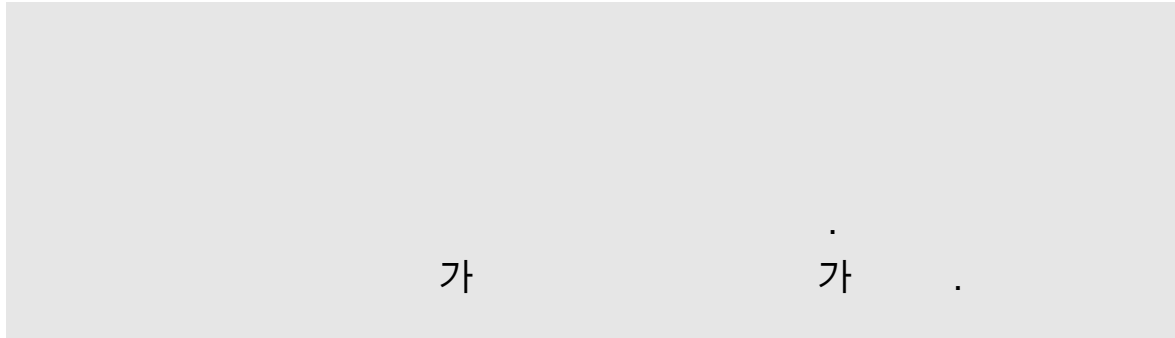




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2005. 4

6 433-1  
(031)449-0524

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2005	_____	12
	Workshop _____	13
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2003	_____	32



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·	_____	36
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115 (05.2.17.)

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(Dunnage)  
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5.

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< : Heat Treatment >

- 56 30

< (Methyl Bromide, MB) >

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24

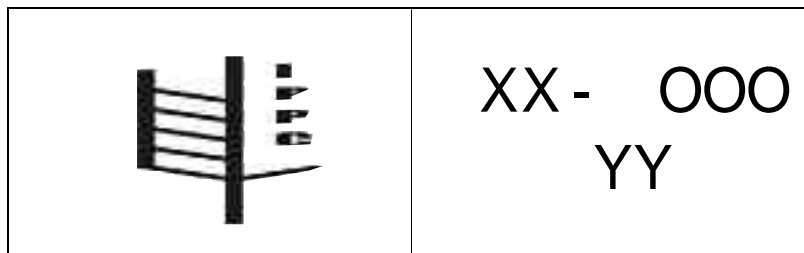
. , , , , , , , ( )

	(Dosage rate)	(g/m <sup>3</sup> )
		24
21	48	24
16	56	28
11	64	32

- : 16

	(Dosage rate)	(g/m <sup>3</sup> )			
		0.5	2	4	16
21	48	36	24	17	14
16	56	42	28	20	17
11	64	48	32	22	19

6.



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2005 1 3

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1. 20( )  
 14:00 Tea  
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<茶>



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1 7 11:30-13:00  
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2004 가 , 2005 가

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2005. 3. 21.~3. 24(4 ) 4 ( ,  
 , ) 3 ( Plant Biosecurity  
 General Manager Brian Stynes, Plant Biosecurity  
 Indranee Liyanage, Jeremy Cook)

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## Workshop

2.18~2.19(1 2 )

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2005.3.19( ) 09:20 - 11:20“  
11:30 - 12:00  
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新 思考



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1. *Periploca ceanothiella* (Geanothus stem gall moth, )

*Periploca ceanothiella* (Cosens) (Geanothus stem gall moth, )  
(*Ceanothus*)

- *Ceanothus*
- 가
- 

1963 Munro *Ceanothus* 가 가



1. Gall( )



2. Gall( - )



2. Sternochetus mangiferae( )

2004. 7. Sternochetus mangiferae( )가

- Ahkoom Sanaa

Sternochetus mangiferae

- 2004

- : Suleiman H, Mehdi A(2004) First record of mango seed beetle in Yemen Arab and Near East Plant Protection Newsletter, no.38, June 2004, 25 - 26.

3. (Castanea sativa)

2003. 11. Sweet chestnut trees(Castanea sativa) 가

Phytophthora ramorum( )

-

- P. ramorum

Phytophthora ramorum

- : Bleeding cankers, ramorum dieback, ramorum leaf blight

- : Rhododendron, Camelia, Kalmia, Piers, Viburnum

4. European wood wasp(Sirex noctilio)

'05. 2. 19. New York State Cooperative Agricultural Pest Survey National Exotic Wood Borer and Bark Beetle Survey E. R. Hoebeke(CornellUniversity)

European wood wasp(Sirex noctilio) 가

- '05. 2. 23. Beltsville, MD (Systematic Entomology Laboratory)

'02. 7. 22. S. noctilio 가

- '03. 11. 11. S. noctilio가 APHIS 가

Sirex noctilio

- : Pinus spp.(pines), Picea(spruce), Abies(fir),  
Larix(larch), Pseudotsugamenziesii(Douglas fir)
- 가 : S. noctilio Amylostereum areolatum  
가

- : , , , , ,

### 5. Globodera rostochiensis( )

(Globodera rostochiensis)

- 2004. 11. 8. , 2005. 2. 8.

Cayuga 가

- 7

### 6. Kudzu( ) Phakopsora pachyrhizi( )

Pasco 2005 (Phakopsora pachyrhizi)

- Kudzu(Pueraria montana var. lobata)

- Kudzu 가

- Pasco 18

7. Puccinia striiformis f. sp. tritici( )

2003 2 Gladsden (Triticum aestivum L.)  
 (Puccinia striiformis Westendorf f. sp. tritici Edickson)

- : (Poaceae) ,
- : ( 가 ), , ,

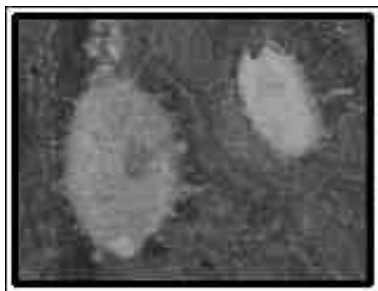
8. Macadamia Nuts

Macadamia Nuts 가 South Kona Macadamia  
 Nuts

- Eriococcus ironsidei(Macadamia felted coccid, )
- Macadamia Nuts 2

Eriococcus ironsidei

- :
- : Macadamias
- : (Chlorosis), (defoliation), (dieback)
- : , . . .



1. E. ironsidei



2.



3.

: <http://www.hawaiiag.org/hdoa/npa/npa05-01-mfc.pdf>

9. Leptinotarsa decemlineata( )

2003. 10. Leptinotarsa decemlineata( )가  
 - Dahuk Governorate 2003 ~ 2004  
 Mosul Governorate  
 -  
 -

Leptinotarsa decemlineata

- 2003 (Dahuk, Mosul Governorate)
- : El-Jboory (2004) A new potato pest in Northern Iraq. Disease and pest outbreaks-Iraq. Arab and Near East Plant Protection Newsletter, no.38, June 2004, P27.

10. European fire ant

Import fire ant(Solenopsis spp.)  
 European fire ant, Myrmica rubra가  
 - , 1950

가 ,

11. Iris yellow spot virus (IYSV)

Bunyaviridae, Tospovirus Iris yellow spot virus(IYSV)

- Treasure Valley 10 , 가

2004 Jefferson Madris

IYSV

- 2004.6 4 95%

- 30-40% 가 15%가
- 8 가
- ELISA , IYSV
- IYSV 100%

12.

- John Pressler 2004.7 2km
- 가 5
- 7 ,
- 230,000
- Mr Pressler 90,000 가
- \$50[USD 39]
- , \$600million[USD 469 million]

The Department of Primary Industries & Fisheries (DPI) Plant Health general manager Chris Adriaansen Mr Pressler ,  
 2004 7  
 , 2004 10 ,

- Gayndah-Mundubbera, ,

13.

San Juan

- San Juan
- 2005. 1. 7. .
- ELISA
- 

14.

### Strawberry latent ringspot virus

30-40 가 strawberry latent ringspot virus가

- ARS , , 4% (
- 17% variegated mint )

15.

### Dieuches armatipes Walker

Large seed bug, Dieuches armatipes Walker가

- Alachua, Levy, Polk, Highlands, St. Lucie, Henry, Palm Beach

Dieuches armatipes 가

16. Orange

2005.2.16 Orange

(116 )

2004.7.13 Santa Ana가 , Villa Park, Garden Grove, Anaheim, Orange, Cowan Heights, Lemon Heights, Tustin .

230

- 가 .

17. Thrips palmi

Vila do Conde Braga EPPO (Acvtinidia chinensis) Entre Douro e Minho (Thrips palmi)(EPPO A1 list) .

- 가

2005 .

18.

Hillsborough  
(Xanthomonas axonopodis pv. citri)

- 가 , 29

5 2002

Hillsborough 2004.8 9

1,900

19. Brown marmorated stink bug

Brown marmorated stink bug(*Halyomorpha halys*)가

가

2001

20. North Dakota *Fusarium graminearum* Dry rot

North Dakota *Fusarium graminearum* Dry rot

*Fusarium graminearum* North Dakota

- *Fusarium graminearum*





가

‘ 05. 4. 1 63 48 ( 4 ,  
 44 ) 가 111 ( 14 , 97 )  
 ‘ 05.4.14

鹿 ( 111 : 109 , 2 )

1-1. (109 : 95 , 14 )

Abraxas miranda	가	ユウマダラエダシャク	辰
Acrothinium gaschkewitchii		アカガネサルハムシ	辰
Actias artemis		オオミズアオ	辰
Actias gnoma		オナガミズアオ	辰
Aleurocanthus cinramomi	가 가	クストゲコナジラミ	×
Anomoneura mori		クワキジラミ	辰
Antheraea yamamai		ヤママユ	辰
Antonina crawii	가	タケシロオカイガラムシ	辰
Aonidiella aurantii		アカマルカイガラムシ	×
Aonidiella citrina		キマルカイガラムシ	辰
Aphis nerii	가	キヨウチクトウアブラムシ	辰
Aphrophora flavipes		マツアワフキ	辰
Armadillidium vulgare		オカダンゴムシ	辰
Arge nigrinodosa		アカスジチュウレンジ	×

<i>Arge nipponensis</i>		ニホンチュウレンジ	辰
<i>Arge pagana</i>		チュウレンジハバチ	辰
<i>Arge similis</i>		ルリチュウレンジ	辰
<i>Aulacaspis rosae</i>		バラシロカイガラムシ	辰
<i>Bactrocera depressa</i>		カボチャミバエ	辰
<i>Balataea funeralis</i>		タケノホソクロバ	辰
<i>Brahmaea wallichii</i>		イボタガ	×
<i>Bruchus pisorum</i>		エンドウゾウムシ	辰
<i>Bruchus rufimanus</i>		ソラマメゾウムシ	辰
<i>Callosobruchus chinensis</i>		アズキゾウムシ	辰
<i>Carpophilus hemipterus</i>		クリヤケシキスイ	辰
<i>Cassida nebulosa</i>		カメノコハムシ	辰
<i>Chirothrips manicatus</i>		ヒゲフトアザミウマ	辰
<i>Chrysolina aurichalcea</i>		ヨモギハムシ	辰
<i>Chrysomela populi</i>		ドロノキハムシ	辰
<i>Chrysomphalus bifasciculatus</i>		トビイロマルカイガラムシ	辰
<i>Chrysomphalus ficus</i>		アカホシマルカイガラムシ	辰
<i>Cinara piceae</i>		クロオオアブラムシ	×
<i>Dactylispa issikii</i>	가	タケトゲトゲ	×
<i>Diaspis echinocacti</i>		サボテンシロカイガラムシ	辰
<i>Dinoderus japonicus</i>	가	ニホンタケナガシクイムシ	×
<i>Dinoderus minutus</i>	가	チビタケナガシクイムシ	×
<i>Diostrombus politus</i>		アカハネナガウンカ	辰
<i>Dysaphis tulipae</i>		チュ-リップネアブラムシ	×
<i>Earias roseifera</i>		ベニモンアオリンガ	辰
<i>Eriococcus coccineus</i>		サボテンフクロカイガラムシ	×

Everes argiades		ツバメシジミ	辰
Fulmekiola serrata		サトウキビチビアザミウマ	×
Gastrolina depressa		クルミヒラタハムシ	辰
Geisha distinctissima		アオバハゴロモ	辰
Glyphodes perspectalis		ツゲノメイガ	辰
Gnathocerus cornutus		オオツノコクヌストモドキ	×
Graphosoma rubrdineatum		アカスジカメムシ	辰
Heliothrips haemorrhoidalis		クロトンアザミウマ	辰
Hemiberlesia lataniae		ヤシシロマルカイガラムシ	辰
Hemiberlesia rapax		ツバキマルカイガラムシ	×
Heterdostrychus hamatipennis		オオナガシンクイムシ	×
Kermes nakagawae		ナラタマカイガラムシ	辰
Lasioderma serricorne		タバコシバンムシ	辰
Lepidosaphes gloverii		ミカンナガカキカイガラムシ	辰
Lepidosaphes pini		マツカキカイガラムシ	辰
Lophocateres pusillus		ホソチビコクヌスト	×
Lyctus brunneus		ヒラタキクイムシ	辰
Martyringa xeraula		コクマルハキバガ	辰
Minthea rugicollis		ケプトヒラタキクイムシ	×
Nemapogon granellus		コクガ	辰
Notarcha derogata		ワタノメイガ	辰
Oryzaephilus mercator		オオメノコギリヒラタムシ	×
Oryzaephilus suriramensis	ガ	ノコギリヒラタムシ	辰
Palpita nigropunctalis		マエアカスカシノメイガ	辰
Pantomorus cervinus		フラ?バラゾウムシ	×
Phytoecia rufiventris		キクスイカミキリ	辰

<i>Pryeria sinica</i>		キノウスバ	辰
<i>Ptilineurus marmoratus</i>		クシヒゲシバムシ	辰
<i>Ptinus clavipes</i>		ヒメヒョウホンムシ	×
<i>Ptinus japonicus</i>		ナガヒョウホンムシ	辰
<i>Pyrrhalta fuscipennis</i>		イタヤハムシ	辰
<i>Pyrrhalta maculicollis</i>		ニレハムシ	辰
<i>Rhizopertha dominica</i>	ガ	コナナガシンクイムシ	辰
<i>Rhodinia fugax</i>		ウスタビガ	辰
<i>Schizotetranychus cebrius</i>		タケスゴモリハダニ	辰
<i>Sitophilus oryzae</i>		ココクゾウムシ	辰
<i>Sitophilus zeamais</i>		ココクゾウムシ	辰
<i>Sitotroga cerealella</i>		バクガ	辰
<i>Stegobium paniceum</i>		ジサンシバンムシ	辰
<i>Stephanitis pyrioides</i>		ツツジゲンバイ	辰
<i>Stephanitis takeyai</i>		トサカダンバイ	×
<i>Syrista similis</i>		バラクキバチ	×
<i>Tenebroides maritanicus</i>		コクヌスト	辰
<i>Tetranychus urticae</i>		ナミハダニ	辰
<i>Theretra japonica</i>		コスズメ	辰
<i>Thrips tabaci</i>		ネギアザミウマ	辰
<i>Thyestilla gebleri</i>		アサカミキリ	辰
<i>Tribolium castaneum</i>		コクヌストモドキ	辰
<i>Tribolium confusum</i>		ヒラタコクヌストモドキ	辰
<i>Trogoderma inclusum</i>		ヒメマダラカツオブシムシ	×
<i>Trogoderma varium</i>		アカマダラカツオブシムシ	辰
<i>Udonomeiga vicinalis</i>		ウドノメイガ	辰

Uhlerites debilis		ヒメゲンバイ	辰
Urophorus humeralis		カタベニデオクスイ	×
Vanessa indica		アカタテハ	辰
Alternaria citri		アルタ-ナリア シトリ	辰
Appendiculella cabstroma		キイチゴ類すす病菌	×
Armatella litseae		シロダモすす病菌	×
Asteridiella raphiolepidis		シャリンバイすす病菌	×
Asterina daphniphylli		ユズリハ・ヒメユズリハすす病菌	×
Aspergillus spp.		アスペルギルス 属菌	辰
Botrytis allii		ボトリティス アリイ	辰
Ceratocystis paradoxa		セラトシスティス パラドクサ	×
Geotrichum candidum		ゲオトリカム カンディダム	辰
Macrophomina phaseolina		マクロフォミナ ファゼオリナ	辰
Nigrospora spp.		ニグロスポラ	辰
Penicillium spp.		ペニシリウム 属菌	辰
Rhizopus spp.		リゾ-プス 属菌	辰
Trichothecium spp.		トリコセシウム 属菌	辰

1-2.

( 2 )

Neomyzus circumflexus		シクラメンコブアブラムシ	辰
Pseudococcus longispinus	ガ	ナガオコナカイガラムシ	×



(2005.1.1 ~ 3.30 )

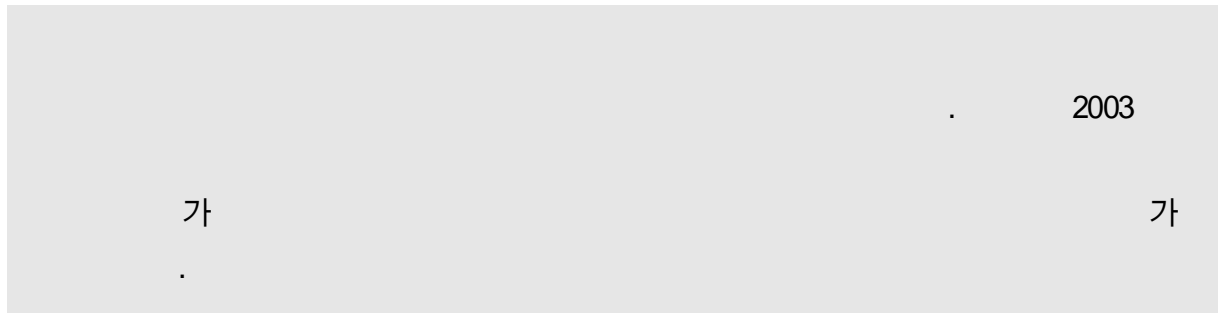
		61	539	79	559	75	1,245
		38	424	71	549	31	190
		-	-	2	3	3	17
		10	279	6	24	5	26
		19	55	23	340	10	85
		-	-	8	72	3	20
		-	-	6	17	-	-
		3	3	8	28	-	-
		3	78	10	50	10	42
		-	-	3	5		
		3	9	5	10		
		23	115	8	10	44	1,055
		7	18	2	2	33	968
		5	21	-	-	-	-
		10	69	-	-	-	-
		1	7	6	8	11	87

‘ 05.1.1. ~ 3.31. 215 , 2,343 ,  
 61 (28%), 539 (23%) , 79 (37%), 559 (24%),  
 75 (35%), 1,245 (53%) .  
 61 , 539 가 38 (62%), 424 (79%) ,  
 23 (38%), 115 (21%) . (279 ) (78 )가  
 (357 84%) , 가 69 가 ,  
 , , .  
 79 , 559 가 71 (90%), 549 (98%) ,  
 8 (10%), 10 (2%) . (340 ) (72 )  
 (412 , 75%) , 2 , 가 8 .  
 75 , 1,245 가 31 (41%), 190 (15%) ,  
 44 (59%), 1,055 (85%) . (85 ) (42  
 )가 , 가 87 .

(2005.1.1. ~ 3.30. )

					(2005)			(C/A)
		2005 (A)	2004 (B)	(%) (A/B)		( )	(C)	
		78,116	69,759	112	42,288	589	42,877	55
		45,415	40,145	113	36,343	23	36,366	80
	M/T	5,59	15,151	39	80	80	160	3
	M/T	25,102	17,450	144	840	77	917	4
		4,940	4,679	106	8	4	12	0.2
	M/T	1,041	576	181	15	-	15	1
	m <sup>3</sup>	7	17	41	0.2	-	0.2	3
	M/T	750	851	88	57	-	57	8
		1,558	1,486	105	1,222	-	1,222	78
		32,701	29,614	110	5,945	566	6,511	20
	M/T	3,669,094	3,303,196	111	92,614	16,540	109,154	3
	M/T	266,404	261,550	102	72,766	2,497	75,263	28
		37,189	24,762	150	1,495	897	3,392	6
	M/T	102,771	99,747	103	1,332	381	3,208	3
	m <sup>3</sup>	1,647	2,685	61	1,514	0.8	1,514.8	92
	MT	2,156,022	1,366,581	158	178,667	1,728	180,395	8
	m <sup>3</sup>	2	1	200	-	-	-	-
		284,449	827	34,395	-	2	2	-
	M/T	6,227,143	5,065,102	123	346,371	20,922	367,293	6
	m <sup>3</sup>	1,656	2,703	61	1,556	0.8	1,556.8	94
		328,136	31,754	1,033	2,725	903	3,628	1

2003



産

2003				1,198	
731	61%				467
39%					
				가 2,648	가
M/T	44,416	M/T,	가 12,697 m <sup>3</sup>		
			가		
96,193	8.0%				11,380
1.6%,	80,465	22.2%,		4,348	4.1%



( 1 ) 2003

		366,535	2,643,934	179,355	4,009	15,169	274	561,059	2,648,217
	MT	351,297	44,413,658	182,561	1,744	89,915	176	623,773	44,415,578
	m <sup>3</sup>	13,107	12,697	8	0	62	0	13,177	12,697
		730,939	-	361,924	-	105,146	-	1,198,009	-
		2,763	59,665	1,174	150	29	29	3,966	59,844
	MT	8,612	27,833	79,291	967	4,319	35	92,222	28,835
	m <sup>3</sup>	5	127	0	0	0	0	5	127
		11,380 (1.6%)	-	80,465 (22.2)	-	4,348 (4.1%)	-	96,193 (8.0%)	-

: ( )

産

32.8%                      14,571M/t                      M/T                      44,413 M/T  
 12.0%,                      87.4%                      .

M/T                      3.9%,                      .                      6.1%

( 2 ) 2003

		44,413 M/T	2,644	12,697 m <sup>3</sup>	
		14,571	318	11,094	
		32.8%	12.0	87.4	
		27,833 M/T	59,665	127m <sup>3</sup>	
		1,089	3,634	61	
		3.9 %	6.1	48.0	

産

2003

260

20

240

84%

133 ,

86 가

(*Sclerotinia sclerotiorum*

:14 ) 가

(*Tetranychus* sp : 8 ),

(*Liriomyza trifolii* :6 ),

(*Aphis*

*gossypii* : 4 )

(*Tetranychus* sp :26

, *Tetranychus cinnabarinus* : 6 ),

(*Frankliniella occidentalis* :6 )

(*Frankliniella accidentalis* :38 ), 가

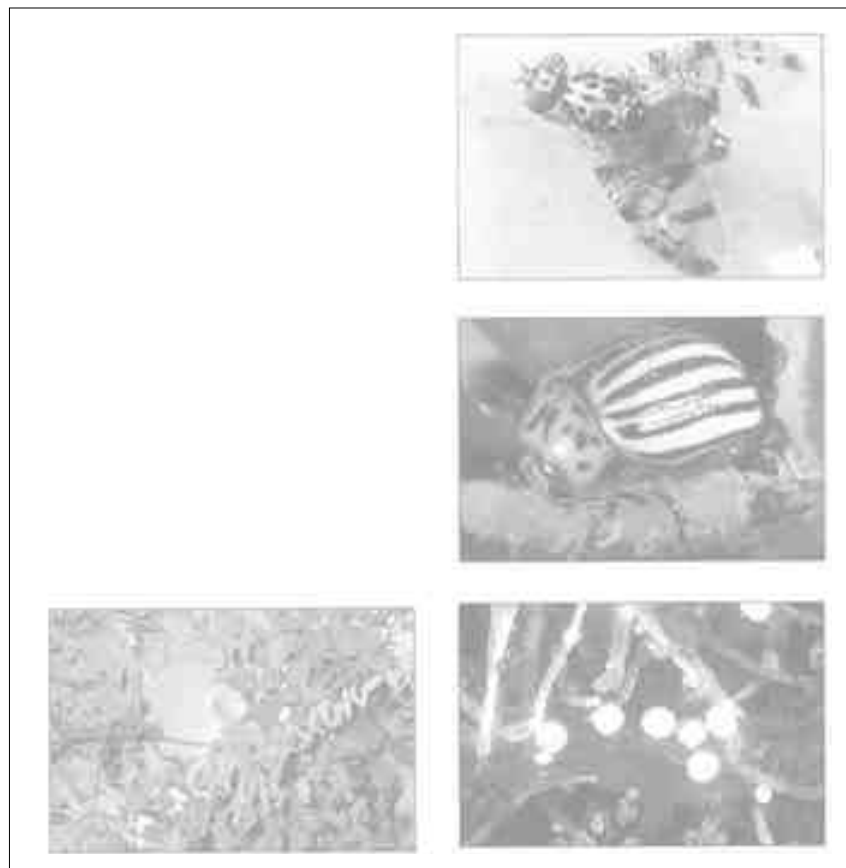
(*Tyrophagus* sp :19 ),

(*Ostrinia funacalis* :16 ),

(*Aphis gossypii*

:11 ),

(*Helicoverpa assulta* :9 )



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	Sclerotinia sclerotiorum (14), Cladosporium sp (2), Cercospora sp (1), Collectotrichum gloeosporioides (1), Meloidogyne incognita (1), Septoria sp (1), Tetranychus cinnabarinus (1)	21
	Tetranychus sp (8), Liriomyza trifolii (6), Aphis gossypii (4), Frankliniella occidentalis (3), Myzus persicae (3), Tetranychus urticae (2), Bradybaeba similaris (1), Deroceras sp (1), Frankliniella intonsa (1), Frankliniella tenuicornis (1), Limax sp (1), Liriomyza sp (1), Tyrophagus putrescentiae (1)	33
	Tetranychus sp (26), Frankliniella occidentalis (6), Tetranychus cinnabarinus (6), Tetranychus urticae (5), Myzus persicae (3), Frankliniella intonsa (2), Adoxophyes sp (1) Aphis gossypii (1), Rhodobium porosum (1), Thrips tabaci (1) Trialeurodes vaporariorum (1)	53
	Panonychus sp (2), Lobesia aeolopa (1)	3
	Frankliniella accidentalis (38), Tyrophagus sp (19), Ostrinia funacalis (16), Aphis gossypii (11), Helicoverpa assulta (9), Myzus persicae (7), Tetranychus sp (7), Thrips tabaci (5), Frankliniella occidentalis (3), Aphis sp (2), Frankliniella intonsa (2), Tetranychus urticae (2), Thrips palmi (2), Trialeurodes vaporariorum (2), Deroceras laeve (1), Fusarium sp (1), Frankliniella tenuicornis (1), Liriomyza sp (1), Ostrinia sp (1), Spodoptera litura (1), Tetranychus cinnabarinus (1), Tyrophagus putrescentiae (1),	133
	Curculio sikkimensis (3), Cydia kurokoi (2), Myzus persicae (2) Plodia interpunctella (2), Brevicoryne brassicae (1), Curculio sp (1), Meloidogyne sp (1), Plutella xylostella (1), Tetranychus sp (1), Thripas nigropilosus (1), Thrips tabaci (1), Thysanoplusia intermixta (1)	17

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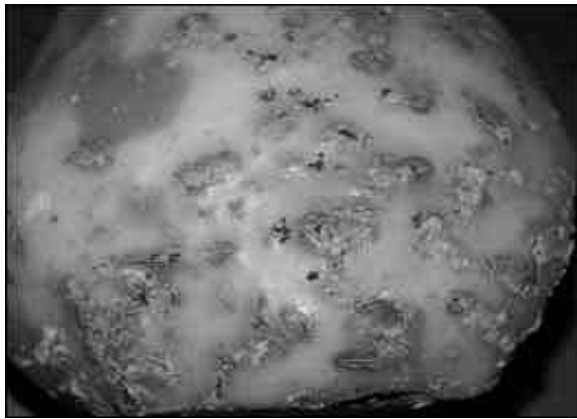
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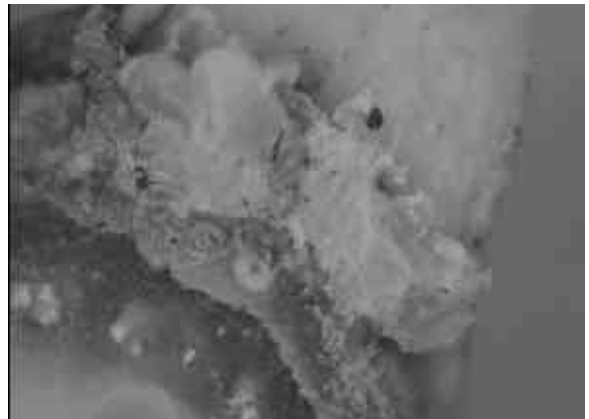


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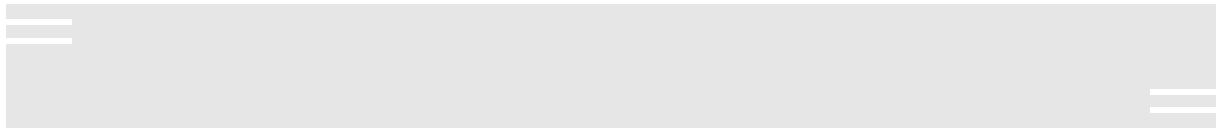
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