	5.5a
②20%	SG 3000	19.8a	17.3a	6.0a
③C.K		19.3a	15.3a	7.0a

						(%)		
①20%	SG 2000	2.8a	10.3a	1.75a	74.5	65.3	68.2	69.33
②20%	SG 3000	1.8a	18.5ab	3.5a	81.1	34.0	41.7	52.27
③C.K		9.3b	24.8b	7.0b				

7

						(%)		
①20%	SG 2000	14.0a	9.5a	1.25a	50.6	85.5	78.1	71.40
②20%	SG 3000	14.8a	46.3b	3.0a	40.7	25.4	51.7	39.27
③C.K		24.3b	54.8b	7.25b				

( ) 20% SG 2000 20% SG 2000
20% SG 2000

( )

		( )		
20% SG (dinotefuran)	0.5-1.0	2000	7	3

蟎 *Panonychus citri* Mcgvegor

( )

	97 11 12	( )
	97 11 12	( )
	98 2 3	( )

*

( )

1.

10% WP

蟎 10% SC

2. 2 5 3 30

3. 5 蟎

4.

① 7 14 21 28

1 蟎

蟎 蟎

$$(\%)\ 1\ \left(\frac{\text{蟎} \times \text{蟎}}{\text{蟎} \times \text{蟎}}\right) \times 100$$

②

5. 蟎 $(x\ 0.5)^{1/2}$

蟎 5%

( )

蟎蟎 蟎 /20

	蟎		
①10% WP 1000	102.7a	153.7a	161.7bc
②10% WP 2000	144.7a	152.0a	162.7c
③10% WP 3000	198.7a	140.3a	145.0abc
④10% 蟎 SC 3500	154.3a	153.3a	142.0ab
⑤C.K	126.7a	189.7a	138.0a

7 蟎

	蟎			(%)			
①10% WP 1000	16.7a	52.8a	35.0a	90.3	77.1	84.2	83.87
②10% WP 2000	18.0a	51.8a	47.0a	92.6	77.2	74.9	81.57
③10% WP 3000	18.3a	53.2a	50.3a	94.5	74.8	69.9	79.73
④10% 蟎 SC 3500	39.3a	58.2a	48.0a	84.9	74.7	70.7	76.77
⑤C.K	213.3b	283.3b	159.0b				

14 蟎

		蟎			(%)			
①10%	WP 1000	4.7a	20.8a	49.7a	92.9	91.2	75.6	86.57
②10%	WP 2000	8.0a	28.5a	54.7a	91.4	87.9	73.4	84.23
③10%	WP 3000	11.3a	34.2a	64.3a	91.1	84.1	64.4	79.87
④10%	蟎 SC 3500	18.0a	38.3a	61.0a	81.8	83.8	65.9	77.17
⑤C.K		81.3b	291.5b	174.0b				

21 蟎

		蟎			(%)			
①10%	WP 1000	12.7a	8.2a	57.0a	91.3	96.7	69.1	85.70
②10%	WP 2000	8.7a	15.2a	67.7a	95.8	93.8	63.5	84.37
③10%	WP 3000	6.7a	31.3a	62.0a	97.6	92.4	62.5	84.17
④10%	蟎 SC 3500	67.3b	16.3a	59.7a	69.2	96.4	63.1	76.23
⑤C.K		179.3c	300.7b	157.3b				

28 蟎

		蟎			(%)			
①10%	WP 1000	24.7a	37.5a	65.7a	88.9	80.2	66.2	78.43
②10%	WP 2000	36.0ab	32.2a	71.7a	88.6	82.9	63.3	78.27
③10%	WP 3000	43.3ab	36.3a	73.0a	90.0	79.1	58.1	75.73
④10%	蟎 SC 3500	54.7b	16.2a	68.7a	83.7	91.5	59.7	78.30
⑤C.K		276.0c	234.2b	165.7b				

( )

蟎

		( )		
10% WP (tebufenpyrad)	0.3-0.4	3000	蟎	6

Planococcus citri Risso

( )

97 8-9 ( )

*

( )

1.

50% EC 800
11% EC 1500

2. 2 3 4 24

3. 7

4. 7 14 21
冠周圍(東、南、西、北及中央)共 5 個方位，
2 10

( )

		( )		
11% EC (pyriproxyfen)	0.75-1.0	1500	7	6
50% EC (malathion)	1.5-2.0	800	7	8

雜草類

( )

97 4 5
97 7 9
97 4 6

*

( )

1.

NNH-950 30.15% SC
( ) 41% SL

2. 4
10

3.

	(/)	
①30.15% NNH-950 SC	4	600
②30.15% NNH-950 SC	6	600
③41% ( ) SL	5	600
④		3-4
⑤		

4.

①

②

a. 10-20 ( )
0-100% 0 100 30-35
0.5-1.0 2

b.

③

a.

b.

5. (5%)

( )

15-20

	(%)											
①	68b	74a	31b	60a	70a	73a	99a	94a	92a	89a	81a	38a
②	80a	86a	64a	55a	75a	89a	91a	98a	93a	90a	86a	40a
③	83a	79a	53a	65a	71a	79a	99a	91a	95a	83ab	80a	23a
④	78ab			14b			39b			68ab		
⑤	0c			0c			0c			0c		

30.15% NNH-950 SC

15-20

15

(68%)

91%

55-65%

90%

(92%

) (87.5%) (31.3%)

30-35

	(%)											
①	65c	55a	70a	54a	52a	88a	86a	75a	83a	85a	70a	68a
②	78ab	63a	88a	51a	62a	96a	80a	79a	90a	86a	76a	68a
③	83a	52a	80a	55a	60a	93a	89a	69a	80a	80b	64a	75a
④	68bc			8b			68b			49b		
⑤	0d			0c			0c			0c		

30.15% NNH-950 SC 35-40 15-20 ( )

31 15 65-78%

51-54% 80-86% 5 L ha^{-1}

36 19

80-95%

30-35

	(g/m^2)													
①	398	97	130	3	0	15	146	819	7	59	102	72	603b	1018c	228c
②	198	91	76	5	0	13	106	808	16	387	108	11	387b	1007c	121c
③	96	180	106	15	0	13	40	1336	5	192	159	124	192b	1675b	254c
④	601	152	584	20	0	105	323	1330	144	1130	164	196	1130a	1646b	1035b
⑤	828	341	1320	6	0	59	570	2845	384	1559	336	658	1559a	3522a	2428a

30.15% NNH-950 SC 6 L ha^{-1} 4 L ha^{-1} 35-40 (5 L ha^{-1})

( )

1.

2.

(6 L ha^{-1})

30.15% NNH-950 SC 6 L ha^{-1}
(4 L ha^{-1}) (5 L ha^{-1})

( )

		( )			
30.15% SC (pyraflufen-ethyl + glyphosate-isopropylammonium)	6	600			

V 花 卉

病害類

Sphaerotheca pannosa (Wallr.) Lev.

( )

	97 5 6	( )
	98 2 3	( )
	96 11 12	( )

*

( )

1.

	50% WG
	18.6% EC

2. 20 4

3. 7

4.

① 7

10

0 1 1-5%

2 6-25% 3 26-50% 4 51%

(%) Σ(×)/(4×)×100

②

5. Duncan's

1% 5%

( )

										(%)	
			5%	1%		5%	1%		5%	1%	
①50%	WG 1500	1.4	a	a	1.1	a	a	29.6	a	a	
②50%	WG 2500	1.4	a	a	2.4	a	a	34.8	a	a	
③18.6%	EC 1000	1.7	a	a	2.1	a	a	27.1	a	a	
④C.K		1.8	a	a	3.1	a	a	35.6	a	a	

										(%)	
			5%	1%		5%	1%		5%	1%	
①50%	WG 1500	2.0	a	a	1.5	a	a	84.0	a	a	
②50%	WG 2500	2.3	a	a	3.1	a	a	84.1	a	a	
③18.6%	EC 1000	2.5	a	a	2.4	a	a	87.1	a	a	
④C.K		10.2	b	b	11.9	b	b	92.0	a	a	

7

										(%)	
			5%	1%		5%	1%		5%	1%	
①50%	WG 1500	2.9	a	a	0.8	a	a	89.4	a	a	
②50%	WG 2500	3.2	a	a	1.3	a	a	91.4	a	a	
③18.6%	EC 1000	3.3	a	a	4.4	a	a	88.0	a	a	
④C.K		18.9	b	b	29.1	b	b	96.1	a	a	

( )

		( )		
50% WG (boscalid)	0.4	2500	7	

VI 特用作物

病害類

Exobasidium vexans Mass.

( )

97 5 6		( )
97 5 6		
95 8		( )

*

( )

1.

11.8% SC		
30% WP		3000

2. 4 3
20 ( )

3.
150-200
10

4.
①
a. 0 1 2 3 4
0
1 10%( )
2 10% 30%( )
3 30% 50%( )
4 50%
b. (%) Σ(×)/(4×)×100
c. 10

② 20 × 20cm
2 3 10 5 50

/

③ 10 ( )
10 ( ) 10

④

5.

(P.S.) 5%

( )

		(%)		
①11.8%	SC 2000	25.8a	40.0a	20.3a
②11.8%	SC 1500	30.0a	40.2a	20.0a
③30%	WP 2000	30.8a	38.5a	20.3a
④C.K		33.3a	40.0a	20.3a

10

		(%)		
①11.8%	SC 2000	35.0b	31.6ab	14.7a
②11.8%	SC 1500	20.0a	26.6a	13.7a
③30%	WP 2000	30.0ab	35.0b	14.7a
④C.K		41.7b	60.8c	23.7b

8

10

		(%)		
①11.8%	SC 2000	16.7b	8.3a	8.3a
②11.8%	SC 1500	0a	6.5a	8.0a
③30%	WP 2000	0a	19.2b	9.0a
④C.K		18.3b	37.5c	26.0b

8

10

		(%)		
①11.8%	SC 2000	24.2c	0.8a	2.7a
②11.8%	SC 1500	0a	0.0a	3.3a
③30%	WP 2000	0a	0.8a	2.7a
④C.K		15b	14.1b	29.3b

(/)

①11.8%	SC 2000	0.5a	1.3a	1.6ab
②11.8%	SC 1500	0.8a	1.4b	1.6ab
③30%	WP 2000	1.2a	1.4b	1.4a
④C.K		0.9a	1.3a	1.6b

10 (/)

①11.8%	SC 2000	0.2ab	1.1b	1.1a
②11.8%	SC 1500	0.1ab	0.9a	1.1a
③30%	WP 2000	0.0a	1.2b	1.2a
④C.K		0.3b	3.2c	1.8b

8

10 (/)

①11.8%	SC 2000	0.1a	0.2a	0.4a
②11.8%	SC 1500	0a	0.1a	0.3a
③30%	WP 2000	0a	0.8b	0.4a
④C.K		0.2a	1.6c	2.0b

8

10 (/)

①11.8%	SC 2000	1.0b	0a	0.2a
②11.8%	SC 1500	0a	0a	0.2a
③30%	WP 2000	0a	0a	0.3a
④C.K		0.6ab	0.7c	2.1b

( )

		( )		
11.8% SC (flutriafol)	0.5	2000	7-10	21

Exobasidium vexans Mass.

( )

96 6 7	( )	
96 4 6	(20 18)	
96 3 4	( )	

*

( )

1.

25% WP	
30% WP	3000

2. 3 4
20 ( )

3.
150-200
10

4. ( )

①

a. 0 1 2 3 4

0

1 10%( )

2 10% 30%( )

3 30% 50%( )

4 50%

b. (%) Σ(×)/(4×)×100

c. 10

② 20×20cm

10 ( )

50

/

③ 10 ( )

10 ( ) 10

④

5.

(P.S.) 5%

( )

		(%)		
①25%	WP 2000	46.5a	46.7a	24.1a
②25%	WP 1500	36.4a	52.5a	24.3a
③30%	WP 2000	54.5a	44.2a	24.3a
④C.K		39.0a	45.0a	24.5a

10

		(%)		
①25%	WP 2000	25.8a	39.2a	15.7a
②25%	WP 1500	21.4a	46.7a	15.2a
③30%	WP 2000	28.3a	45.0a	14.5a
④C.K		29.9a	42.5a	24.3b

10

		(%)		
①25%	WP 2000	17.5ab	34.2a	11.2a
②25%	WP 1500	10.6a	40.8a	10.9a
③30%	WP 2000	33.3c	30.8a	9.8a
④C.K		25.6bc	39.2a	25.6b

11

10

		(%)		
①25%	WP 2000	5.8a	36.7a	2.8a
②25%	WP 1500	5.6a	38.3a	3.3a
③30%	WP 2000	8.1a	29.2a	3.2a
④C.K		9.0a	36.7a	29.6b

9

(/)

①25%	WP 2000	46.6a	2.8a	1.6b
②25%	WP 1500	39.7a	3.6a	1.6b
③30%	WP 2000	58.7a	2.3a	1.5a
④C.K		56.8a	2.3a	1.6b

10 (/)

①25%	WP 2000	5.6a	2.2a	1.1a
②25%	WP 1500	4.9a	2.4a	1.2a
③30%	WP 2000	20.3b	1.7a	1.1a
④C.K		26.4b	2.4a	1.9b

10 (/)

①25%	WP 2000	0.9a	1.3a	0.3a
②25%	WP 1500	0.2a	1.4a	0.5a
③30%	WP 2000	4.8a	2.1a	0.4a
④C.K		7.2a	1.9a	2.0b

11

10 (/)

①25%	WP 2000	0a	1.6a	0.3a
②25%	WP 1500	0a	1.5a	0.2a
③30%	WP 2000	0a	0.6a	0.3a
④C.K		0.2a	1.0a	2.0b

9

( )

		( )		
25% WP triadimefon	0.5	2000	10	15

Glomerella cingulata (Stonem) S.& Sc.
Colletotrichum camelliae (Cook) Battler
Gloeosporium theae-sinensis Miyake

( )

97 5 6	( )
95 5 6	(24)
94 10 11	( )
96 8 9	( )

*

( )

1.

11.6% EW

50% WP

2. 3 4
20 ( )

3. 7 7
150-200

4.
①

a. 3 20×20
10 30

b.
0

1 1 5
2 5 10
3 10
c. (%) Σ(×)/(3×)×100

②

(%) /

③ 7
14

④

5.

(P.S.) 5%

( )

( )

			(%)		
①11.6%	EW 2000	8.4a	48.9bc	15.7a	14.4a
②11.6%	EW 1500	7.7a	43.3c	15.3a	20.0a
③50%	WP 1500	11.4a	55.2ab	15.3a	20.0a
④C.K		6.7a	58.5a	15.7a	17.0a

7 ( )

			(%)		
①11.6%	EW 2000	2.1a	38.9a	13.7a	16.3a
②11.6%	EW 1500	1.2a	36.3a	15.0a	23.3a
③50%	WP 1500	1.5a	50.8a	14.7a	21.5a
④C.K		11.2b	50.8a	16.7b	17.0a

7 ( )

			(%)		
①11.6%	EW 2000	2.9a	23.0a	7.3b	14.1a
②11.6%	EW 1500	1.1a	24.5a	6.3a	32.6b
③50%	WP 1500	8.4b	31.5a	6.0a	31.9b
④C.K		10.2b	31.8a	16.0c	27.4ab

7 ( )

		(%)			
①11.6%	EW 2000	17.9a	18.9a	3.3a	16.3a
②11.6%	EW 1500	16.7a	26.3a	2.7a	25.2a
③50%	WP 1500	26.6a	29.3a	4.3b	24.1a
④C.K		33.2b	23.7a	17.3c	28.2a

14 ( )

		(%)			
①11.6%	EW 2000	30.3a	30.0a	4.0b	13.0a
②11.6%	EW 1500	29.5a	36.7a	2.3a	22.2a
③50%	WP 1500	44.0b	43.0a	5.3c	15.2a
④C.K		47.4b	43.0a	18.3d	19.3a

( )

		(%)			
①11.6%	EW 2000	0a	0a	0.7a	8.8a
②11.6%	EW 1500	0a	0a	0.7a	10.8a
③50%	WP 1500	0a	0a	0.7a	7.8a
④C.K		0a	0a	1.0a	7.2a

7 ( )

		(%)			
①11.6%	EW 2000	0a	0a	0.3a	4.1a
②11.6%	EW 1500	0a	0a	0.3a	3.8a
③50%	WP 1500	0a	0a	0.3a	5.9a
④C.K		0a	0a	1.0a	1.7a

7 ( )

		(%)			
①11.6%	EW 2000	0.3a	0a	0.3a	8.2a
②11.6%	EW 1500	0.1a	0a	0.3a	12.2a
③50%	WP 1500	1.3a	0a	0.3a	6.9a
④C.K		3.7a	0a	1.0a	6.0a

7 ( )

	(%)			
①11.6% EW 2000	5.9a	0.2a	0.3a	8.8a
②11.6% EW 1500	3.8a	0.1a	0.7a	14.7a
③50% WP 1500	9.2ab	0.2a	0.3a	10.5a
④C.K	13.4b	0.2a	1.7b	8.4a

14 ( )

	(%)			
①11.6% EW 2000	10.6ab	0.2a	0.3a	7.1a
②11.6% EW 1500	7.5a	0.1a	0.3a	16.7a
③50% WP 1500	14.4bc	0.2a	1.0ab	7.2a
④C.K	18.1c	0.2a	1.7b	5.5a

( )

		( )		
11.6% EW (tetraconazole)	0.5	2000	7	21

蟲害類

蟎 *Tetranychus Kanzawai* Kishida

( )

	97 3 4	(20 12)
	96 10	
	97 4 5	12

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1.

Spirodiclofen	30% SC
蟎	10% SC

2. 4 3 30

3. 蟎

150-200 7.5-12

4.

① 蟎 3 7 14 21

50 蟎

蟎

(%) 1 (蟎 × 蟎 / 蟎 × 蟎) × 100

②

5. 蟎 (x) log(x 1)

5%

( )

蟎(蟎)蟎 (/50)

	蟎		
①30% Spirodiclofen SC 2500	1.5a	111.3a	26.8a
②30% Spirodiclofen SC 2000	0.8a	117.3a	24.3a
③10% 蟎 SC 4000	1.8a	114.5a	72.0a
④C.K	0.8a	109.5a	37.0a

3 蟎(蟎)

	蟎			(%)			
①30% Spirodiclofen SC 2500	0.3a	64.3b	8.3a	75.0	51.3	49.1	58.47
②30% Spirodiclofen SC 2000	1.0a	50.5a	8.3a	0	63.7	43.8	35.83
③10% 蟎 SC 4000	0.5a	60.5b	9.0a	57.1	55.5	79.4	64.00
④C.K	0.5a	130.0c	22.5a				

7 蠕(蠕)

	蠕			(%)			
①30% Spirodiclofen SC 2500	0.0a	23.8b	15.0a	0	85.7	43.0	42.90
②30% Spirodiclofen SC 2000	0.3a	16.5a	7.5a	0	90.6	68.5	53.03
③10% 蠕 SC 4000	0.0a	31.8b	6.5a	0	81.4	90.8	57.40
④C.K	0.0a	163.3c	36.3a				

14 蠕(蠕)

	蠕			(%)			
①30% Spirodiclofen SC 2500	0.0a	4.0a	11.5abc	100.0	98.1	63.1	87.07
②30% Spirodiclofen SC 2000	0.3a	3.3a	10.3ab	66.7	98.5	63.5	76.23
③10% 蠕 SC 4000	0.0a	31.3b	7.0a	100.0	85.9	91.6	92.50
④C.K	0.8a	211.8c	43.0c				

21 蠕(蠕)

	蠕			(%)			
①30% Spirodiclofen SC 2500	0.5a	1.5a	27.5ab	0	99.4	0.9	33.43
②30% Spirodiclofen SC 2000	0.0a	0.5a	18.3ab	0	99.8	27.3	42.37
③10% 蠕 SC 4000	0.3a	36.5b	16.3a	0	85.0	78.2	54.40
④C.K	0.0a	232.8c	38.3b				

蠕(蠕)蠕 (/50)

	蠕		
①30% Spirodiclofen SC 2500	7.0a	63.8a	94.0a
②30% Spirodiclofen SC 2000	3.0a	62.5a	112.3a
③10% 蠕 SC 4000	7.8a	62.8a	215.1a
④C.K	3.0a	59.8a	91.8a

3 蟎(蟎)

	蟎			(%)			
①30% Spirodiclofen SC 2500	1.0a	10.3b	18.5a	42.9	87.3	82.2	70.80
②30% Spirodiclofen SC 2000	1.8a	5.5a	15.3a	0	93.1	87.7	60.27
③10% 蟎 SC 4000	1.3a	19.5c	7.3a	35.5	75.6	96.3	69.13
④C.K	0.8a	76.0d	101.8b				

7 蟎(蟎)

	蟎			(%)			
①30% Spirodiclofen SC 2500	0.5a	5.5b	9.3a	78.6	93.1	94.5	88.73
②30% Spirodiclofen SC 2000	0.5a	2.3a	5.0a	50.0	97.0	97.5	81.50
③10% 蟎 SC 4000	0.3a	10.3b	9.0a	90.3	86.8	97.7	91.60
④C.K	1.0a	74.3c	164.3b				

14 蟎(蟎)

	蟎			(%)			
①30% Spirodiclofen SC 2500	0.3a	3.0b	21.0a	93.9	96.6	87.4	92.63
②30% Spirodiclofen SC 2000	1.0a	1.3a	21.5a	42.9	98.5	89.2	76.87
③10% 蟎 SC 4000	0.3a	11.8c	51.0a	94.5	86.6	86.6	89.23
④C.K	1.8a	83.8d	162.8b				

21 蟎(蟎)

	蟎			(%)			
①30% Spirodiclofen SC 2500	0.3a	4.3b	99.3ab	94.6	95.3	49.9	79.93
②30% Spirodiclofen SC 2000	1.3a	1.5a	47.3a	37.5	98.3	80.0	71.93
③10% 蟎 SC 4000	1.0a	14.3c	44.5a	80.6	84.2	90.2	85.00
④C.K	2.0a	86.0d	193.5b				

蠕( )卵 (/50)

	卵		
①30% Spirodiclofen SC 2500	20.5a	16.8a	200.5a
②30% Spirodiclofen SC 2000	17.0a	12.3a	212.0a
③10% 蠕 SC 4000	18.8a	11.8a	410.3a
④C.K	14.8a	12.0a	229.8a

3 蠕( )

	卵			(%)			
①30% Spirodiclofen SC 2500	3.5a	3.8ab	89.5ab	47.0	79.9	49.1	58.67
②30% Spirodiclofen SC 2000	8.8a	2.0a	66.0a	0.0	85.5	64.5	50.00
③10% 蠕 SC 4000	6.0a	4.8b	111.5ab	0.6	63.8	69.1	44.50
④C.K	4.8a	13.5c	201.3b				

7 蠕( )

	卵			(%)			
①30% Spirodiclofen SC 2500	8.8a	4.0a	67.5a	38.6	88.0	62.5	63.03
②30% Spirodiclofen SC 2000	6.3a	4.5a	22.5a	47.1	81.6	88.2	72.30
③10% 蠕 SC 4000	10.5a	6.0a	87.5a	19.4	74.4	76.3	56.70
④C.K	10.3a	23.8b	206.5b				

14 蠕( )

	卵			(%)			
①30% Spirodiclofen SC 2500	5.0a	0.8a	94.5a	42.4	98.5	70.4	70.43
②30% Spirodiclofen SC 2000	7.0a	0.3a	68.3a	2.8	99.2	73.0	58.33
③10% 蠕 SC 4000	2.5a	8.0b	101.0a	68.5	79.1	84.5	77.37
④C.K	6.3a	39.0c	365.8b				

21 蟎( )

	卵					(%)	
①30% Spirodiclofen SC 2500	4.5b	0.8a	116.5ab	48.2	98.9	50.4	65.83
②30% Spirodiclofen SC 2000	10.8c	0.3a	70.5a	0	99.4	71.2	56.87
③10% 蟎 SC 4000	2.3a	16.0b	56.0a	71.7	67.8	88.4	75.97
④C.K	6.3b	50.5c	269.3b				

( )

蟎

		( )		
30% SC (spirodiclofen)	0.4	2500	蟎	21

Jacobiasca formosana (Paoli)

( )

	97	10	11	鹿野	12
	97	3			12
光	98	8			( )

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( )

1.

10% WG
10% EC
20% SP

2. 50-60 3-5
4

3.

150-200

7.5-12

4.

① 3 7 14 21

12

$$(\%)\ 1\ \left(\frac{\times}{\times}\right)\times 100$$

② 7 14 21 100

③ 14 21 10

④

5. (x) (x 0.5)$^{1/2}$

(P.S.)

5%

( )

( ) (/ 12)

①10%	WG 2000	6.8a	1.3a	22.0ab
②10%	WG 3000	6.3a	3.8b	25.3ab
③10%	EC 2000	6.8a	1.3a	20.8a
④20%	SP 4000	6.3a	1.0a	19.3a
⑤C.K		7.0a	1.0a	27.5b

3 ( )

					(%)			
①10%	WG 2000	2.0a	1.3ab	1.8a	77.9	0.0	93.2	57.03
②10%	WG 3000	4.0b	3.8c	2.3a	52.2	0.0	92.3	48.17
③10%	EC 2000	7.3cd	1.8b	10.0c	19.2	0.0	58.6	25.93
④20%	SP 4000	5.0bc	0.3a	4.3b	40.3	75.0	81.0	65.43
⑤C.K		9.3d	1.0ab	32.0d				

7 ( )

					(%)			
①10%	WG 2000	5.0a	1.0a	1.5a	72.6	84.0	93.2	83.27
②10%	WG 3000	6.8a	2.0bc	1.5a	59.8	78.7	94.1	77.53
③10%	EC 2000	13.5b	1.5abc	9.0c	26.1	52.0	56.6	44.90
④20%	SP 4000	11.3b	1.3ab	4.8b	33.2	50.0	75.3	52.83
⑤C.K		18.8c	2.5c	27.5d				

14 ( )

					(%)			
①10%	WG 2000	7.0a	0.8a	1.8a	57.1	76.0	91.9	75.00
②10%	WG 3000	8.0a	2.0b	3.3a	47.1	78.7	86.9	70.90
③10%	EC 2000	8.5a	2.3b	6.8b	47.9	28.0	66.9	47.60
④20%	SP 4000	12.3b	1.5ab	5.8b	18.7	40.0	69.6	42.77
⑤C.K		16.8c	2.5b	27.0c				

21 ( )

					(%)			
①10%	WG 2000	5.8a	0.8a	6.0b	62.7	73.3	73.2	69.73
②10%	WG 3000	5.8a	2.3b	3.0a	59.7	73.3	88.3	73.77
③10%	EC 2000	10.8b	2.0b	7.3b	30.5	28.9	65.7	41.70
④20%	SP 4000	8.8ab	2.0b	8.3b	38.9	11.1	57.9	35.97
⑤C.K		16.0c	2.3b	28.0c				

		( )			(/ 12)
①10%	WG 2000	4.5a	4.8a	7.3a	
②10%	WG 3000	5.8a	4.3a	9.3a	
③10%	EC 2000	6.0a	4.8a	7.5a	
④20%	SP 4000	4.3a	2.5a	7.0a	
⑤C.K		7.0a	4.0a	12.8b	

3 ( )

					(%)			
①10%	WG 2000	0.8a	3.3ab	0.8a	84.0	35.6	94.1	71.23
②10%	WG 3000	1.5bc	3.8b	1.0a	76.8	17.0	93.9	62.57
③10%	EC 2000	3.8c	3.5b	2.3a	43.2	30.7	83.0	52.30
④20%	SP 4000	3.3c	2.3a	3.0a	31.1	15.3	75.7	40.70
⑤C.K		7.8d	4.3b	22.5b				

7 ( )

					(%)			
①10%	WG 2000	1.5a	1.8a	1.0a	68.0	73.2	90.7	77.30
②10%	WG 3000	2.3ab	2.3ab	0.8a	62.0	61.5	94.6	72.70
③10%	EC 2000	3.8b	4.8c	4.3b	39.3	27.3	62.0	42.87
④20%	SP 4000	3.8b	4.0bc	1.3a	15.3	0.0	88.0	34.43
⑤C.K		7.3c	5.5c	19.0c				

14 ( )

					(%)			
①10%	WG 2000	1.3a	2.0a	1.8a	81.3	67.9	84.2	77.80
②10%	WG 3000	3.5b	3.0ab	1.5a	60.9	46.2	89.4	65.50
③10%	EC 2000	5.5b	3.3ab	6.8b	40.6	47.9	41.2	43.23
④20%	SP 4000	5.5b	3.5b	2.5a	17.1	0.0	76.6	31.23
⑤C.K		10.8c	5.3c	19.5c				

21 ( )

					(%)			
①10%	WG 2000	0.8a	3.8a	2.0a	84.4	51.4	84.9	73.57
②10%	WG 3000	4.3b	4.3ab	1.5a	35.1	38.5	91.1	54.90
③10%	EC 2000	4.0b	4.0a	6.0c	41.7	48.2	56.1	48.67
④20%	SP 4000	4.3b	6.0bc	3.5b	12.5	0.0	72.6	28.37
⑤C.K		8.0c	6.5c	23.3d				

7 (100)

①10%	WG 2000	12.8a	20.6a	8.8a	14.07
②10%	WG 3000	13.8a	14.6a	11.3a	13.23
③10%	EC 2000	20.5b	14.6a	10.5a	15.20
④20%	SP 4000	17.5b	27.3a	8.8a	17.87
⑤C.K		27.8c	9.5a	27.5b	21.60

14 (100)

①10%	WG 2000	14.0a	9.5a	8.5a	10.67
②10%	WG 3000	16.0a	20.6a	8.8a	15.13
③10%	EC 2000	26.0b	79.4b	7.8a	37.73
④20%	SP 4000	27.0bc	72.7b	9.5a	36.40
⑤C.K		32.0c	50.0ab	23.3b	35.10

21 (100)

①10%	WG 2000	16.3a	9.5a	9.8a	11.87
②10%	WG 3000	25.5b	27.3ab	8.5a	20.43
③10%	EC 2000	32.0bc	79.4c	8.8a	40.07
④20%	SP 4000	36.0c	72.7bc	8.5a	39.07
⑤C.K		36.0c	65.5bc	24.3b	41.93

14 (/10)

		( )		
①10%	WG 2000	1.3a	0.0a	0.0a
②10%	WG 3000	1.0a	0.0a	0.0a
③10%	EC 2000	1.3a	0.0a	0.0a
④20%	SP 4000	0.8a	0.0a	0.0a
⑤C.K		1.8a	0.0a	2.5b

21 (/10)

		( )		
①10%	WG 2000	1.0a	0.0a	0.8a
②10%	WG 3000	0.5a	0.0a	0.5a
③10%	EC 2000	0.5a	0.0a	0.3a
④20%	SP 4000	1.0a	0.0a	0.3a
⑤C.K		1.8a	0.0a	2.8b

( )

		( )		
10% WG (flonicamid)	0.35	3000		21

Ⅶ 其 他

有害動物防除

( )

	98 2 4
	97 7 11
	98 2 3

*

( )

1.

	0.005% RB 40g/
	0.005% RB 40g/
	0.005% RB( ) 40g/

2. 4
( ) 1
200 25 20

3.
① 5
② 5 5 40
③ 10 5

4.

5. (%) [A B A]×100%
A
B

( )

		( )			( )		
①0.005%	RB	11.0	21.8	18	358.5	2670	2155
②0.005%	RB	13.0	21.8	15	403.6	2810	1835
③0.005%	RB( )	11.8	21.2	16	382.5	2700	1815
④C.K		12.4	22.4	11	371.4	2920	1310

		( )			( )		
①0.005%	RB	20	22.8	22	361.0	830	820
②0.005%	RB	22	21.2	22	557.1	740	840
③0.005%	RB( )	13	20.8	20	344.1	790	800
④C.K		17	24.2	20	672.5	940	800

		( )			( )		
①0.005%	RB	1.4	6.6	8	41.4	520	1110
②0.005%	RB	7.6	9.0	9	156.5	760	1145
③0.005%	RB( )	7.4	7.2	9	288.5	680	1250
④C.K		17.0	24.4	20	499.4	3880	3385

		(%)			
①0.005%	RB	83.7	69.7	55.6	69.67
②0.005%	RB	47.4	58.7	40.0	48.70
③0.005%	RB( )	44.4	66.0	43.8	51.40
④C.K					

( )

		( )		
0.005% RB (flocoumafen)	1		50 15-20	

雑草防除

( )

	97 10 11	( )
	97 10 11	( )
	98 2 3	

*

( )

1.

Halosulfuron-methyl	75% WG	
	10% WP	
	10% WP	

2. 4
10

3.

			(/)	
①75% WG	Halosulfuron-methyl	0.3	1500	
②75% WG	Halosulfuron-methyl	0.4	1500	
③10%	WP	0.75	1500	
④10%	WP	1.5	600	3-4
⑤				

4.

①

②

a. 15-20 0.5 2
35-40

b.

③

a.

b.

5. (5%)

( )

15-20

	(%)									
	( )	( )		( )	( )		( )	( )		( )	( )	
①			91	31.9	88	31	29.9	39	78	70.5	21	100
②			91	34.4	85	27	31.9	39	82	72.5	23	100
③			89	35.4	95	22	39.4	37	90	70.3	31	99
④			83	31.4	79	47	34.2	38	70	61.5	35	100
⑤			81	0	0	48	0	0	72	0	0	99

( ) ( )

30-35

	(%)											
	( )	( )		( )	( )		( )	( )		( )	( )	
①	11.5		13	97.7	99	100	66.9	74	91	91.3	19	96
②	20.5		9	100	100	100	70.8	77	91	94.5	21	100
③	25.3		7	100	100	100	83.8	78	93	95.3	13	100
④	15.5		21	99.2	91	100	77.3	77	79	89.5	16	100
⑤	0		81	0	0	43	0	0	76	0	0	99

( ) ( )

30-35

(g/m²)

	( )	( )		( )	( )		( )	( )		( )	( )		( )	( )	
①	26.5	0	108	2.4	0.3	0	23.9	70	17.5	1.4	7.1	65.5	108b	78cd	128
②	25.4	0	102	0	0	0	17.6	66	25	0.5	4.5	74	90c	71d	127
③	22.8	0	49	0	0	0	7.7	60	4.5	0.2	3.2	22.5	66d	63d	53
④	27.0	0	153	0.6	0.4	0	17.3	89	67.5	1.1	3.2	58	92bc	92b	220
⑤	-29.8	0	84	14.9	7.1	47	52.9	160	143	21.8	19.3	6	217a	186a	282

( ) 15

35

( ) 15

35

20

35

3.5

( )

1.

2. ( )

( )

75% halosulfuron- methyl WG 0.3 kg ha^{-1}
0.4 kg ha^{-1}

( )

75% WG (halosulfuron- methyl)	0.3	1500			1. 2.

Ⅷ 保留案

蟲害類

蠕　*Tetranychus cinnabarinus* (Boisduval)

(　)

	97　4	(　)	(　)

*

(　)

1.

	20% WP
	1% EC

2.　　1　　2　　24
4

3.　　蠕　　7

4.

①　　7
20　　1　　20
蠕　　蠕

(%)　1　(　蠕　×　蠕　/　蠕　×　蠕　)×100

②

5.　　蠕　(x)　(x　1)　　方分析

(P.S.)　5%

( )

蠕蠕 蠕 (/20)

		蠕		
		( )	( )	( )
①20%	WP 3000	133.3a	231.1a	355.6a
②1%	EC 1500	117.8a	275.6a	335.6a
③C.K		275.6a	435.6a	328.9a

7 蠕

		蠕			(%)			
		( )	( )	( )	( )	( )	( )	
①20%	WP 3000	284.4ab	293.3b	462.2b	22.9	70.5	70.5	54.63
②1%	EC 1500	26.7a	62.2a	44.4a	91.9	94.8	97.0	94.57
③C.K		773.3b	1875.6c	1448.9c				

7 蠕

		蠕			(%)			
		( )	( )	( )	( )	( )	( )	
①20%	WP 3000	80.0a	266.7a	302.2a	87.6	73.2	88.2	83.00
②1%	EC 1500	53.3a	62.2a	115.6a	90.6	94.8	95.2	93.53
③C.K		1333.3b	2746.7b	2364.4b				

( ) 20% WP 3000 1% EC 1500
蠕

( )

		( )		
1% EC (milbemectin)	0.6-0.8	1500	7	—

( )

Aulacaspis yasumatsui Takagi

( )

	97 12	98 3
	97 12	98 3
	97 12	98 3

*

( )

1.

3% GR

2. CRD 12

3. 30

4.

① 15 30

10 5cm

②

5. Duncan's 5%

( )

		97.12.08	97.12.23	98.01.07	98.01.22
①3%	GR 25kg ha^{-1}	27.6 ± 21.16a[a]	14.6 ± 22.96b	72.5 ± 89.12b	21.9 ± 28.29ab
②3%	GR 50kg ha^{-1}	10.4 ± 24.29	8.5 ± 20.47b	34.7 ± 80.03b	56.7 ± 65.69a
③3%	GR 75kg ha^{-1}	17.3 ± 16.93ab	29.2 ± 86.99a	36.1 ± 48.57b	28.0 ± 42.44ab
④3%	GR 100kg ha^{-1}	10.5 ± 24.85b	87.3 ± 89.94a	62.2 ± 26.05b	11.7 ± 21.04b
⑤C.K		0	0	151.0 ± 76.07a	54.4 ± 52.55ab

[a] a b *P* 0.05 LSD

		97.12.08	97.12.23	98.01.07	98.01.22
①3%	GR 25kg ha^{-1}	3.8 ± 2.65a[a]	79.5 ± 5.58a	139.4 ± 79.19a	34.0 ± 20.89ab
②3%	GR 50kg ha^{-1}	28.7 ± 40.85a	89.3 ± 36.04a	131.6 ± 95.24a	46.9 ± 42.57a
③3%	GR 75kg ha^{-1}	20.4 ± 17.33a	62.2 ± 62.57a	109.9 ± 63.52a	6.1 ± 6.47b
④3%	GR 100kg ha^{-1}	20.1 ± 12.36a	52.4 ± 9.39a	69.3 ± 49.85a	14.3 ± 12.59ab
⑤C.K		19.4 ± 21.14a	42.3 ± 56.83a	113.8 ± 172.15a	20.5 ± 21.39a

( )

		98.02.06	98.02.20	98.03.06
①3%	GR 25kg ha^{-1}	18.5 ± 15.31a	93.3 ± 19.11a	105.9 ± 30.38a
②3%	GR 50kg ha^{-1}	22.6 ± 6.79a	72.4 ± 29.18ab	66.3 ± 28.33a
③3%	GR 75kg ha^{-1}	10.2 ± 6.01a	57.5 ± 11.66ab	78.9 ± 30.00a
④3%	GR 100kg ha^{-1}	14.5 ± 11.43a	54.5 ± 22.55b	73.0 ± 80.70a
⑤C.K		16.7 ± 17.90a	50.2 ± 35.80b	91.2 ± 91.47a

[a] a b *P* 0.05 LSD

		97.12.08	97.12.23	98.01.07	98.01.22
①3%	GR 25kg ha^{-1}	1.0 ± 0.68a[a]	63.2 ± 60.09a	14.4 ± 10.48b	16.4 ± 7.67a
②3%	GR 50kg ha^{-1}	10.6 ± 14.85a	43.7 ± 38.73a	86.2 ± 57.26a	14.1 ± 8.02ab
③3%	GR 75kg ha^{-1}	4.2 ± 4.62a	29.7 ± 51.38a	58.6 ± 28.96ab	3.8 ± 3.52b
④3%	GR 100kg ha^{-1}	11.1 ± 8.89a	51.1 ± 47.03a	40.2 ± 20.68ab	7.0 ± 9.39ab
⑤C.K		9.4 ± 14.26a	17.2 ± 23.08a	32.4 ± 24.12b	5.4 ± 4.57b

( )

		98.02.06	98.02.20	98.03.06
①3%	GR 25kg ha^{-1}	9.6 ± 1.42a	45.8 ± 18.15a	27.2 ± 22.92a
②3%	GR 50kg ha^{-1}	9.4 ± 7.81a	41.7 ± 11.91a	31.3 ± 18.37a
③3%	GR 75kg ha^{-1}	9.2 ± 9.46a	30.3 ± 14.35a	25.9 ± 20.53a
④3%	GR 100kg ha^{-1}	5.4 ± 4.51a	25.8 ± 10.67a	27.4 ± 15.35a
⑤C.K		4.9 ± 2.74a	27.0 ± 13.61a	22.9 ± 17.86a

[a] a b *P* 0.05 LSD

		97.12.15	98.01.02	98.01.16	98.01.30
①3%	GR 25kg ha^{-1}	16.3±16.90a[a]	19.5±19.52a	5.8±7.94a	0.5±0.57ab
②3%	GR 50kg ha^{-1}	2.7±3.99b	0.9±1.28b	2.9±3.72a	0.1±0.10b
③3%	GR 75kg ha^{-1}	2.8±3.78b	2.7±2.83b	0.9±1.75a	1.9±2.84a
④3%	GR 100kg ha^{-1}	6.9±5.08ab	3.7±4.93b	0.8±1.41a	0.7±0.80ab
⑤C.K		3.0±2.43b	0.7±1.23b	1.3±1.50a	0.5±0.95ab

( )

		98.02.13	98.02.27	98.03.13
①3%	GR 25kg ha^{-1}	0.8±0.90a	7.8±14.13a	0.2±0.17b
②3%	GR 50kg ha^{-1}	1.2±0.88a	0.4±0.80a	1.5±1.77a
③3%	GR 75kg ha^{-1}	1.0±1.95a	0	1.1±1.77ab
④3%	GR 100kg ha^{-1}	1.2±0.92a	0.9±1.80a	0
⑤C.K		0.5±1.00a	3.9±5.7a	0.7±1.35ab

[a] a b *P* 0.05 LSD

		98.05.06	98.05.28	98.06.10	98.06.23
①3%	GR 25kg ha^{-1}	124.2±75.33a	31.8±24.13a	31.5±12.86a	63.8±15.77a
②3%	GR 50kg ha^{-1}	62.1±23.67a	40.1±22.40a	32.6±11.34a	112.3±77.12a
③3%	GR 75kg ha^{-1}	89.9±47.95a	57.3±44.35a	37.9±26.21a	68.2±33.69a
④3%	GR 100kg ha^{-1}	101.8±59.01a	27.6±20.90a	41.0±26.54a	94.7±74.59a
⑤C.K		73.8±76.91a	45.8±34.94a	34.3±14.74a	99.7±74.55a

[a] a b *P* 0.05 LSD

		98.05.06	98.05.28	98.06.10	98.06.23
①3%	GR 25kg ha^{-1}	30.3±30.01a	29.3±9.92a	39.4±23.50a	24.0±7.16a
②3%	GR 50kg ha^{-1}	34.7±25.04a	62.6±32.83a	46.3±11.51a	29.2±14.31a
③3%	GR 75kg ha^{-1}	53.1±38.93a	71.9±53.15a	42.6±27.29a	35.6±23.56a
④3%	GR 100kg ha^{-1}	42.1±56.51a	44.0±26.32a	37.3±27.86a	30.7±29.05a
⑤C.K		26.1±23.73a	48.4±43.60a	38.3±29.23a	34.2±18.84a

[a] a b *P* 0.05 LSD

				(%)		(%)
①3%	GR 25kg ha^{-1}	124.2	97.7 ± 80.29a	78.6	8.3 ± 12.92a	26.2
②3%	GR 50kg ha^{-1}	62.1	26.9 ± 22.79a	43.3	13.8 ± 21.00a	34.3
③3%	GR 75kg ha^{-1}	89.9	50.9 ± 60.51a	56.6	27.3 ± 27.90a	47.6
④3%	GR 100kg ha^{-1}	101.8	74.3 ± 53.26a	72.9	3.8 ± 7.63a	13.9
⑤C.K		72.1	45.9 ± 63.22a	63.6	15.6 ± 19.56a	34.0

[a] a b *P* 0.05 LSD

				(%)		(%)
①3%	GR 25kg ha^{-1}	30.3	12.3 ± 26.17a	40.7	7.0 ± 10.36a	23.9
②3%	GR 50kg ha^{-1}	34.7	9.8 ± 18.68a	28.3	19.1 ± 20.47a	30.6
③3%	GR 75kg ha^{-1}	53.1	16.4 ± 25.73a	30.8	29.2 ± 29.50a	40.7
④3%	GR 100kg ha^{-1}	42.1	23.2 ± 51.76a	55.1	12.4 ± 9.53a	28.2
⑤C.K		26.1	4.8 ± 10.66a	18.3	10.2 ± 16.25a	21.2

[a] a b *P* 0.05 LSD

( )

		( )		
3% GR (carbofuran)	100		30	

( )

農薬名称索引

英　　文

metrafenone （ ）

milbemectin （ ）

NNH-950 （ ）

nuclear polyhedronsis virus
（ ）

penoxsulam （ ）

PRISTINE （ ）

pyraclostrobin （ ）

pyraclostrobin + boscalid （ ）

pyraclostrobin + dimethomorph
（ ）

pyraclostrobin + dithianon
（腈 ）

pyraflufen-ethyl +
glyphosate-isopropylammonium
（ ）

pyridaben （ ）

pyriproxyfen （ ）

spinosad （ ）

spirodiclofen （ ）

SPOD-X （ ）

tebufenpyrad （ ）

tetraconazole （ ）

thifluzamide （ ）

thiophanate-methyl （ ）

triadimefon （ ）

validamycin A （ ）

中　　文

(pyriproxyfen)
11% EC 93

10% WP 122

7

(chlorfenapyr)
10% SC 22 45 53 79

( )
40% WP 30

50% WP 106

-
2.9% EC 47

(carbendazim + hexaconazole)
34.5% SC 66 72

8

(azoxystrobin)
23% SC 26 73

20% SP 114

40% WP 3

蟎
10% SC 90 109

(epoxiconazole)
75g/L EC 6

48% EC 36

(fenthion)
50% EC 24

(fipronil)
4.95% SC 77

10% EC 114

(fenoxanil, BAS 546 05F)
20% SC 3

9

(chlorantraniliprole, CORAGEN)
18.4% SC 43 49

(*Bacillus subtilis*)
1×10^{10} cfu/ml AL 1

(flonicamid)
10% WG 86 114

25% WP 56

10

(imidacloprid)
9.6% SL 74 86
28.8% SL 56

(malathion)
50% EC 58 93

11

(cartap)
50% SP 24

(milbemectin)
1% EC 51 126

(tebufenpyrad)
10% WP 84 90

(nuclear polyhedronsis virus, SPOD-X)
2×10^{9} OBs/ml SC 53

(bifenthrin)
2.8% EC 58

(pyridaben)
20% WP 51 126

(deltamethrin)
2.8% EC 58
2.4% SC 22

15% SC 43

(chlorpyrifos)
40.8% EC 22

12

5% SC 20
23% SC 6

腈 (pyraclostrobin + dithianon)
16% WG 60

腈 醌
22.7% SC 34

13

(metrafenone)
42.37% SC 30 68

(mepronil)
75% WP 38 42

(methiocarb)
50% WP 47

(dinotefuran)
20% SG 11 56 74 89

(pyraclostrobin + dimethomorph)
18.7% WG 26 32 70

(dimethomorph)
50% WP 32 36

14

43.5% WP 70

(pyraflufen-ethyl + glyphosate-isopropylammonium, NNH-950)
30.15% SC 93

( )
41% SL 93

(flutolanil)
50% WP 38 42

(validamycin A)
10% SL 59

15

50% WP 60 62

(fenitrothion)
50% EC 22

(spirodiclofen)
30% SC 109

(spinosad)
80% WP 45

(mancozeb)
47.5% OD 17

17

蟎 (cyflumetofen)
20% SC 81

(thifluzamide, GREATAM)
2% GR 8

2.8% EC 74

10% SG 11

31.25% WG 64

62.5% WG 60 62

30% WP 100 103

18.6% EC 98

40% WP 72

21

(flutriafol)
11.8% SC 68 100

1% MG 8

. 98
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98.12

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