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## Catalogue of Crop Pests of Gujarat State

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CATALOGUE OF CROP PESTS

OF

GUJARAT STATE

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## FOREWARD

Agricultural Entomology is closely associated not only with the crop production but also with the safe preservation of food grains and other household belonging of the farmers and public at large. Until the formation of the state of Gujarat in May, 1960, much attention was not devoted to the study of various pests of this region of the then Bombay Province. Nevertheless it has now been realised that the first essential necessity is to determine the identity of the insect pests responsible for damaging the crops grown in the state. Accordingly the authors started collecting the pests of different crops and got the species determined. The information thus obtained has resulted in the catalogue of pests.

The authors' efforts in compiling a complete list of pest species whose identity has been confirmed by the Commonwealth Institute of Entomology, London, is commendable. The list can by no means said to be complete, but it is up-to-date as far as the species of the pests are concerned. It will serve as a handy reference for Research Workers, District Agriculture Officers, Farmers and also the students in Agriculture Colleges.

It is hoped that the catalogue with all its inevitable defects should serve as a basic reference for pests of crops grown in the state and may help those who are interested in the subject.

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## CATALOGUE OF CROP PESTS OF GUJARAT STATE

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### INTRODUCTION :

Never before has Agricultural Entomology had to play such a great role in India as it had to do in the present decade, when our country is in short supply of food both for man and animals. This is more true for our state which is always deficient in food grains. The problems of pests has become more acute with the introduction of hybrid varieties of certain food crops at the same time with intensive and extensive crop production due to increased irrigation facilities. At least 10 per cent of food grains produced is destroyed by the ravages of insect pests both in the fields and under storage. Major proportion of such losses can be prevented if the cultivators, District Agricultural Officers, Entomological Research Workers and students of Agriculture have a working knowledge of the crop pests and practical methods of controlling them. The first essential in this context is to have a complete list of pests attacking respective crops grown in the state. Such list was prepared for the state of the then Bombay Province by Trehan and Pingale 1946, and Veval and Talgeri 1949, but it was by no means complete especially for this region of the Province which is now the region of the Gujarat state. A more perfect list was published by Patel et al. in 1950 as an appendix to the book "Crop Pests and How to Fight Them" published by the then Government of Bombay. Thus it is quite evident that such a list does not exist for the state of Gujarat. The necessity of having such a list was felt by many but merely compiling a list from the published literature will be of no value for the state .

Accordingly the authors took up the work by collecting, rearing and getting the species identified by the experts since 1963 to make the list as complete, comprehensive and authentic as possible. The information thus collected provided the matter for this catalogue.

The catalogue is prepared with the idea of providing as complete and comprehensive information about the insect pests that are found damaging various crops in the state. This would serve as a handy and up-to-date reference list for all those interested in the Agricultural Entomology and more so to the Research Workers, District Agriculture Officers, Advanced Cultivators and above all the Students in Agriculture Colleges. Its value has been enhanced especially because the specimens mentioned in this catalogue are all identified by the Commonwealth Institute of Entomology, London. For convenience in use, the arrangement of pests as well as crops is done alphabetically.

Another list of insect pests according to their natural orders and families arranged alphabetically, mentioning their host plants with cross-references in the main list has also been given for ease in searching.

We take this opportunity of thanking Dr. G. A. Patel, Director of Agriculture, Department of Agriculture, Government of Gujarat for help and permission in publishing the catalogue as a technical bulletin of the Department of Agriculture to Dr. M. D. Patel, Director, Institute of Agriculture, Anand and Dr. R. M. Patel, Principal, B. A. College of Agriculture, Anand for providing necessary facilities during the work. We are indebted to the Director, Commonwealth Institute of Entomology, London

for the proper identification of the insect pests. We are also thankful to Mr. F.B.Saiyad for help in the rearing, pinning and preserving insects without him this would not have been possible. Thanks are also due to the staff members of the department for help as and when needed.

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	BAVCHI	...
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PESTS ARRANGED ACCORDING TO THE NATURAL  
ORDERS AND FAMILIES WITH THEIR FOOD

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ORDER :	ACARINA	...	...
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	DIPTERA	...	...
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	LEPIDOPTERA..	...	...
	ORTHOPTERA...	...	...
	THYSANOPTERA.	...	...

S: NON-INSECT PESTS

	CRABS	...	...
	RATS	...	...

PESTS ARRANGED ALPHABETICALLY GIVING CROSS  
REFERENCE OF CROP NUMBER WITH PEST NUMBER

IN PART - I. Part - III

REFERENCES :	...	...
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PART I

CATALOGUE OF CROP PESTS OF GUJARAT STATE

CROP	COMMON ENGLISH NAME OF THE PESTS	GUJARATI NAME	SCIENTIFIC NAME	FAMILY	ORDER
(1)	(2)	(3)	(4)	(5)	(6)
<b>A- Cereals.</b>					
1. Bajri. ( <u>Pennisetum</u> <u>typhoides</u> )	1. Bajri blister beetle.	બાજરી નાં કાંચિયાં.	<u>Cylindrothorax</u> <u>audouini</u> Haag. (Greenish-blue)	Meloidae	Coleoptera
			<u>C. ruficollis</u> F. (Green)	" "	" "
			<u>Cyaneolytta</u> <u>acteon</u> Cast. (Bluish-black)	" "	" "
			<u>Psalydolytta</u> <u>rouxi</u> Cast. (Buff)	" "	" "
	2. Bajri earhead worm.	બાજરી નાં કાંચિયાં ઇયળ.	<u>Heliothis</u> <u>armigera</u> Hb.	Noctuidae	Lepidoptera
	3. Bajri jassida.	બાજરી નાં કાંચિયાં ઇયળ	-	-	-
	4. Bajri leaf eating caterpillar.	બાજરી નાં પાન ખાંતર ઇયળ.	<u>Leucania</u> <u>lorevi</u> Dup.	Noctuidae	Lepidoptera
<u>Laphygma</u> <u>exigua</u> Hb.			" "	" "	
5. Bajri leaf roller.	બાજરી નાં પાન ખાંતર ઇયળ.	<u>Marasmia</u> <u>trapezalis</u> Wkr.	Pyralidae	" "	
6. Gujarat hairy caterpillar.	કાંચિયાં.	<u>Amsacta</u> <u>moorei</u> B.	Arctiidae	" "	
		<u>A. lactinea</u> C.	" "	" "	
		<u>A. albistriga</u> W.	" "	" "	
7. Myllocerus weevil	મીલ્લોસી સિરસ ની વાં.	<u>Myllocerus</u> <u>discolor</u> Boh.	Curculi- onidae	Coleoptera	

(1)	(2)	(3)	(4)	(5)	(6)
	8. Surface grasshopper	ਖਪੇਡੀ	<i>Chrotogonus</i> spp.	Acrididae	Orthoptera
	9. White grubs	ਖਠਲੁ ਚਖਵੀ ਡੀਠੀ	<i>Holotrichia consanguinea</i> Blanch.	Melolonthidae.	Coleoptera
	10. Mites.	ਖੀਨ ਡਖੀਰੀ	-	-	Acarina
	11. Rats.	ਊਠਰ	-	-	-
2. JOWAR. ( <u>Sorghum vulgare</u> )	1. Jowar aphids	ਜੁਵਾਰੀ ਮੀਠੀ.	<i>Rhopalosiphum maidis</i> F.	Aphididae	Hemiptera
	2. Jowar amy-worms.	ਜੁਵਾਰੀ ਊਠਰ ਵੀ ਠੰਢੀ	<i>Cirphis unipuncta</i> H.	Noctuidae	Lepidoptera
	3. Jowar blister beetle.	ਚਖਵੀ ਵੀ ਠੰਢੀ ਜੁਵਾਰੀ ਡੀਲਿਓ.	<i>Eylindrothorax ruficollis</i> F. (Green).	Meloidae.	Coleoptera.
			<i>Psalydolytta rouxi</i> Cast. (Buff.)	"	"
	4. Jowar earhead bug.	ਜੁਵਾਰੀ ਡੁਠੀ ਚੁਲਿਓ.	<i>Calocoris angustatus</i> L.	Capsidae	Hemiptera
			<i>Creontiades pallidifer</i> Walk.	Miridae	"
	5. Jowar flea beetles.	ਜੁਵਾਰੀ ਖਪੇਡੀ	<i>Chaetocnema pusaensis</i> M.	Chrysomelidae	Coleoptera
			<i>Longitarsus belgaumensis</i> F.	"	"
6. Jowar leaf eating caterpillar.	ਜੁਵਾਰੀ ਖੀਨੁ ਖੀਨਰ ਠੰਢੀ.	<i>Euproctis virguncula</i> Wkr.	Lymantriidae	Lepidoptera	
		<i>Laphygma exigua</i> Hb.	Noctuidae	"	

(1)	(2)	(3)	(4)	(5)	(6)
(7) Jowar leaf roller	જુવારના પાનના ઇંચળા	<i>Marasmia trapezalis</i> G.	Pyrallidae	Lepidoptera	
(8) Jowar stem borer	જુવારના પાનના ઇંચળા	<i>Chilo zonellus</i> S.	Pyrallidae	Lepidoptera	
	જુવારના પાનના ઇંચળા	<i>Sesamia inferens</i> Wlk.	Noctuidae	"	
(9) Jowar stem fly.	જુવારના પાનના ઇંચળા	<i>Atherigona indica</i> M.	Anthomyidae	Diptera	
	સડાની માખી	<i>Homoneura</i> sp.	Lauzanidae	"	
(10) Gujarat hairy caterpillar.	કાંચરો	<i>Amsacta moorei</i> B.	Arctiidae	Lepidoptera	
		<i>A. lactinea</i> G.	"	"	
		<i>A. albistriga</i> W.	"	"	
(11) Mites.	પાનકાંચી રી	<i>Oligonychus indicus</i> H.	Tetranychidae	Acarina	
		<i>Schizotetranychus andropogoni</i> H.	"	"	
(12) Myllocerus weevil	માયલોસિરસની ઘેસ	<i>Myllocerus blandus</i> Fst.	Curculionidae	Coleoptera	
		<i>M. discolor</i> Boh.	"	"	
(13) Surface grass-hopper.	પાંચડી	<i>Chrotogenus</i> spp.	Aceridae	Orthoptera	
(14) Hets.	ઉંચર	-	-	-	

(1)	(2)	(3)	(4)	(5)	(6)	
3. Maize. ( <u>Zea mays</u> )	(1) Maize aphids	୪୬୧୦-୩୩୩	<u>Rhopalosiphum maidis</u> F.	Aphididae	Hemiptera	
	(2) Maize army worms	୪୬୧୦-୩୩୩	<u>Cirphis unipuncta</u> H.	Noctuidae	Lepidoptera	
	(3) Maize bark beetle	୪୬୧୦-୩୩୩ ୭୩ ୬୩୩୩ ୩୩୩.	<u>Anthraco-phora</u>		Cetoniidae	Coleoptera
			<u>crucifera</u> Ol.			
			<u>Oxyctonia versicolor</u>		"	"
			F. var. A arrow.			
	(4) Maize blister beetle	୪୬୧୦-୩୩୩ ୬୩୩୩	<u>Cylindrothorax audouini</u>	Melodae		"
			Haag. (Green).			
	(5) Maize stem borer	୪୬୧୦-୩୩୩ ୩୩୩୩.	<u>Chilo partellus</u> S.		Pyralidae	Lepidoptera
			<u>C. zonellus</u> S.		"	"
			<u>Diatraea polychrysa</u> Meyr.		"	"
			<u>Sesamia inferens</u> W.		Noctuidae	"
			<u>Epacromia dorsalis</u>			
(6) Banded grasshopper	୪୬୧୦-୩୩୩ ୩୩୩୩୩	Thub.		Acrididae	Orthoptera	
(87) Gujarat hairy caterpillar	୬୩୩୩	<u>Amsacta moorei</u> B.		"	"	
		<u>A. lactinea</u> B.		"	"	
		<u>A. albistriga</u> W.		"	"	



(1)	(2)	(3)	(4)	(5)	(6)
	(8) <i>Myllocerus</i> weevil	भारतीय सिरस की विष.	<i>Myllocerus blandus</i> Fst. <i>M. discolor</i> Boh.	Curculio- nidae " "	Coleoptera " "
	(9) Surface grasshopper	भयंकी	<i>Chrotogonus</i> spp.	Acrididae	Orthoptera
	(10) White grubs	धुंधल अथवा डोण	<i>Holotrichia consan- guinea</i> Bl.	Melolonthidae	Coleoptera
	(11) Rats.	हंहर	-	-	-

4. Paddy.  
(*Oryza sativa*)

(1) Paddy blue beetle	उमिरनी सुर उमिरनी	<i>Leptispa pygmaea</i> B.	Chrysomelidae	Coleoptera
(2) Paddy gall fly	उमिरनी मरिचि भाषी	<i>Pachydiplosis oryzae</i> M.	Cecidomyidae	Diptera
(3) Paddy grasshopper	उमिरनी की की धो	<i>Hieroglyphus banian</i> Fb.	Acrididae	Orthoptera
(4) Paddy jassids	उमिरनी लडल डिय	<i>Sogatella furcifera</i> ( <i>Horvath (Sogata distincta</i> Dist.)	Delphacidae	Hemiptera
(5) Paddy leaf eating caterpillar	उमिरनी पान धुंधल	<i>Pachyzancla phaeop- teralis</i> Gn.	Pyrallidae	Lepidoptera
(6) Paddy leaf roller	उमिरनी पान वाधन डर धुंधल	<i>Cnaphalocrocis medinalis</i> Gn.	" "	" "

(1)	(2)	(3)	(4)	(5)	(6)
(7) Paddy root weevil	ଓମିରନୀ ମୁଖନୀ ସଫିସାଫି	ଓମିରନୀ ମୁଖନୀ	<u>Hydrogonidius molitor</u> Fst.	Curculionidae	Coleoptera
(8) Paddy stem borer	ଓମିରନୀ ମାଧ୍ୟ- ମାଧ୍ୟମୀ ଓଷା	ଓମିରନୀ ମାଧ୍ୟ- ମାଧ୍ୟମୀ ଓଷା	<u>Cirphis unipuncta</u> Haw. <u>Schoenobius incertellus</u> Wlk.	Noctuidae Pyralidae	Lepidoptera "
(9) Rice case worm	ଓମିରନୀ ଓଷା	ଓମିରନୀ ଓଷା	<u>Sesamia inferens</u> Wlk. <u>Nymphula depunctalis</u> G.	Noctuidae Pyralidae	" "
(10) Rice earhead bug.	ଓମିରନୀ ଓଷା ନି ସୁସିସାଫି	ଓମିରନୀ ଓଷା ନି	<u>Leptocorisa acuta</u> T.	Coreidae	Hemiptera
(11) Rice hispa	ଓମିରନୀ ଓଷା ପକ୍ଷ ସୁସିସାଫି	ଓମିରନୀ ଓଷା ପକ୍ଷ	<u>Hispa armigera</u> Ol.	Chrysomelidae	Coleoptera
(12) Rice skipper	ଓମିରନୀ ଓଷା ସୁସିସାଫି	ଓମିରନୀ ଓଷା	<u>Parnara mathias</u> Fb.	Hesperiidae	Lepidoptera
(13) Myllocerus weevil	ମାଧ୍ୟମୀ ସିରସ ବୀ ସିରସ	ମାଧ୍ୟମୀ ସିରସ	<u>Myllocerus blandus</u> Fst. <u>M. discolor</u> Boh.	Curculionidae "	Coleoptera "
(14) Swarming caterpillar.	ସୁଧା ଓଷା	ସୁଧା ଓଷା	<u>Spodoptera mauritia</u> B.	Noctuidae	Lepidoptera
(15) Crab.	ଓଷା	ଓଷା	<u>Paratelphusa guerini</u> <u>P. jacquemontii</u>	" "	" "
(16) Rats.	ଓଷା	ଓଷା	-	-	-

(1)	(2)	(3)	(4)	(5)	(6)
5. wheat. ( <u>Triticum vulgare</u> )	(1) wheat aphids	ଏଫି-ନି ଧିଆ	<u>Aphis maidis</u> F.	Aphididae	Hemiptera
			<u>Myzus persicae</u> Sulzer	"	"
			<u>Rhopalosiphum maidis</u> Fitch.	"	"
			<u>Schizaphis graminum</u> Rond.	"	"
	(2) wheat earhead worm	ଏଫି-ନି ଡିକି-ନି ଫୁଲ	<u>Heliothis armigera</u> Hb.	Noctuidae	Lepidoptera
	(3) wheat jassids	ଏଫି-ନି ଦିକି-ନି	<u>Cicadulina</u> sp.	Cicadellidae	Hemiptera
			<u>M. Deltocephalus</u> sp.	"	"
			<u>Emposca</u> sp.	"	"
			<u>Exitiacus capicola</u> Stol.	"	"
			<u>Psamnotettix</u> sp.	"	"
		<u>Sogatella longifurcifera</u> Es. and Ish.	Delphacidae	"	
		<u>Toya propinqua</u> Fieb.	Delphacidae	"	
		<u>Typhlocyba maculifrons</u> Motch.	Cicadellidae	"	
(4) wheat stem borer.	ଏଫି-ନି ବାକି-ନି ଫୁଲ	<u>Sesania inferens</u> W.	Noctuidae	Lepidoptera	
(5) Myllocerus weevil	ମାଲୋକି-ନି ବାକି-ନି	<u>Myllocerus blandus</u> Fst.	Curculionidae	Coleoptera	
		<u>M. discolor</u> Boh.	"	"	
(6) White ants	ଓପି-ନି	<u>Odontotermes obesus</u> R.	Termitidae	Isoptera	
		<u>Trinervitermes rubidus</u> Hag.	"	"	

(1)	(2)	(3)	(4)	(5)	(6)
	(7) Rats.	ଓଁଝଝ	-	-	-
<b>6. Bayto (Nagli)</b>					
<u>(Eleusine coracana)</u>	(1) Nagli leaf eating caterpillar.	ମାଧୁକୀ ଶିରସ କୀ ବିଷ	<u>Mocis frugalis</u> F.	Noctuidae	Lepidoptera
	(2) Blister beetle.	ଓଁଝଝ	<u>Cylindrothorax ruficollis</u> F.	Meloidae	Coleoptera
	(3) Myllocerus weevil.	ମାଧୁକୀ ଶିରସ କୀ ବିଷ	<u>Myllocerus discolor</u> Bch.	Curculionidae	" "
	(4) Stem borer.	ମାଧୁକୀ ଶିରସ କୀ ବିଷ	<u>Chilo zonellus</u> S.	Pyralidae	Lepidoptera
	(5) Surface grasshopper	ଓଁଝଝ	<u>Chrotogonus</u> spp.	Acrididae	Orthoptera
	(6) Rats.	ଓଁଝଝ	-	-	-
<b>7. Banti (Echinochloa stagnina)</b>					
	(1) Myllocerus weevil	ମାଧୁକୀ ଶିରସ କୀ ବିଷ	<u>Myllocerus discolor</u> Bch.	Curculionidae	Coleoptera
	(2) Rats	ଓଁଝଝ	-	-	-
<b>8. Rajagira (Amaranthus paniculatus)</b>					
	(1) Rajagira bug	ଓଁଝଝ	<u>Cletus</u> sp.	Coreidae	Hemiptera
	(2) Rajagira leaf eating caterpillar.	ମାଧୁକୀ ଶିରସ କୀ ବିଷ	<u>Laphygma exigua</u> Hb.	Noctuidae	Lepidoptera
	(3) Rajagira stem weevil	ମାଧୁକୀ ଶିରସ କୀ ବିଷ	<u>Hypolixus truncatatus</u> F.	Curculionidae	Coleoptera
	(4) Rats	ଓଁଝଝ	-	-	-

(1)	(2)	(3)	(4)	(5)	(6)
<b>B. Sugar crops.</b>					
<b>9. Sugarcane</b>					
(Saccharum officinarum)	(1) Sugarcane aphid	शेरजीनी भोला	<u>Longiunguis sacchari</u> Z.	Aphididae	Hemiptera
	(2) Sugarcane grasshopper	शेरजीनी तीनी थोडा	<u>Hieroglyphus bairdian</u> var. <u>elongata</u>	Acrididae	Orthoptera
	(3) Sugarcane leafhopper or pyrilla	शेरजीनी कुट्टुट्टुट्टुट्टु	<u>Dictyophara dixonii</u> Dist.	Dictyopharidae	Hemiptera
	(4) " "	पायि रिल	<u>Pyrilla perpusilla</u> Walk. <u>coimbatorensis</u> Fenn.	LBphopidae	"
	(5) Sugarcane mealy bugs	शेरजीनी थोडा	<u>Trionymus sacchari</u> Ckll	Coccidae	"
	(6) Sugarcane stem borer.	शेरजीनी माल-भरानी धवळ	<u>Chilo trazea infuscatellus</u> Sn.	Pyralidae	Lepidoptera
			<u>Sesamia</u> n. sp.	Noctuidae	"
	(7) Sugarcane topshoot borer.	शेरजीनी थोडा वेधकथवा कुनडा	<u>Scirpophaga nivella</u> F.	"	"
	(8) Sugarcane whitefly.	शेरजीनी सडे माली	<u>Aleurolobus barodensis</u> Mask.	Aleurodidae	Hemiptera
			<u>Neomaskellia befragii</u> S.	"	"
	(9) Mites.	पाल कथीरी			
	(10) Myllocerus weevil	मायली सिरख नी बिल	<u>Myllocerus blandus</u> Fst.	Curculionidae	Coleoptera
			<u>M. discolor</u> Boh.	"	"
	(11) White ants.	ठपठ	<u>Odontotermes obesus</u> Ram.	Termitidae	Isoptera
			<u>Trinervitermes rubidus</u> Hag.	"	"

(1)	(2)	(3)	(4)	(5)	(6)
	(12) White grub	પૃથ્વી અથવા રોડી	<u>Holotrichia consanguinea</u> Blanch.	Melolonthidae	Coleoptera
	(13) Hants.	ઉંદર	-	-	-
<b>10. Sugarbeet</b> <b>(Beta vulgaris)</b>					
	(1) Sugarbeet aphids	સુગરબીટની મોલા	<u>Myzus persicae</u> Sul.	Aphididae	Hemiptera
	(2) Sugarbeet leaf-eating caterpillar.	સુગરબીટની પાનના નીર ઇચળ	<u>Lathyrus exigua</u> Hb.	Noctuidae	Lepidoptera
<b>C. Pulses.</b>					
<b>11. Chola.</b> <b>(Vigna catjang)</b>					
	(1) Chola aphids.	ચોલાની મોલા	-	-	-
	(2) Chola cutworm	ચોલાની પડ ડીપ	<u>Euxoa segetum</u> Schiff.	Noctuidae	Lepidoptera
	(3) Chola leaf-eating caterpillar.	ચોલાની પાનના નીર ઇચળ	<u>Anticarsia irrorata</u> F.	Noctuidae	"
		પાનના નીર ઇચળ	<u>Proxenus hugeli</u> Feld.	"	"
	(4) Chola leaf roller	ચોલાના પાનના નીર ઇચળ	<u>Lamprosema indicata</u> F.	Pyralidae	"
	(5) Chola pod borer	ચોલાના પાનના નીર ઇચળ	<u>Heliothis armigera</u> Hb.	Noctuidae	"
	(6) Blister beetle	ચોલાના પાનના નીર ઇચળ	<u>Mylabris phalarata</u> Pall.	Meloidae	Coleoptera
	(7) Gujarat hairy caterpillar.	ગુજરાતી નીર ઇચળ	<u>Amsacta moorei</u> B.	Arctiidae	Lepidoptera
<b>12. Gram.</b> <b>(Cicer arietinum)</b>					
	(1) Gram cut worm.	ચણાના પડ ડીપ	<u>Agrotis ypsilon</u> R.	Noctuidae	Lepidoptera

(1)	(2)	(3)	(4)	(5)	(6)
	(2) Gram pod borer	ચણાની પોપટ કોરી પાનર ઇવળ	<u>Heliothis armigera</u> Hb. <u>H. obsoleta</u> F.	Noctuidae "	Lepidoptera "
13. Green Gram (Mung) ( <u>Phaseolus aureus</u> )					
	(1) Green gram bug	મગની ચુસિયઈ	<u>Nezara viridula</u> Linn. <u>Piezodorus rubrofasciatus</u> Fabr. <u>Riptortus</u> sp.	Pentatomidae " Coreidae	Hemiptera " "
	(2) Green gram pod borer.	મગની લીલાશીંગો કોરી પાનર ઇવળ	<u>Laspeyresia ptychora</u> Meyr. <u>Maruca testulalis</u> Geyer	Tortricidae Pyralidae	Lepidoptera "
	(3) Aphids.	મોલો	-	Aphididae	Hemiptera.
	(4) Gujarat hairy caterpillar.	કાલરૂં	<u>Amsacta moorei</u> But.	Arctiidae	Lepidoptera
	(5) Myllocerus weevil	માચલો ચિરસ ની બિલ	<u>Myllocerus discolor</u> Boh.	Curculionidae	Colleoptera
14. Guar ( <u>Cyamopsis tetragonaloba</u> )					
	(1) Guar aphids	ગવારની મોલો	<u>Aphis craccivora</u> Koch.	Aphididae	Hemipt
	(2) Guar budworm	ગવારની ફૂલનો કોડો	<u>Dichomeris ianthes</u> May.	Gelechiidae	Lep

(1)	(2)	(3)	(4)	(5)	(6)
	(3) Guar podgall fly	गवारशीमनी मल्लिख (मल्लिख)	<u>Meenastatus</u> sp. <u>Platyterma</u> sp. Gen.et sp.indet. Gen.et sp.	Eupelmidae Pteromalidae Eulophidae Cecidomyi	
<b>15. Kulthi</b>					
<b>(<u>Dolichos biflorus</u>)</b>					
	(1) Kulthi podborer	कुल्थी की चीन्नी की रनार छेपण	<u>Heliothis armigera</u> Hb.	No	
<b>16. Math</b>					
<b>(<u>Phaseolus aconitifolius</u>)</b>					
	(1) Aphids	मोला	-	Aphididae	Hemiptera
	(2) Blister beetle	बल्लिख	<u>Mylabris phalarata</u> Pall.	Meloidae	Coloptera
	(3) Gujarat hairy caterpillar.	गुजरात	<u>Amsacta moorei</u> B.	Arctiidae	Lepidoptera
	(4) Myllocerus weevil	माथली सिरस की बिल	<u>Myllocerus blandus</u> Fst.	Curculionidae	Coleoptera
	(5) Rats	उर	-	-	-
<b>17. Peas</b>					
<b>(<u>Pisum arvense</u>)</b>					
	(1) Pea aphids	पटौली मोला	<u>Acyrtosiphon pisum</u> Harris <u>Macrosiphum pisi</u> Kalt.	Aphididae "	Hemiptera "



(1)	(2)	(3)	(4)	(5)	(6)
	(2) Pea leaf-eating caterpillar	ଏଟା ଫାଳୀ ପାଳମାନର ଉଷ୍ଣ	<u>Laphygma exigua</u> Hb. <u>Plusia</u> sp.	Noctuidae **	Lepidoptera **
	(3) Pea pod borer	ଏଟା ଫାଳୀ ଶ୍ୟାମିଡ଼ୋରୀ ମାନର ଉଷ୍ଣ	<u>Heliothis armigera</u> Hb. <u>H. obsoleta</u> F.	** **	** **
	(4) Pea thrips	ଏଟା ଫାଳୀ ମିଷ୍ଟ	-	Thripidae	Thysanoptera

18. Soybean  
(Glycine hispida)

(1) Soybean hairy caterpillar	ସୋୟା ଫାଳୀ ନଳ ଡାକରା	<u>Euproctis subnotata</u> Wkr.	Lymantriidae	Lepidoptera
(2) Soybean leafroller	ସୋୟା ଫାଳୀ ନଳ ପାଳ ମାନର ଉଷ୍ଣ	<u>Lamprosema indicata</u> F.	Pyralidae	**
(3) Soybean stemfly	ସୋୟା ଫାଳୀ ନଳୀ ମାଠିୟା ଫାଳୀ	<u>Melanagromyza</u> sp.	Agromyzidae	Diptera
(4) Soybean red spider mite	ସୋୟା ଫାଳୀ ନଳୀ ଲାଲ ପାଳକଣୀରୀ	<u>Tetranychus telarius</u> L.	Tetranychidae	Acarina
(5) Aphids	ମୋକ୍ଷ	-	Aphididae	Hemiptera
(6) Jassids	ଦଉଡ଼ିଆ	-	-	-
(7) Myllocerus weevil	ମାଧ୍ୟକ୍ଷିର ସିରସ ବା ବିଲ	<u>Myllocerus discolor</u> Boh. <u>M. lactivirens</u> Mshl.	Curculionidae	Coleoptera **

19. Tur  
(Cajanus cajan)

(1) Tur aphids	ତୁବେରୀ ମୋକ୍ଷ	<u>Aphis gossypii</u> Glov. <u>A. medicaginis</u> Kle.	Aphididae **	Hemiptera **
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(1)	(2)	(3)	(4)	(5)	(6)
(2) Tur bug	गुवेरनुं मूसियुं		<u>Gampsocoris pulchellus</u> Dall.	Berytidae	Hemiptera
(3) Tur hairy caterpillar.	गुवेरनी कलरः		<u>Euproctis</u> sp.	Lymantrii-	Lepidoptera dae.
(4) Tur pod borer	गुवेरनी शीमकोरनीर धयण		<u>Adisura atkinsoni</u> M.	Noctuidae	" "
			<u>Catachrysops strabo</u> F.	Lycanidae	" "
			<u>Heliothis annigera</u> Hb.	Noctuidae	" "
(5) Tur pod bug	गुवेरनी शीमनुं मूसियुं		<u>Clavigralla gibbosa</u> S.	Coreidae	Hemiptera
			<u>Riptortus pedestris</u> F.	" "	" "
(6) Tur plume moth	गुवेरनुं पी छियुं हूँ		<u>Exelastes atomosa</u> W.	Pterophoridae	Lepidop- tera.
			<u>Marasmarcha lionhanes</u> M.	" "	" "
(7) Tur thrips	गुवेरनी थ्रिप्स		-	Thripidae	Thysanoptera
(8) Tur white scales	गुवेरनी सकेड पी कटो		<u>Centroccocus insolitus</u> Gn.	Coccidae	Hemiptera
(9) Blister beetle	कलसियुं		<u>Mylabris phalarata</u> Pall.	Meloidae	Coleoptera
(10) Jassids	जसिडियुं		-	-	-
(11) Myllocerus weevil	मिल्लोकेरुस शीमनी विल		<u>Myllocerus discolor</u> Boh.	Curculionidae	Coleoptera
(12) White grubs	पठलु मयनः उीण		<u>Holotrichia consanguinea</u> B.	Melolonthidae	Coleopte- -ra.

(1)	(2)	(3)	(4)	(5)	(6)
20. Udid (Phaseolus mungo)					
(1)	Gujarat hairy caterpillar	કાદરૂ	<u>Amsacta moorei</u> B.	Arctiidae	Lepidoptera
(2)	Mylloceru8 weevil	મીઘલો સિરસ ની વીંદા	<u>Mylloceru8 discolor</u> Boh.	Curculionidae	Coleoptera
(3)	Mites	પાન કચીરી	<u>Tetranychu8 telarius</u> L.	Tetranychidae	Acarina
21. Wal. (Dolichos lablab)					
(1)	Wal aphids	વાલની મોલા	<u>Aphis craccivora</u> Koch.	Aphididae	Hemiptera
(2)	Wal leaf-eating caterpillar	વાલની પાનખાનર ઇંચળ	<u>Anticarsia irrorata</u> F. <u>Prodenia litura</u> F. <u>Proxenu8 hugeli</u> F.	Noctuidae " "	Lepidoptera " "
(3)	Wal leaf miner	વાલનું પાનકોરિયું	<u>Acrocercop8 caerulea</u> M.	Gracillariidae	"
(4)	Wal leaf roller	વાલની પાનખાનર ઇંચળ	<u>Lamproscua indicata</u> F.	Pyralidae	Lepidoptera
(5)	Wal pod borer	વાલની ઘીંચીકોરનર ઇંચળ	<u>Heliothis amigera</u> Hb.	Noctuidae	"
(6)	Blister beetle	કાંચિયલ	<u>Mylabris phalarata</u> Pall.	Meloidae	Coleoptera
(7)	Mites	પાન કચીરી	-	-	-
(8)	Mylloceru8 weevil	મીઘલો સિરસ ની વીંદા	<u>Mylloceru8 discolor</u> Boh.	Curculionidae	Coleoptera

(1)	(2)	(3)	(4)	(5)	(6)
D- Fodder crops.					
22. Lucerne					
<u>(Medicago</u>					
<u>santiva)</u>					
(1)	Lucerne aphids	રજકાની મીઠી	<u>Therioaphis trifolii</u> f. <u>maculata</u> Buck.	Aphididae	Hemiptera
(2)	Lucerne beetle	રજકાની પાનખાનર બીટલ	<u>Aulacophora foveicollis</u> Luc. <u>Sphenoptera</u> sp.	Calerucidae	Coleoptera
(3)	Lucerne bug	રજકાનું ચુસિયું	<u>Creontiades pallidifer</u> Walk.	Buprestidae	" "
(4)	Lucerne hairy caterpillar.	રજકાની કાનર	<u>Euproctis subnotata</u> W. <u>E. virguncula</u> W.	Miridae	Hemiptera
(5)	Lucerne leafeating caterpillar	રજકાની પાનખાનર ઇયળ	<u>Heliothis armigera</u> Hb. <u>Laphygma exigua</u> Hb. <u>Plusia</u> sp.	Lymantriidae	Lepidoptera
(6)	Lucerne leaf roller	રજકાની પાન ખાનર ઇયળ	<u>Lamprosema indicata</u> F.	" "	" "
(7)	Mites	પાનકથી રી	-	" "	" "
(8)	Myloccerus weevil	માચલી સિરસબી બિલ	<u>Myloccerus discolor</u> Boh.	Noctuidae	" "
(9)	Thrips	મિચ	-	Pyralidae	" "

(1)	(2)	(3)	(4)	(5)	(6)
<b>E. Vegetables.</b>					
23. Bhandi ( <u>Hibiscus</u> <u>esculentus</u> )	(1) Bhandi aphids	ଶିଂଶି-ନି ମୋଡ଼	<u>Aphis gossypii</u> Glov.	Aphididae	Hemiptera
	(2) Bhandi jassids	ଶିଂଶି-ନି ମୋଡ଼ାଠିଆ	<u>Empoasca devastans</u> D.	Cicadellidae	" "
	(3) Bhandi leaf miner	ଶିଂଶି-ନି ପତ୍ର- କୀଟ	<u>Trachys</u> sp.	Buprestidae	Coleoptera
	(4) Bhandi semilooper	ଶିଂଶି-ନି ପତ୍ର- କୀଟ	<u>Anomis flava</u> F.	Noctuidae	Lepidoptera
	(5) Bhandi spotted boll worm.	ଶିଂଶି-ନି ଚୂଆ- କୀଟ	<u>Earias fabia</u> Cr. <u>E. insulana</u> B.	" "	" "
	(6) Bhandi stem weevil	ଶିଂଶି-ନି ଧନୁ- କୀଟ	<u>Alcidodes nr. affaber</u> Aur.	Curculionidae	Coleoptera
	(7) Blister beetle	ଶିଂଶି-ନି	<u>Mylabris phalarata</u> Pall.	Meloidae	" "
	(8) Leaf roller	ଶିଂଶି-ନି ପତ୍ର- କୀଟ	<u>Synapia derogata</u> Fb.	Pyralidae	Lepidoptera
	(9) Mites	ଶିଂଶି-ନି	<u>Totranuchus telarius</u> L.	Tetranychid-	Acarina
	(10) Whitefly	ଶିଂଶି-ନି	<u>Henisia tabaci</u> G.	Aleurodidae	Hemiptera
	(11) Whitegrubs	ଶିଂଶି-ନି	<u>Holotrichia consanguinea</u> Bl.	Melolonthi-	Coleoptera
24. Brinjal ( <u>Solanum</u> <u>melongena</u> )	(1) Brinjal aphids	ଶିଂଶି-ନି ମୋଡ଼ା	<u>Aphis</u> sp. <u>gossypii</u> . <u>Myzus persicae</u> S.	Aphididae	Hemiptera
	(2) Brinjal bark beetle	ଶିଂଶି-ନି ମୋଡ଼ା- କୀଟ	<u>Anthrachophora crucifera</u> Ol. <u>Grycetonia versicolor</u> F. var. A arrow	Cotonidae	Coleoptera

(1)	(2)	(3)	(4)	(5)	(6)
	(3) Brinjal bud moth	राजकी बुद्ध	<u>Gnorimoschema blapsigona</u> M.	Gelechiidae	Lepidoptera
	(4) Brinjal epilachna beetle.	राजकी नीले- बेडनी पीला	<u>Epilachna</u> 28 = <u>punctata</u> F. E. 12 - <u>stigma</u> M.	Coccinellidae	Coleoptera
	(5) Brinjal fruit and shoot borer	राजकी फल व पुत्र की बोर	<u>Leucinodes orbonalis</u> G.	Pyralidae	Lepidoptera
	(6) Brinjal hairy caterpillar.	राजकी बालु- बोर	<u>Euproctis subnotata</u> Wkr. <u>Selepa docilis</u> B.	Lymantriidae Noctuidae	" "
	(7) Brinjal jassids	राजकी नीले तडाक	<u>Empoasca devastans</u> D.	Cicadellidae	Hemiptera
	(8) Brinjal lace bug	राजकी नीले बेडनी	<u>Urentius echinus</u> D.	Tingidae	"
	(9) Brinjal leaf-eating caterpillar.	राजकी नीले बोर	<u>Laphygma exigua</u> Hb. <u>Selepa rabdota</u> H.	Noctuidae Noctuidae	Lepidoptera "
	(10) Brinjal leaf roller.	राजकी नीले बोर	<u>Eublemma olivacea</u> Wkr.	Noctuidae	"
	(11) Brinjal stem borer	राजकी नीले बोर	<u>Euzophera particella</u> R. <u>Phycita celiarella</u> z.	Pyralidae "	" "
	(12) Cutworm	राजकी बोर	<u>Agrotis ypsilon</u> R.	Noctuidae	"
	(13) Mites	राजकी बोर	<u>Tetranychus telarius</u> L.	Tetranychidae	Acarina
	(14) Myliocerus weevil	राजकी बोर	<u>Myliocerus blandus</u> Fst.	Curculionidae	Coleoptera

(1)	(2)	(3)	(4)	(5)	(6)
25. Fenugreek or Methi ( <u>Trigonella foenugraecum</u> )	(1) Leaf-eating caterpillar.	ଏକମୂଳୀର ଉଷଣ	<u>Laphygma exigua</u> Hb.	Noctuidae	Lepidoptera
	(2) Thrips	କିଆ	-	Thripidae	Thysanoptera
26. Luni. ( <u>Portulaca quadrifida</u> )	(1) Leaf-eating caterpillar	ଏକମୂଳୀର ଉଷଣ	<u>Prodenia litura</u> F.	Noctuidae	Lepidoptera
27. Potato. ( <u>Solanum Tuberosum</u> )	(1) Potato aphids	ଏକମୂଳୀର କୀଟ	<u>Myzus (Nectarosiphon) persicae</u> S.	Aphididae	Hemiptera
	(2) Potato tuber-moth.	ଏକମୂଳୀର କୀଟ	<u>Gnorimoschema operculella</u> Z.	Gelechiidae	Lepidoptera
	(3) Cutworm	ଏକମୂଳୀର ଉଷଣ	<u>Agrotis ypsilon</u> R.	Noctuidae	"
	(4) Epilachna beetle	ଏକମୂଳୀର କୀଟ	<u>Epilachna 28 - punctata</u> F. <u>E. 12 - stigma</u> M.	Coccinellidae	Coleoptera
	(5) Leafhoppers or jassids	ଏକମୂଳୀର କୀଟ	<u>Empoasca devastans</u> D.	Cicadellidae	Hemiptera
	(6) Mites	ଏକମୂଳୀର କୀଟ	<u>Tetranychus telarius</u> L.	Tetranychidae	Acarina
	(7) Mole crickets	ଏକମୂଳୀର କୀଟ	<u>Grylloblatta africana</u> B.	Grylloblattidae	Orthoptera
28. Sweet Potato. ( <u>Ipomoea batatas</u> )	(1) Sweet potato-leaf-eating caterpillar		<u>Herse convolvuli</u> L. <u>Mergastonia indica</u> S.	Sphinxidae Pyralidae	Lepidoptera "

(1)	(2)	(3)	(4)	(5)	(6)
28. Sweet Potato ( <u>Ipomoea batatas</u> )	(1) Sweet potato leaf-eating caterpillar.	ସକ୍ତରିଆ ଧଳା ମାଲିଆ ଉଷଣ	<u>Herse convolvuli</u> L. <u>Margaronia indica</u> S. <u>Prodenia litura</u> F.	Sphingidae Pyralidae Noctuidae	Lepidoptera " "
	(2) Sweet potato weevil	ସକ୍ତରିଆ ଧଳା ମାଲିଆ	<u>Cylas formicarius</u> Fb.	Curculionidae	Coleoptera
29. Tandulja ( <u>Amaranthus clerocus</u> )	(1) Tandulja bug	କାଳିଆ ମାଲିଆ ଧଳା ମାଲିଆ	<u>Cletus sp.nv. Signatus</u> W.	Coreidae	Hemiptera
	(2) Tandulja leaf-eating caterpillar	କାଳିଆ ମାଲିଆ ଧଳା ମାଲିଆ ଉଷଣ	<u>Bretmocera impactella</u> W. <u>Zizeeria knysna</u> Tr.	Heliodinidae Lycaenidae	Lepidoptera "
	(3) Tandulja stem weevil	କାଳିଆ ମାଲିଆ ଧଳା ମାଲିଆ	<u>Hypolixus truncatulus</u> F.	Curculionidae	Coleoptera
<b>F. Cruciferous vegetables.</b>					
30. Cabbage, cauliflower, mustard, radish, knol-khol, turnip etc.	(The insects affecting these cruciferae are more or less similar)				
	(1) Cabbage borer	ଧଳା ମାଲିଆ ଧଳା ମାଲିଆ ଉଷଣ	<u>Hellula undalis</u> Fb.	Pyralidae	Lepidoptera
	(2) Cabbage butterfly	ଧଳା ମାଲିଆ ଧଳା ମାଲିଆ	<u>Pieris brassicae</u> L.	Pieridae	"
	(3) Cabbage leaf-eating caterpillar	ଧଳା ମାଲିଆ ଧଳା ମାଲିଆ ଉଷଣ	<u>Laphygma exigua</u> Hb. <u>Plusia ni</u> Hb. <u>Prodenia litura</u> F.	Noctuidae " "	" " "



(1)	(2)	(3)	(4)	(5)	(6)
	(4) Cabbage leafwebber	କାଳୀଜନି ପତ୍ର ରାଧିନୀର ଉଷଣ	<u>Crocidolomia binotalis</u> Z.	Pyralidae	Lepidoptera
	(5) Mustard sawfly	ରାଉନ୍ଦୀ ମାଂସା	<u>Athalia lugens proxima</u> K.	Tenthredinidae	Hymenoptera
	(6) Radish flea beetle	ମୁଗାଜୀ ସଞ୍ଜୁଣୀ	<u>Phyllotreta cruciferae</u> G.	Chrysomelidae	Coleoptera
	(7) Radish grasshopper	ମୁଗାଜୀ ଲାଲି ଲୀ ପାଣ୍ଡ	<u>Atractomorpha crenulata</u> F.	Acrididae	Orthoptera
	(8) Aphids	ଧାତା	<u>Lipaphis erysimi</u> K. <u>Myzus persicae</u> S.	Aphididae	Hemiptera
	(9) Cutworms	ଧଣ୍ଡା କାଳୀଜନିର ଉଷଣ	<u>Agrotis ypsilon</u> R.	Noctuidae	Lepidoptera
	(10) Diamond backmoth	କାଳୀଜନି	<u>Plutella maculipennis</u> C.	Plutellidae	" "
	(11) Painted bug	ଧାତା ମୁଗାଜୀ	<u>Bagrada cruciferae</u> K. <u>B. hilaris</u> B. <u>B. picta</u> F.	Pentatomidae	Hemiptera
	(12) Thrips	ଧାତା	<u>Thrips tabaci</u> L.	Thripidae	Thysanoptera
	(13) White grubs	ଧାତା ସଞ୍ଜୁଣୀର ଉଷଣ	<u>Holotrichia consanguinea</u> B.	Melolonthidae	Coleoptera
G. Cucurbits.					
31. Pumpkins, cucumbers, gourds etc.					
(The insects affecting the different species of cucurbits are more or less the same)					
(1)	(2)	(3)	(4)	(5)	(6)
	(1) Bottlegourd bug	ଧାତା ମୁଗାଜୀ	<u>Gampsocoris pulchellus</u> +D. <u>Nesidiocoris tenuis</u> B. R.	Berytidae Miridae	Hemiptera

(1)	(2)	(3)	(4)	(5)	(6)
	(2) Bottle gourd leaf feeding caterpillar	ଝୁଆଁ ନୀଳ ପତ୍ର ଖାଦ୍ୟକୀଟ ଚରମ୍ପା	<u>Margarona indica</u> S. <u>Sphenarches anisodactylus</u> W.	Pyralidae Pterophoridae	Lepidoptera "
	(3) Pointed gourd leaf feeding caterpillar	ଘରଘର ନୀଳ ପତ୍ର ଖାଦ୍ୟକୀଟ ଚରମ୍ପା	<u>Plusia peponis</u> F.	Noctuidae	"
	(4) Aphids.	ଝାଣି	<u>Aphis</u> sp. ? <u>gossypii</u> or <u>nasturtii</u> <u>A. gossypii</u> G. <u>A. malvae</u> PaSc.	Aphididae " "	Hemiptera " "
	(5) Banded blister beetle.	ଝୁଲିଆଁ ଝୁଲିଆଁ କୀଟ	<u>Mylabris phalarata</u> Pall. <u>Zonabris pustulata</u> Th.	Meloidae "	Coleoptera "
	(6) Epilachna beetle	ଝାଣି ଝାଣି କୀଟ	<u>Epilachna</u> 28 - <u>punctata</u> F. E. - 12- <u>punctata</u> M. E. sp. nr. <u>Sparsa</u> Hb.	Coccinellidae " "	Coleoptera " "
	(7) Fruit fly	ଝାଣି	<u>Dacus diversus</u> Coq. <u>D. (Strumeta) cucurbitae</u> Coq.	Tephritidae "	Diptera "
	(8) Red and black pumpkin beetle	ଝାଣି ଝାଣି କୀଟ	<u>Aulacophora</u> spp.	Galerucidae	Coleoptera
	(9) Thrips	ଝାଣି	-	Thripidae	Thysanoptera

(1)	(2)	(3)	(4)	(5)	(6)
<b>H. Oilseed crops</b>					
<b>32. Castor.</b>					
<b>(Ricinus communis)</b>					
(1)	Castor capsule borer	द्विबली की डोर	<u>Dichocrocis punctiferalis</u> G.	Pyralidae	Lepidoptera
(2)	Castor jassids	नारियल	<u>Empoasca flavescens</u> Fb.	Jassidae	Hemiptera
(3)	Castor leaf-eating caterpillars	द्विबली की पत्तों पर नारियल	<u>Ariadne merione</u> Cr.	Nymphalidae	Lepidoptera
			<u>Lophygnathus exiguus</u> Hb.	Noctuidae	"
			<u>Prodenia litura</u> F.	"	"
(4)	Castor semi-looper	द्विबली की पत्तों पर नारियल	<u>Acheas lanata</u> L.	"	"
			<u>Parallelia stuposa</u> F.	Aleurodidae-Hemiptera	"
(5)	Castor whitefly	द्विबली की सफेद	<u>Trialeurodes ricini</u> M.	Aleurodidae	Hemiptera
(6)	Castor mites	द्विबली की पत्तों पर	<u>Eutetranychus orientalis</u> K.	Tetranychidae	Acarina
			<u>Tetranychus telarius</u> L.	"	"
(7)	Hairy caterpillar	डोर	<u>Ansacta moorei</u> B.	Arctiidae	Lepidoptera
			<u>Euproctis limbata</u> B.	Lymantriidae	"
			<u>E. subnotata</u> W.	"	"
<b>33. Groundnut</b>					
<b>(<u>Arachis hypogaea</u>)</b>					
(1)	Groundnut aphids	भयङ्करा की भोजी	<u>Aphis craccivora</u> Koch.	Aphididae	Hemiptera
(2)	Groundnut podsucking bug.	भयङ्करा की मुसुसियु	<u>Aphanus sordidus</u> Fb.	Lygaeidae	"
			<u>Elasmodon sordidus</u> F.	"	"

(1)	(2)	(3)	(4)	(5)	(6)
	(3) Blister beetle	કાલિચક્ર	<u>Mylabris phalarata</u> Pall.	Meloidae	Coleoptera
	(4) Gujarat hairy caterpillar	કાલર	<u>Amsacta moorei</u> B.	Arctiidae	Lepidoptera
	(5) Myllocerus weevil	માયલો સિરસ ની ચિલ	<u>Myllocerus discolor</u> Boh.	Curculionidae	Coleoptera
	(6) Surface grass-hopper	ખપડી	<u>Chrotogonus</u> spp.	+Acrididae	Orthoptera
	(7) Thrips	થ્રિપ્સ	-	Thripidae	Thysanoptera
	(8) White grub	પડણ ચખવાડી	<u>Helotrichia consanguinea</u> Bl.	Melolonthidae	Coleoptera
<b>34. Safflower.</b> <b>(<u>Carthamus tinctorius</u>)</b>	(1) Safflower aphids	કુખીની મોલ	<u>Uroleucon (Uroleucon) sp. ?</u> <u>compositae</u> Theob.	Aphididae	Hemiptera
	(2) Safflower leaf-eating caterpillar	કુખીની પાન ખાતર ઇંચ	<u>Perigoea capensis</u> G.	Noctuidae	Lepidoptera
<b>35. Sesamum</b> <b>(<u>Sesamum orientale</u>)</b>	(1) Sesamum bark beetle.	સલની ચડની છાલ કોરી ખાતર પીટા	<u>Anthracophora crucifera</u> Ol. <u>Oxyctonia versicolor</u> (F.) var. A a Brown	Cetoniidae	Coleoptera
	(2) Sesamum gallfly	સલની માલિયા મળી	<u>Asphondylia sesami</u> F. <u>Gitonides perspicax</u> K.	Cecidomyiidae	Diptera
	(3) Sesamum leaf roller	સલની પાન ખાતર ઇંચ	<u>Antigastra catalanualis</u> D.	Pyralidae	Lepidoptera

(1)	(2)	(3)	(4)	(5)	(6)
	(4) Sesamum podsucking bug.	તલનું ચુસિયું	<u>Aphanus sordidus</u> Fb. <u>Lygaeus civilis</u> Wolff.	Lygaeidae Hemiptera " "	
	(5) Sesamum leaf-eating caterpillar	તલનું પાન ખાનાર ઈયળ	<u>Acherontia styx</u> W. <u>Laphygma exigua</u> Hb. <u>Prodenia litura</u> F.	Sphingidae Lepidoptera Noctuidae " " " "	
	(6) Gujarat hairy caterpillar	કાંતરો	<u>Amsacta moorei</u> B.	Arctiidae " "	
	(7) Myllocerus weevil.	માયલો સિરસ વીંચિલ	<u>Myllocerus discolor</u> Beh.	Curculionidae Coleoptera	
<b>I. Fibre Crops.</b>					
36. Cotton. ( <u>Gossypium</u> spp.)	(1) Cotton aphid	કપાસની મોલો	<u>Aphis gossypii</u> G.	Aphididae Hemiptera	
	(2) Cotton budworm	કપાસની ડુંબ કીડો	<u>Phycita</u> sp. nr. <u>infusella</u> M. ?Gen. et sp.	Pyralidae Lepidoptera Phycitinae " "	
	(3) Cotton green semilooper	કપાસની લીલી પોડિયો ઈયળ	<u>Anania flava</u> F.	Noctuidae " "	
	(4) Cotton jassids	કપાસની લડકડાં	<u>Empoasca devastans</u> D.	Cicadellidae Hemiptera	
	(5) Cotton leaf roller	કપાસની પાન ખાનાર ઈયળ	<u>Sylepta derogata</u> F.	Pyralidae Lepidoptera	
	(6) Cotton semilooper	કપાસની પોડિયો ઈયળ	<u>Tarache nitidula</u> F. <u>Xanthodes intersepta</u> Gn.	Noctuidae " " " "	

(1)	(2)	ક્રમ	(3)	(4)	(5)	(6)
	(7) Cotton stem borer	કપાસના ઇંચાળા	પરોપજીવિયકારી	<u>Sphanoptera gossypii</u> Kr.	Buprestidae	Coleoptera
	(8) Cotton stem weevil	કપાસના ઇંચાળા	પરોપજીવિયકારી	<u>Alcidodas nr. affaber</u> Aur.	Curculionidae	" "
				<u>Pempheres nr. affinis</u> F.	" "	" "
	(9) Cotton thrips	કપાસની ઇંચાળા	પરોપજીવિયકારી	<u>Scirtothrips dorsalis</u> H.	Thripidae	Thysanoptera
	(10) Cotton whitefly	કપાસની સફેદમી	પરોપજીવિયકારી	<u>Bemisia tabaci</u> Gn.	Aleurodidae	Hemiptera
	(11) Dusky cottonbug	કપાસના ઇંચાળા	પરોપજીવિયકારી	<u>Oxycarenus laetus</u> K.	Lygaeidae	" "
	(12) Gujarat hairy caterpillar	કપાસના ઇંચાળા	પરોપજીવિયકારી	<u>Amneta moorei</u> B.	Arctiidae	Lepidoptera
	(13) Leaf eating caterpillar	કપાસના ઇંચાળા	પરોપજીવિયકારી	<u>Laphygma exigua</u> Hb.	Noctuidae	" "
				<u>Prodenia litura</u> F.	" "	" "
	(14) Mite	કપાસના ઇંચાળા	પરોપજીવિયકારી	<u>Agistemus</u> sp.	Stigmaeidae	Acarina
				<u>Brevipalpus phoenicis</u> G.	Tenuipalpidae	" "
				<u>Eutetranychus orientalis</u> K.	Tetranychidae	" "
				<u>Tetranychus telarius</u> L.	" "	" "
	(15) Myllocerus weevil.	કપાસના ઇંચાળા	પરોપજીવિયકારી	<u>Myllocerus blandus</u> Fst.	Curculionidae	Coleoptera
				<u>M. discolor</u> Boh.	" "	" "
				<u>M. laetivirens</u> Mshl.	" "	" "

(1)	(2)	(3)	(4)	(5)	(6)
	(16) Pink bollworm	ଖୁଣ୍ଟା ଉଷ୍ଣ	<u>Platyedra gossypiella</u> S.	Gelechiidae	Lepidoptera
	(17) Red cotton bug	ଉପରାମି ରାଜି ଧୁସିରାମି	<u>Dysdercus conglutus</u> Fb.	Pyrrhocori-	Hemiptera dae
	(18) Spotted bollworm	ଫୁଲ ଉଷ୍ଣ	<u>Baries fabia</u> stoll <u>E. insulana</u> B.	Noctuidae	Lepidoptera " "
	(19) Surface grasshopper	ଧୂଳି	<u>Chrotogonus</u> spp.	Acrididae	Orthoptera
	(20) Termites	ଉଷ୍ଣ	<u>Odontotermes obesus</u> R. <u>Trinervitermes subidus</u> Hag.	Termitidae	Isoptera " "
	(21) Weedy mite	ଉଷ୍ଣ ଓ ଧୂଳି	<u>Eriophyes gossypii</u> B.	Eriophidae	Acarina
37. Sannhemp. ( <u>Crotalaria</u> <u>junea</u> )	(1) Sannhemp capsid bug.	ଉଷ୍ଣ ଧୁସିରାମି	<u>Nagaus importunitas</u> D.	Capsidae	Hemiptera
	(2) Sannhemp flea beetle	ଉଷ୍ଣ ଧୂଳି	<u>Longitarsus</u> sp.	Chrysomelidae	Coleoptera
	(3) Sannhemp hairy caterpillar	ଉଷ୍ଣ ଧୂଳି	<u>Argina cribaria</u> Ol. <u>A. syringa</u> Gr. <u>Utetheisa pulchella</u> L.	Arctiidae	Lepidoptera " " " "
	(4) Sannhemp leaf-eating caterpillar	ଉଷ୍ଣ ଧୂଳି	<u>Lophyrus exigua</u> Hb.	Noctuidae	" "
	(5) Sannhemp stem borer	ଉଷ୍ଣ ଧୂଳି	<u>Laspeyresia</u> sp.	Eucosmidae	" "

(1)	(2)	(3)	(4)	(5)	(6)
	(6) Aphids	मोसो	-	Aphididae	Hemiptera
	(7) Gujarat hairy caterpillar	डालर	<u>Amacta moorei</u> B.	Arctiidae	Lepidoptera
	(8) Myllocerus weevil	मालकोसिरस की बिल	<u>Myllocerus discolor</u> Boh.	Curculionidae	Coleoptera
<b>J. Narcotics.</b>					
<b>38. Chicory. (<u>Cichorium intybus</u>)</b>					
(1)	Chicory semileoper	की डोरी नीपो डिवा धुम	<u>Plusia</u> sp.	Nectuidae	Lepidoptera
<b>39. Tobacco. (<u>Nicotiana tabacum</u>)</b>					
(1)	Black beetles	डाला की टस	<u>Onthophagus</u> sp.	Copridae	Coleoptera
(2)	Dirty black long beetles.	डाला डाला लकी की टस	<u>Rhyssalus orientalis</u> Muls.	Aphodiidae	"
(3)	Maggots of house fly.	घरमाली की डोरी	<u>Musca domestica</u> L.	Muscidae	Diptera
(4)	Male crickets	तमरी	<u>Grylotalpa africana</u> B.	Grylotalpidae	Orthoptera
(5)	Rove beetles	रोव की टस	<u>Bledius gracilicornis</u> Kr.	Staphylinidae	Coleoptera
			<u>Oxytelus latiusculus</u> Kr.	"	"
(6)	Small black cricket.	तमरी डाला	<u>Tridactylus biparius</u> Ss.	Gryllidae	Orthoptera
(7)	Surface grasshopper	मपडी	<u>Chrotogenus</u> sp.	Acrididae	"



(1)	(2)	(3)	(4)	(5)	(6)
	(8) Tobacco aphid	तमकुनी मोला	<u>Myzus persicae</u> S.	Aphididae	Hemiptera
	(9) Tobacco bug	तमकुनी मुसिय	<u>Nesidiocoris tenuis</u> Rent.	Miridae	"
	(10) Tobacco capsule beetle.	तमकुनी अंडवा कीरनीर धवण	<u>Heliothis armigera</u> Hb. <u>H. assulta</u> Gn.	Noctuidae "	Leidoptera "
	(11) Tobacco cutworm	तमकुनी पड डीप- नीर धवण	<u>Agrotis ypsilon</u> R.	"	"
	(12) Tobacco grasshopper	तमकुनी कीतीपीर	<u>Acrotylus humbertianus</u> Sauss.	Acrididae	Orthoptera
			<u>Atractomorpha crenulata</u> F.	"	"
			<u>Catantops pinguis in- -tabilis</u> W.	"	"
			<u>Latana atomifera</u> Brun.	Tettigenidae	"
			<u>Oecanthus</u> sp.	Gryllidae	"
			<u>Phaneroptera gracilis</u> Burn.	Tettigenidae	"
	(13) Tobacco ground beetles.	तमकुनी मधडिय	<u>Gonocephalum</u> <u>derosfanosum</u> Fa.	Tenebrionidae	Coleoptera
			<u>Opatroides punctulatus</u> Brull.	"	"
	(14) Tobacco leafeating caterpillar	तमकुनी पीप पीनीर धवण	<u>Laphygma exigua</u> Hb. <u>Prodenia litura</u> F.	Noctuidae "	Lepidoptera "

(1)	(2)	(3)	(4)	(5)	(6)
	(15) Tobacco semi-looper.	କମଳାସୁନୀ ଧୂଳିଆ ଫାଲ	<u>Plusia ni</u> Hb.	Noctuidae	Lepidoptera
	(16) Tobacco stem borer.	କମଳାସୁନୀ ଖଣ୍ଡିଆ ଫାଲ	<u>Gnorimoschena helioda</u> Low <u>G. sperculata</u> Z.	Gelechiidae "	" "
	(17) Tobacco whitefly	କମଳାସୁନୀ ଚଢ଼େଇ (ଫାଲ)	<u>Benisia tabaci</u> Gn.	Alexandridae	Hemiptera
	(18) Tobacco hairy caterpillar	କମଳାସୁନୀ ଓଡ଼ିଆ	<u>Anacta neorei</u> B.	Arctiidae	Lepidoptera

K. Fruit Crops.

40. Amla.

(Phyllanthus emblica)

(1) Amla aphids	କମଳାସୁନୀ ଧୂଳିଆ	<u>Cercinphis emblica</u> sp. nov.	Aphididae	Hemiptera
(2) Amla bug	କମଳାସୁନୀ ଧୂଳିଆ	<u>Halys dentatus</u> Fe.	Pentatomidae	"
(3) Amla gall beetle.	କମଳାସୁନୀ ଧୂଳିଆ ଫାଲ	<u>Callinermis</u> sp. ? <u>trilineaticellia</u> Pic.	Cleridae	Coleoptera
(4) Amla hairy caterpillar	କମଳାସୁନୀ ଓଡ଼ିଆ	<u>Selepa celtis</u> M. <u>S. discigera</u> W.	Noctuidae "	Lepidoptera "
(5) Amla leaf miner	କମଳାସୁନୀ ଧୂଳିଆ ଓଡ଼ିଆ ଫାଲ	<u>Caloptilia acidula</u> M.	Gracillariidae	"
(6) Bark and shoot borer.	ଓଡ଼ିଆ ଓଡ଼ିଆ ଫାଲ	<u>Indarbela</u> sp.	Metarbelidae	"

(1)	(2)	(3)	(4)	(5)	(6)
<b>41. Banana</b>					
<b>(Musa paradisiaca)</b>					
	(1) Banana aphids	ଝୁଲି ମିଶା	<u>Pentalonia nigronervosa</u> Coq.	Aphididae	Hemiptera
	(2) Leaf-eating caterpillar	ପାନପାନୀର ଉଷ୍ଣ	<u>Prodenia litura</u> F.	Nectuidae	Lepidoptera
<b>42. Ber.</b>					
<b>(Zizyphus mauritiana)</b>					
	(1) Ber fruit borer	ଘୌରନା ଝୁଲିଝୁରନୀର କୀଟ	-	-	-
	(2) Ber fruit fly	ଘୌରନା ଝୁଲି ମାଝା	<u>Dacus</u> spp.	Tephritidae	Diptera
	(3) Ber hairy caterpillar	ଘୌରନା ଝୁଲିରା	<u>Thisodes postica</u> W.	Nectuidae	Lepidoptera
	(4) Ber leaf roller	ଘୌରନା ପାନପାନୀର ଉଷ୍ଣ	<u>Synclera univocalis</u> W.	Pyralidae	"
	(5) Bark and shoot borer	ଝାଞ୍ଜା ଓ ଝୁଲିମିଝୁଲି	<u>Indarbela</u> sp.	Metarbelidae	"
	(6) Myllocerus weevil	ଝୁଲିମିଝୁଲି ଝିରଝିରା ବିଞ୍ଜ	<u>Myllocerus discolor</u> Beh.	Curculionidae	Coleoptera
	(7) Mites	ପାନଝୁଲି	<u>Eutetranychus orientalis</u> K.	Tetranychidae	Acarina
			<u>Pronematus</u> sp.	Tydeidae	"
<b>43. Chiku</b>					
<b>(Achras sapota)</b>					
	(1) Chiku budworm	ଝୁଲି ଝୁଲି ମିଶା	<u>Anarsa</u> sp.	Gelechiidae	Lepidoptera
	(2) Chiku fruitflies	ଝୁଲି ଝୁଲି ମାଝା	<u>Dacus</u> sp.	Tephritidae	Diptera

(1)	(2)	(3)	(4)	(5)	(6)
	thrips (3) Chiku fruits	କିଆଁରୀ ମିଷ୍ଟ	-	Thripidae	Thysanoptera
	(4) Leaf hoppers	ଧାସିଆ	<u>Idiocerus atkinsoni</u> L.	Jassidae	Hemiptera
			<u>I. clypealis</u> L.	"	"
			<u>I. niveosparsus</u> L.	"	"
44. False. ( <u>Grewia</u> <u>asiatica</u> )	(1) False leaf-eating caterpillar	ଝିଲେଇମାରି ପାଳି ଧାସିଆର ଉଷଣ	<u>Characoma niletica</u> Rag.	Nectuidae	Lepidoptera
45. Fig ( <u>Ficus</u> <u>carica</u> )	(1) Fig leaf roller	କିଆଁରୀ ପାଳି ଧାସିଆର ଉଷଣ	<u>Phycodes radiata</u> Ochs.	Nectuidae	Lepidoptera
	(2) Big fruit flies	କିଆଁରୀ ଝିଲେଇମାରି	<u>Dacus</u> sp.	Glyphipterigidae Tephritidae	Diptera
	(3) Mites	ଧାସିଆରୀ	-	-	-
	(4) Stem borer	କିଆଁରୀ ମେଢ଼	<u>Bateura rubus</u> L.	Cerambycidae	Coleoptera
			<u>B. rufomaculata</u> De Geer	"	"
46. Grapevine ( <u>Vitis</u> <u>vinifera</u> )	(1) Grapevine flea beetle	ଝିଲେଇମାରି ଧାସିଆ	<u>Sceledonta strigicollis</u> M.	Chrysomelidae	Coleoptera
	(2) Grapevine girdle beetle	ଝିଲେଇମାରି ଝିଲେଇମାରି	<u>Sthenias grisator</u> F.	Lamiidae	"
	(3) Grapevine leaf beetle	ଝିଲେଇମାରି ପାଳି ଧାସିଆର ଉଷଣ	<u>Anomala dorsalis</u> F. <u>apogonia</u> sp.	Rutelidae Melolonthidae	" "

(1)	(2)	(3)	(4)	(5)	(6)
			<u>Bolboceras</u> sp. <u>calanus</u> W.	Geotrupidae	Coleoptera
			<u>B.</u> sp. <u>quadridens</u> F.	"	"
			<u>Catharsius</u> <u>inermis</u> L.	Copridae	"
			<u>Maladera</u> sp.	Melolonthidae	"
			<u>Onthophagus</u> <u>gazella</u> F.	Copridae	"
			<u>Pachyrhina</u> <u>oretus</u> <u>rugipennis</u> Bhs.	Rutelidae	"
୧୫	(4) Grapevine leaf-eating caterpillar.	ଝାଞ୍ଜନୀ ପତ୍ର ଖାଉଥିବା ପତଙ୍ଗ	<u>Theretra</u> <u>electra</u> Hb.	Sphingidae	Lepidoptera
			<u>T.</u> <u>clothe</u> Dr.	"	"
୧୬	(5) Grapevine thrips	ଝାଞ୍ଜନୀ ଉପର	<u>Rhipiphorethrips</u> <u>cruentatus</u> H.	Thripidae	Thysanoptera
	(6) Mites	ପତ୍ର ଉପର	<u>Brevipalpus</u> <u>obovatus</u> D.	Tenuipalpidae	Acarina
			<u>Oligonychus</u> sp.	Tetranychidae	"
47. Guava. ( <u>Psidium guajava</u> )	(1) Guava fruit borer	ଝାଞ୍ଜନୀ ଫଳ ଉପର	<u>Virachola</u> <u>isocrates</u> F.	Lycaenidae	Lepidoptera
	(2) Guava fruitfly	ଝାଞ୍ଜନୀ ଫଳ ଉପର	<u>Dacus</u> sp.	Tephritidae	Diptera
	(3) Guava scale	ଝାଞ୍ଜନୀ ଫଳ ଉପର	<u>Pulvinaria</u> <u>psidii</u> M.	Coccidae	Hemiptera
	(4) Guava thrips	ଝାଞ୍ଜନୀ ଫଳ ଉପର	-	Thripidae	Thysanoptera
	(5) Bark and shoot borer	ଝାଞ୍ଜନୀ ଫଳ ଉପର	<u>Indarbela</u> sp.	Metarbelidae	Lepidoptera
	(6) <u>Myllecerus</u> weevil	ଝାଞ୍ଜନୀ ଫଳ ଉପର	<u>Myllecerus</u> <u>blandus</u> Fst.	Curculionidae	Coleoptera

(1)	(2)	(3)	(4)	(5)	(6)
48. Jambu. ( <u>Syzygium cumini</u> )	(1) Jambu leaf-eating caterpillars	ଅମ୍ବୁନା ପତ୍ର କୀଟମାନଙ୍କ ଉପର	<u>Carea angulata</u> F.	Nectuidae	Lepidoptera
	(2) Jambu leaf roller	ଅମ୍ବୁନା ପତ୍ର କୀଟମାନଙ୍କ ଉପର	<u>Metanastria hyrtaca</u> Gr.	Lasiocampidae	"
	(3) Bark and shoot borer	ଓଲ ଓ ଶୁଣ୍ଠି କୀଟମାନଙ୍କ ଉପର	<u>Indarbela</u> sp.	Metarbelidae	"
49. Citrus (Lemon, orange, grapefruit etc.)	(1) Citrus root beetle	ଈଷ୍ଟିକା ମୂଳକୀଟମାନଙ୍କ ଉପର	<u>Schizonycha ruficollis</u> F.	Melonthidae	Coleoptera
	(2) Lemon aphids	ଈଷ୍ଟିକା ମିଳା	<u>Toxoptera aurantii</u> B.	Aphididae	Hemiptera
	(3) Lemon butterfly	ଈଷ୍ଟିକା ପତ୍ରକିଷ୍ଟ	<u>Papilio demoleus</u> L.	Papilionidae	Lepidoptera
	(4) Lemon fruit borer	ଈଷ୍ଟିକା ଫଳକୀଟମାନଙ୍କ ଉପର	<u>Dichocrocis punctifera-</u> <u>lis</u> Gn.	Pyralidae	"
	(5) Lemon fruit sucking moth.	ଈଷ୍ଟିକା ଫଳ କୀଟମାନଙ୍କ ଉପର	<u>Ophideres fullonica</u> L.	Noctuidae	"
			<u>O. materna</u> L.	"	"
	(6) Lemon leaf miner	ଈଷ୍ଟିକା ପତ୍ରକୀଟମାନଙ୍କ ଉପର	<u>Phyllocnistis citrella</u> S.	Lyonetidae	"
	(7) Lemon leaf webber	ଈଷ୍ଟିକା ପତ୍ରକୀଟମାନଙ୍କ ଉପର	<u>Psoresticha zizyphi</u> St.	Oecophoridae	"
	(8) Mealy bugs	କୀଟମାନଙ୍କ ଉପର	-	-	-
(9) Mites	କୀଟମାନଙ୍କ ଉପର	<u>Eutetranychus</u> sp.	Tetranychidae	Acarina	
		<u>Eutetranychus orientalis</u> K.	"	"	

(1)	(2)	(3)	(4)	(5)	(6)
			<u>Paratetranychus citri</u>	Tetranychidae	Acarina
			<u>Tydeus</u> sp.	Tydeidae	"
	(10)	<u>Myllecerus</u> માથેલી સિરસ વી વિલ weevil	<u>Myllecerus discolor</u> Boh.	Curculionidae	"
	(11)	Bad ants ઝીખોલી ચયવલ રેલી ઝી ઝી	<u>Oecophylla smaragdina</u> F.	Fermicidae	Hymenoptera
	(12)	Bark and sheet borer ઇલે અને ડાખનો મદ	<u>Indarbela</u> sp.	Metarbelidae	Lepidoptera
	(13)	White ants ઉધઈ	<u>Termitis</u> sp.	Termitidae	Isoptera
	(14)	Whitefly સફેદ ખાખી	<u>Dialeurodes citri</u> R. and H.	Aleurodidae	Hemiptera
50. Mango. ( <u>Mangifera indica</u> )	(1)	Mango blister ચલેલેલી પાનની leaf gallfly વાખિય ખાખી	<u>Allasomyia tenuispatha</u> K.	Cecidomyiidae	Diptera
	(2)	Mango bud worm ચલેલેલી ફળનો ઝી ડી	<u>Argyropleca aprohola</u> M.	Olethreutidae	Lepidoptera
	(3)	Mango fruit fly <sup>/borer</sup> ચલેલેલી ફળનો ઝી ડી	<u>Dichocrocis punctiferalis</u> Gn.	Pyrilidae	"
	(4)	Mango fruitfly ચલેલેલી ફળખાખી	<u>Dacus</u> sp.	Tephritidae	Diptera
	(5)	Mango jassids or ચલેલેલી ખધિયો hoppers ચયવલ લડતડિયલ	<u>Idiocerus atkinsoni</u> L. <u>I. clypealis</u> L. <u>I. niveosparcus</u> L.	Jassidae " "	Hemiptera " "
	(6)	Mango looper ચલેલેલી પાનખાનર caterpillar પોડિયલ ઇચખ	<u>Thalassodes quadrarea</u> Gn.	Geometridae	Lepidoptera

(1)	(2)	(3)	(4)	(5)	(6)
	(7) Mango malformed inflorescence or leaf enterpillar	ଅମ୍ବିକାମୂଳ ମାଂସ ଅଧିକାଂସ ପାନମାନିତ ପିଆଜ	<u>Bombutelia</u> <u>lucosatrix</u> G. <u>Herculia</u> sp. <u>Steicta</u> sp.	Noctuidae Pyralidae "	Lepidoptera " "
	(8) Mango stem borer	ଅମ୍ବିକାମୂଳ କୀଟ	<u>Batocera</u> <u>rubus</u> L. <u>B. rufomaculata</u> D.	Cerambycidae "	Coleoptera "
	(9) Bark and sheet borer	ପାଖି ଓ ଉପରୀ କୀଟ	<u>Indarbela</u> sp.	Metarbelidae	Lepidoptera
	(10) Mealy bugs	କୀଟ	<u>Drosicha</u> <u>mangiferae</u> Gr. <u>D. stebbingi</u> Gr.	Coccidae "	Hemiptera "
	(11) Myllocerus weevil	ମାଧ୍ୟମୀ କିରକିରୀ ବିଶ	<u>Myllocerus</u> <u>discolor</u> Boh.	Curculionidae	Coleoptera
	(12) Red ants	କୀଟ	<u>Oecophylla</u> <u>smaragdina</u> F.	Formicidae	Hymenoptera
	(13) Termites	କୀଟ	<u>Odontotermes</u> spp.	Termitidae	Isoptera
	(14) Mites	ପାନ ଓ ଧୂଳି	<u>Oligonychus</u> sp. <u>Tetranychus</u> <u>telarius</u> L.	Tetranychidae "	Acarina "
51. Mulberry ( <u>Morus nigra</u> )	(1) Mulberry leaf beetle	କିରକିରୀ ପାନମାନିତ କୀଟ	<u>Olenecamptus</u> <u>bilobus</u> F. var.	Lamiidae	Coleoptera





(1)	(2)	(3)	(4)	(5)	(6)
<u>L. Shade trees.</u>					
54. ( <u>Cassia</u> , cork tree, Goldmohor, <u>Peltephorum</u> , Raintree etc.)					
(1)	Cassia leaf-eating caterpillar	କେଶି ମାନି ପାନ କରୁଥିବା ପତଙ୍ଗ	<u>Catepsilia romana</u> L.	Pieridae	Lepidoptera
(2)	Cork tree leaf webber	କୃଷ୍ଣା ପାନୀ ଯାଏନ ଶ୍ରୀ ଓ	<u>Hyblaea puera</u> C.	Noctuidae	"
(3)	Bark and sheet borer	ଓଲ ଯେ ଓଲିନୀ ମଠ	<u>Indarbela</u> sp.	Metarbelidae	"
(4)	<u>Myllecerus</u> weevil	ମାୟାଲି ସିରସ ବା ବିର	<u>Myllecerus discolor</u> Boh.	Curculionidae	Coleoptera
<u>M. Garden Plants.</u>					
55. <u>aster</u> . ( <u>Callistephus chinensis</u> )					
(1)	<u>Aster</u> aphids	କେଟରୀ ମୋଲ	<u>Dactynotus</u> ( <u>Uromelan</u> ) <u>compositae</u> Th.	Aphididae	Hemiptera
56. <u>Allysum</u> ( <u>Alyssum maritimum</u> )					
(1)	<u>Allysum</u> aphid	କେଶି ସମନୀ ମୋଲ	<u>Lipaphis</u> sp. ? <u>erysimi</u>	Aphididae	Hemiptera
(2)	<u>Allysum</u> sawfly	କେଶି ସମନୀ ମାଂସୀ	<u>Athalia lugens proxima</u> K.	Tenthredinidae	Hymenoptera
(3)	Diamond backmoth	କୀରା ଝୁଝୁ	<u>Plutella maculipennis</u> C.	Plutellidae	Lepidoptera
57. <u>Balsam</u> ( <u>Impatiens balsamina</u> )					
(1)	<u>Balsam</u> leaf webber	କମଳା ନିଧି ନିଧି ସମାନ ପତଙ୍ଗ	<u>Syllepte arctalis</u> Gn.	Pyralidae	Lepidoptera

(1)	(2)	(3)	(4)	(5)	(6)
58. <u>Cactus</u> ( <u>Euphorbia</u> <u>nerifolia</u> )	(1) Cactus leaf caterpillar	કેક્ટસની પાનખાતીર ઉચ્ચ	<u>Nerhopterix</u> sp.nr. <u>divisella</u> Dup.	Pyralidae	Lepidoptera
59. <u>Candytuff</u> ( <u>Iberis</u> <u>gibraltaria</u> )	(1) Diamond back moth	કોરો કુદ	<u>Plutella maculipennis</u> C.	Plutellidae	"
60. <u>Cock's comb</u> . ( <u>Colexia</u> <u>cristata</u> )	(1) Cock's comb leaf webber	કોક્સ કોમ્બની પાન સાધનર ઉચ્ચ	<u>Hymenia recurvalis</u> L.	Pyralidae	"
61. <u>Dahlias</u> ( <u>Dahlia</u> <u>ceccinea</u> )	(1) Dahlias aphids	ડાહલીયાની ખોલ	<u>Uroleucen</u> ( <u>Urolelan</u> ) <u>compositae</u> Th.	Aphididae	Hemiptera
62. <u>Gallardia</u> ( <u>Gaillardia</u> <u>pulchella</u> )	(1) Gallardia aphids	ગેલારડિયાની ખોલ	<u>Uroleucen</u> ( <u>Urolelan</u> ) sp.? <u>compositae</u> Th.	"	"
63. <u>Helichrysum</u> ( <u>Helichrysum</u> <u>bracteatum</u> )	(1) Helichrysum aphids	હેલીક્રિસમની ખોલ	<u>Eactynetus</u> ( <u>Urolelan</u> ) <u>compositae</u> Th.	Aphididae	"
	(2) Helichrysum thrips	હેલીક્રિસમની થ્રિપ્સ	-	Thripidae	Thysanoptera

(1)	(2)	(3)	(4)	(5)	(6)
64. <u>Ixora</u> ( <u>Ixora</u> <u>coccinea</u> )	(1) Ixora aphids	କଞ୍ଚୁରୀର ମୋକ୍ଷ	-	Aphididae	Hemiptera
65. <u>Jasundi</u> ( <u>Hibiscus</u> <u>Rosasinensis</u> )	(1) Blister beetle	ଝିଲିକା	<u>Mylabris phalarata</u> Pall.	Meloidae	Coleoptera
66. <u>Lilly</u> ( <u>Lilium</u> <u>parvum</u> )	(1) Lilly leaf-eating caterpillar	ଶିଶିମା ପତ୍ର କୀଟ	<u>Polytela gloriosae</u> F.	Nectuidae	Lepidoptera
67. <u>Madhumalti</u> ( <u>Quisqualis</u> <u>indica</u> )	(1) Madhumalti scale-keeper	ମଧୁମାଳତୀର କୀଟ	<u>Achaea janata</u> L.	Nectuidae	Lepidoptera
68. <u>Oleander</u> ( <u>Nerium</u> <u>oleander</u> )	(1) Oleander leaf-eating caterpillar	ନୈର୍ଣ୍ଣର ପତ୍ର କୀଟ	<u>Daphnis nerii</u> L.	Sphingidae	"
69. <u>Ornamental</u> <u>Pomegranate</u> ( <u>Punica granatum</u> <u>var. nana</u> )	(1) Ornamental pomegranate case worm.	ଶିଖରୀର କୀଟ	<u>Clania</u> sp.	Psychidae	"
70. <u>Rose</u> ( <u>Rosa</u> spp.)	(1) Rose leaf roller	ଗୁଲାର କୀଟ	<u>Platyedra aprohola</u> M.	Tortricidae	"

(1)	(2)	(3)	(4)	(5)	(6)
	(2) Rose scales	ଗୁଣ୍ଡାପେନୀ ଖି ଡ଼େ	-	-	-
	(3) Rose thrips	ଗୁଣ୍ଡାପେନୀ ମି ଷ୍ଟ	-	Thripidae	Thysanoptera
	(4) Bark and sheet borer	ଓଲେ ଏମ୍ ଡ଼ାମେନୀ ବେଟ	<u>Indarbela</u> sp.	Metarbelidae	Lepidoptera
	(5) Blister beetle	ଝାସିବଳ	<u>Mylabris phalarata</u> Pall.	Cuculionidae	Coleoptera
	(6) Mites	ଧାନ ଡ଼ାମି ଟି	<u>Amblyseius</u> sp.	<del>Tetranychidae</del> Phytoseiidae	Acarina
			<u>Oligonychus</u> sp.	Tetranychidae	" "
	(7) +Scaliopter	ଧୌଡ଼ିଆ ଓଷଣ	<u>Achaea lanata</u> L.	Noctuidae	Lepidoptera
	(8) Termites	ଓଧର୍ଷ	<u>Trinervitermes rubidus</u> Hag.	Termitidae	Isoptera
71. <u>Steck.</u> ( <u>Matthiola</u> <u>incana</u> var. <u>annua</u> )	(1) Steck aphids	ଝାଡ଼ିନୀ ଧଳା	<u>Lipaphis erysimi</u> K.	Aphididae	Hemiptera
72. <u>Zinnia</u> ( <u>Zinnia</u> <u>elegans</u> )	(1) Zinnia leaf-eating caterpillar	ଝାମି ଧଳା ଧଳା ଧଳା ଓଷଣ	<u>Laphygma exigua</u> Hb. <u>Plusia</u> sp. <u>Predenia litura</u> F.	Noctuidae " "	Lepidoptera " "

(1)	(2)	(3)	(4)	(5)	(6)
<b>N. Medicinal plants.</b>					
<b>73. Damro.</b>					
<b>(Ocimum basilicum)</b>					
(1)	Damro lace-wing bug	उमरानई पानमईकी रस भुसनाईर मुसियु	-	-	-
(2)	Damro leaf bug	उमरानई पानमु मुसियु	-	-	-
(3)	Damro leaf-eating caterpillar	उमरानई पान पानाईर उखण	<i>Lyncestis amphix</i> Cr.	Noctuidae	Lepidoptera
(4)	Damro leaf webber	उमरानई पान सपनाईर उखण	-	-	-
(5)	Myllecerus weevil	भायलो सिरस की बिब	<i>Myllecerus discolor</i> B.	Curculionidae	Coleoptera
<b>74. Neem or Limde</b>					
<b>(Melia azedarach)</b>					
(1)	Neem leaf webber	की मडनाई पाननी जणई की डी	<i>Laspeyresia aurantiana</i> P.	Tortricidae	Lepidoptera
(2)	Myllecerus weevil	भायलो सिरस की बिब	<i>Myllecerus discolor</i> B.	Curculionidae	Coleoptera
(3)	Mites	पानडपीरी	<i>Eutetranychys orientalis</i> K.	Tetranychidae	Acarina
<b>75. Serpagandha</b>					
<b>(Rauwolfia serpentina)</b>					
(1)	Serpagandha leaf caterpillar	सपनाईर पान पानाईर उखण	<i>Daphnis nerii</i> L.	Sphingidae	Lepidoptera
<b>76. Soap-nut</b>					
<b>(Sapindus laurifolius)</b>					
(1)	Soap-nut bug	चरिठ (मु) मुसियु	<i>Leptocoris coimbatorensis</i> F.	Coreidae	Hemiptera

(1)	(2)	(3)	(4)	(5)	(6)
<b>77. Tulsi.</b>					
<b>(Ocimum sanctum)</b>					
(1)	Tulsi lace	तुलसी नी पाननुं मुसिडुं	-	-	-
	wing bug				
(2)	Tulsi leaf bug	तुलसी नी पाननुं मुसिडुं	-	-	-
(3)	Tulsi leaf-eating caterpillar	तुलसी नी पानपानर उरुण	<u>Lyncestis amphix</u> Cr.	Noctuidae	Lepidoptera
(4)	Tulsi leaf webber	तुलसी नी पान स धिनर उरुण	-	-	-
(5)	Tulsi whitefly	तुलसी नी सडेडमानी	-	-	-

**0. Spices and Condiments.**

**78. Chillies (Capsicum frutescens)**

(1)	Chillies aphids	भरथी नी पीले	<u>Aphis gossypii</u> or <u>nasturtii</u>	Aphididae	Hemiptera
(2)	Chillies thrips	भरथी नी सिख	<u>Anaphethrips</u> (Scirtethrips) <u>dorsalis</u> H.	Thripidae	Thysanoptera
(3)	Chillies white ants	भरथी नी उधर	<u>Trinervitermes rubidus</u> Hag.	Termitidae	Isoptera
(4)	Cut worms	थडे उरुणर उरुण	<u>Agrotis ypsilon</u> R.	Noctuidae	Lepidoptera
(5)	Leaf-eating caterpillar	पानपानर उरुण	<u>Laphygma exigua</u> Hb. <u>Prodenia litura</u> F.	"" ""	"" ""

(1)	(2)	(3)	(4)	(5)	(6)
	(6) Mites	ଧାନ ଡମ୍ପାଣୀ	-	-	-
79. Cumin ( <u>Cuminum</u> <u>cuminum</u> )	(1) Cumin aphids	ଓରାଣୀ ମୂଳା	<u>Aphis gossypii</u> G. <u>Myzus persicae</u> S.	Aphididae "	Hemiptera "
80. Fennel ( <u>Foeniculum</u> <u>vulgare</u> )	(1) Fennel aphids	ବରିଷାଣୀ ମୂଳା	<u>Hyadaphis ? coriandri</u> D.	Aphididae	"
81. Ginger ( <u>Zingiber</u> <u>officinale</u> )	(1) Ginger rhizome maggot	ଧାନୀ ମୂଳା ମାଗ୍ଗଟ	<u>Minegralla coeruleifrons</u> M.	Micropezidae	Diptera
82. Mithi-Lindi ( <u>Murraya</u> <u>koehisii</u> )	(1) Mithi-lindi leaf webber	ଧାନୀ ମୂଳା ଧାନୀ ମୂଳା	<u>Psorosticha zizyphi</u> St.	Oecophoridae	Lepidoptera
83. Onion ( <u>Allium</u> <u>cepa</u> )	(1) Onion leafeating caterpillar	ଧାନୀ ମୂଳା ଧାନୀ ମୂଳା	<u>Spodoptera exigua</u> Hb. <u>S. litura</u> F.	Nectuidae "	Lepidoptera "
	(2) Onion thrips	ଧାନୀ ମୂଳା	<u>Thrips tabaci</u> L.	Thripidae	Thysanoptera
84. Turmeric ( <u>Curcuma</u> <u>longa</u> )	(1) Turmeric leafeating caterpillar	ଧାନୀ ମୂଳା ଧାନୀ ମୂଳା	<u>Predenia litura</u> F.	Nectuidae	Lepidoptera



(1)	(2)	(3)	(4)	(5)	(6)
<b>P. Weeds .</b>					
<b>85. Akade</b> <b>(<u>Calotropis</u> sp.)</b>					
	(1) Akada aphids	କାଡ଼ାକୀ ମାଳା	<u>Aphis nerii</u> F.	Aphididae	Hemiptera
	(2) Monarch butterfly	କାଡ଼ାକୀ ପତାଙ୍ଗ	<u>Danais plexippus</u> L.	Danaidae	Lepidoptera
<b>86. Arduse</b> <b>(<u>Allanthurus excelsa</u>)</b>					
	(1) Arduse leaf-eating caterpillar	କାଡ଼ୁକୀ ମାଳା ପତାଙ୍ଗ	<u>Atteva niveigutta</u> W.	Ymeriidae	Lepidoptera
	(2) Arduse leaf bug	କାଡ଼ୁକୀ ମାଳା କୀଟ	<u>Nezara viridula</u> L.	Pentatomidae	Hemiptera
<b>87. Are-Tare</b> <b>(<u>Digitaria sanguinalis</u>)</b>					
	(1) Blister beetle	କାଡ଼ୁକୀ ମାଳା	<u>Cyaneolytta acteon</u> C.	Meloidae	Colleoptera
<b>88. Bavchi</b> <b>(<u>Psoralea corylifolia</u>)</b>					
	(1) Bavchi leaf leaf-caterpillar	କାଡ଼ୁକୀ ମାଳା ପତାଙ୍ଗ	<u>Laphygma exigua</u> Hb.	Noctuidae	Lepidoptera
<b>89. Bhangade</b> <b>(<u>Eclipta alba</u>)</b>					
	(1) Bhangade leaf-eating caterpillar	କାଡ଼ୁକୀ ମାଳା ପତାଙ୍ଗ	<u>Heliothis amigerana</u> Hb. <u>H. peltigera</u> S. <u>Prodenia litura</u> S.	" " "	" " "

(1)	(2)	(3)	(4)	(5)	(6)
90. Bhei-Pathari ( <u>Launaea</u> <u>radicans</u> )	(1) Bhei-pathari aphids	ଭୈସ-ପାଥରୀ ମୂଳ	<u>Uroleucan</u> ( <u>Uremelan</u> ) sp.? <u>compositae</u> Th.	Aphididae	Hemiptera
91. Bedie Kalhar ( <u>Celsia</u> <u>coromandeliana</u> )	(1) Bedie Kalhar leaf caterpillar	ବୈସିକାଳହର ପାଳମ୍ପାଳର ଉଷ୍ଣ	<u>Acherontia</u> <u>styx</u> W. <u>Heliothis</u> <u>arzigera</u> Hb.	Sphingidae Noctuidae	Lepidoptera "
92. Chil ( <u>Chenopodium</u> <u>album</u> )	(1) Chil leafeating caterpillar	କିଲମ୍ପାଳମ୍ପାଳର ଉଷ୍ଣ	<u>Laphygma</u> <u>exigua</u> Hb.	Noctuidae	"
93. Chidhe ( <u>Cyperus</u> <u>rotundus</u> )	(1) Chidhe aphids	କିଡିଲି ମୂଳ	Aphididae	Hemiptera	
94. Dhare ( <u>Cynodon</u> <u>dactylon</u> )	(1) Dhare leaf caterpillar	ଧରୋଳ ପାଳମ୍ପାଳର ଉଷ୍ଣ	<u>Spodoptera</u> <u>cilius</u>	Noctuidae	Lepidoptera
95. Dudheli ( <u>Euphorbia</u> <u>hirta</u> )	(1) Dudheli aphids	ଦୁଧିଲି ମୂଳ	-	Aphididae	Hemiptera
	(2) Dudheli leafeating caterpillar	ଦୁଧିଲି ମୂଳ ପାଳମ୍ପାଳର ଉଷ୍ଣ	<u>Celeris</u> <u>livernica</u> Esp.	Sphingidae	Lepidoptera

(1)	(2)	(3)	(4)	(5)	(6)
96. Dodi ( <u>Leptadenia reticulata</u> )					
	(1) Dodi aphids	ଝିଜିନୀ ମିଆଁ	<u>Aphis nerii</u> F.	Aphididae	Hemiptera
	(2) Mites	ପାଳ ଝିଜିନୀ	<u>Tetranychus telarius</u> L.	Tetranychidae	Acarina
97. Hadia-Karsan ( <u>Gyandropsis pentaphylla</u> )					
	(1) Hadia karsan leaf webber	ଓଡ଼ିଆ ହାଡ଼ିଆ କାର୍ସନ ଲିଫ୍ଟ୍ ସମ୍ପର୍କିତ ପତ୍ର	<u>Crocidolomia binotalis</u> Z.	Pyralidae	Lepidoptera
			<u>Ptychoseutis plumbeolinealis</u> H.	"	"
	(2) Painted bug	ପାଣ୍ଡିଆ ଗୁଣ୍ଡିଆ	<u>Bagrada hilaris</u> B.	Pentatomidae	Hemiptera
	(3) Flea beetle	ସଞ୍ଜିଆ	-	-	-
98. Kanajaro ( <u>Digera arvensis</u> )					
	(1) Kanajaro leaf caterpillar	ଝୁମ୍ପରାଲୀ ପାଳ କୀଟମାନଙ୍କ ପତ୍ର	<u>Laphygma exigua</u> Hb.	Nectuidae	Lepidoptera
			<u>Prdenia litura</u> F.	"	"
	(2) Surface grass hopper	ସଞ୍ଜିଆ	<u>Chrotogenus</u> spp.	Acrididae	Orthoptera
99. Kanta-Sheria ( <u>Amaranthus spinosus</u> )					
	(1) Kanta-seria leaf caterpillar	ଝିଜିନୀ କିରିଆଲୀ ପତ୍ର	<u>Prdenia litura</u> F.	Nectuidae	Lepidoptera
	(2) Kanta-seria stem weevil	ଝିଜିନୀ କିରିଆଲୀ ଝିଜିନୀ	<u>Hypelixus truncatulus</u> F.	Curculionidae	Coleoptera

(1)	(2)	(3)	(4)	(5)	(6)
<b>100. Khakhare</b>					
<b>(Butea monospina)</b>					
(1)	Khakhare leafeating caterpillar	ਖਾਖਾੜੀ-ਖਾਖਾੜੀ ਖਾਖਾੜੀ ਝੜੀ	<u>Eustropacha pardale</u> Wkr. ssp. <u>nandina</u> M.	Lasiocampidae	Lepidoptera
<b>101. Kunwadia</b>					
<b>(Cassia tora)</b>					
(1)	Kunwadia bud worm	ਕੁੰਨਵਾੜੀ ਝੜੀ ਝੜੀ	<u>Thylacoptila paucisema</u> M.	Pyrallidae	"
(2)	Kunwadia leafeating caterpillar	ਕੁੰਨਵਾੜੀ ਖਾਖਾੜੀ-ਖਾਖਾੜੀ ਝੜੀ	<u>Eurema hecabe</u> L.	Pieridae	"
(3)	Blister beetle	ਭੱਲੀ	<u>Cyanocolytta acteon</u> C.	Meloidae	Coleoptera
<b>102. Luni.</b>					
<b>(Portulaca quadrifida)</b>					
(1)	Luni leafeating caterpillar	ਲੁਨੀ ਝੜੀ ਖਾਖਾੜੀ-ਖਾਖਾੜੀ ਝੜੀ	<u>Laphygma exigua</u> Hb. <u>Prodenia litura</u> F.	Nectuidae "	Lepidoptera "
<b>103. Piludi</b>					
<b>(Solanum Nigrum)</b>					
(1)	Piludi aphids	ਪਿਲੂੜੀ ਝੜੀ	<u>Aphis fabae solanella</u>	Aphididae	Hemiptera
<b>104. Satodi</b>					
<b>(Achyranthis aspera)</b>					
(1)	Satodi leaf caterpillar	ਸਾਟੋੜੀ ਝੜੀ ਖਾਖਾੜੀ-ਖਾਖਾੜੀ ਝੜੀ	<u>Laphygma exigua</u> Hb.	Nectuidae	Lepidoptera
(2)	Mites	ਖਾਖਾੜੀ ਝੜੀ	<u>Agistemus</u> sp.	Stigmaeidae	Acarina

(1)	(2)	(3)	(4)	(5)	(6)
<b>105. Starbur</b>					
<b>(Acanthospermum hispidum)</b>					
	(1) Starbur leaf caterpillar	ଅକାନ୍ଥସେରମମ୍ ପତ୍ର ଉପର ଉପକ	<u>Heliothis peltigera</u> S.	Nectuidae	Lepidoptera
	(2) Mites	ପତ୍ର ଉପର ଉପକ	<u>Agistemus</u> sp.	Stigmaeidae	Acarina
			<u>Amblyseius</u> sp.	Phytoseiidae	"
<b>106. Zepti</b>					
<b>(Triumfetta pileosa)</b>					
	(1) Zepti leaf caterpillar	ଅକାନ୍ଥସେରମମ୍ ପତ୍ର ଉପର ଉପକ	<u>Acherontia styx</u> W.	Sphingidae	Lepidoptera
			<u>Heliothis armigera</u> Hb.	Nectuidae	"
			<u>H. peltigera</u> S.	"	"
<b>107. Zinzru</b>					
<b>(Crotalaria medicagonia)</b>					
	(1) Zinzryu hairy caterpillar	ଅକାନ୍ଥସେରମମ୍ ପତ୍ର ଉପର ଉପକ	<u>Argina cribraria</u> Cl.	Arctiidae	Lepidoptera
	(2) Zinzru semi leoper	ଅକାନ୍ଥସେରମମ୍ ପତ୍ର ଉପର ଉପକ	<u>Adinea ignata</u> L.	Nectuidae	"
			<u>Amyna octe</u> Gn.	"	"
	(3) Blister beetle	ଅକାନ୍ଥସେରମମ୍ ପତ୍ର ଉପର ଉପକ	<u>Cyanocolutta acteon</u> C.	Meloidae	Coleoptera
	(4) Myllocerus weevil	ଅକାନ୍ଥସେରମମ୍ ପତ୍ର ଉପର ଉପକ	<u>Mylloceris discolor</u> B.	Curculionidae	"

(1) (2) (3) (4) (5) (6)

Q. Miscellaneous

108. Shevari  
 (Sesbania (1) Shevari leaf-eating caterpillar ଶେବରୀ ଲୀଳା ପିତା ଶେବରୀ ପିତା  
egyptica) Lophygma exigua Hb. Noctuidae Lepidoptera

R. Stored Grain

Pests

109. (Stored wheat,  
 Baira, Tobacco, Charoli,  
 Fennel, Fig, Rice etc.)

(1) Cattle feed beetle	<u>ଶେବରୀ ପିତା</u> <u>ଶେବରୀ</u>	<u>Tribelium castaneum</u> H.	Tenebrionidae	Coleoptera
(2) Angoumois grain moth	<u>ଆଙ୍ଗୁମୁଇ ମୂଢ଼</u>	<u>Sitotroga cerealella</u> G.	Gelechiidae	Lepidoptera
(3) Bidi tobacco beetle	<u>ବିଡି ଟାବ୍ୟାକୋ</u> <u>ପିତା</u>	<u>Lasioderma serricorne</u> L.	Anobiidae	Coleoptera
(4) Bidi tobacco seed beetle	<u>ବିଡି ଟାବ୍ୟାକୋ</u> <u>ବିଡି ଟାବ୍ୟାକୋ</u> <u>ବିଡି ଟାବ୍ୟାକୋ</u>	<u>Typhaca stercorea</u> L.	Mycerophagidae	"
(5) Bidi tobacco seed moth	<u>ବିଡି ଟାବ୍ୟାକୋ</u> <u>ବିଡି ଟାବ୍ୟାକୋ</u> <u>ବିଡି ଟାବ୍ୟାକୋ</u>	<u>Attagenus gloriesae</u> F.	Dermeystidae	"
(6) Black carpet beetle	<u>କଳା କାଗିରୀ</u> <u>ବିଡି ଟାବ୍ୟାକୋ</u>	<u>Tribelium castaneum</u> H.	Tenebrionidae	"
		<u>Cadra cautella</u> W. - <u>Ephestia cautella</u> W.	Pyralidae	Lepidoptera
		<u>Attagenus piceus</u> F.	Dermeystidae	Coleoptera

(1)	(2)	(3)	(4)	(5)	(6)
	(7) Cadelle or yellow meal worm.	उडेले अथवा यलो मील वर्म.	<u>Tenebrio mauritani- cus</u>	Trogostidae	Coleoptera
			<u>Tenebrio molitor</u> L.	Tenebrionidae	""
			<u>T. obscurus</u> F.	""	""
	(8) Charoli seed moth	चारेले मीटु कुई	<u>Ephestia cautella</u> W.	Pyralidae	Lepidoptera
	(9) Cigarette beetle	सीगरेट पीटल	<u>Lasioderma serricorne</u> L.	Anobiidae	Coleoptera
	(10) Confused flour beetle	रातुं न मनुसरस रियु	<u>Tribolium confusum</u> H.	Tenebrionidae	""
	(11) Cotton seed moth	कपासी मीटु कुई	<u>Cercyra cephalonica</u> B.	Pyralidae	Lepidoptera
	(12) Drug store beetle	ड्रग स्टोर पीटल	<u>Stegobium panicum</u> L.	Anobiidae	Coleoptera
	(13) Fennel seed beetle	फेनील बीटल पीटल	<u>Lasioderma serricorne</u> F.	""	""
	(14) Fig moth	फिगर मीटु कुई	<u>Ephestia cautella</u> W.	Pyralidae	Lepidoptera
	(15) Flat grain beetle	फ्लैट ग्रेन बीटल	<u>Laemophloeus minutus</u> Ol.	Cucujidae	Coleoptera
	(16) Grain mite	ग्रान मीटु कुई	<u>Acarus siro</u> L.	-	Acarina
	(17) Granary weevil	ग्रेनरी वीविल	<u>Sitophilus granarius</u> L.	Curculionidae	Coleoptera

(1)	(2)	(3)	(4)	(5)	(6)
(18)	Indian meal moth.	କାଟମୁ ହୁଁ	<u>Pleodia interpunctella</u> H.	Pyrallidae	Lepidoptera
(19)	Khapra beetle	ଧଉଳି ବାଟିକୀ ବ୍ୟବଳ ଧଉଳି ବାଟିକୀ	<u>Trogodema granaria</u> E.	Dermostidae	Coleoptera
(20)	Lesser grain borer	ଧଉଳି ବାଟିକୀ ଗୁଣ୍ଡା	<u>Rhizopertha dominica</u> F.	Bestrychidae	"
(21)	Long headed flour beetle	କାଟମୁ ମାଧୁକୀ କାଟମୁ ମାଧୁକୀ	<u>Latheticus oryzae</u> W.	Tenebriionidae	"
(22)	Pulse beetle	ଧଉଳି ବାଟିକୀ	<u>Bruchus chinensis</u> L.	Bruchidae	"
			<u>Pachymus chinensis</u> L.	"	"
(23)	Radish seed moth	ଧଉଳି ବାଟିକୀ ହୁଁ	<u>Cercyra cephalonica</u> S.	Pyrallidae	Lepidoptera
(24)	Red rust flour beetle	କାଟମୁ ମାଧୁକୀ କାଟମୁ ମାଧୁକୀ	<u>Tribolium castaneum</u> H.	Tenebriionidae	Coleoptera
(25)	Rice moth	କାଟମୁ ହୁଁ	<u>Cercyra cephalonica</u> H.	Pyrallidae	Lepidoptera
			<u>Ephestia cautella</u> W.	"	"
(26)	Rice weevil	ଧଉଳି ବାଟିକୀ	<u>Sitophilus oryzae</u> L.	Cucujidae	Coleoptera
(27)	Saw toothed grain beetle	କାଟମୁ ମାଧୁକୀ	<u>Oryzaophilus surinamensis</u> L.	Cucujidae	"
(28)	Wheat/seed moth Split gram	ଧଉଳି ବାଟିକୀ ମାଧୁକୀ ହୁଁ	<u>Ephestia cautella</u> W.	Pyrallidae	Lepidoptera
(29)	Wheat seed moth	ଧଉଳି ବାଟିକୀ ମାଧୁକୀ	<u>Ephestia cautella</u> W.	"	"
(30)	Rats	ହୁଁ ଓଁ	-	-	-



PART - II

Pests arranged according to the natural orders and families with their feed plants.

Order/Family (1)	Scientific name of the pests. (2)	Host plants with cross reference of crop number (pest number) in the main list. (3)
<u>ACARINA</u>		
Eriophidae	<u>Eriophyes gossypii</u> B.	Cotton 36 (21) *
Phytoseiidae	<u>Amblyseius</u> sp.	Rose 70 (6), Starbur 105(2).
Stigmaeidae	<u>Agistemus</u> sp.	Cotton 36(14), Satedi 104(2), Starbur 105(2).
Tenuipalpidae	<u>Brevipalpus obovatus</u> D.	Grapevine 46(6)
	<u>B. phoenicis</u> G.	Cotton 36 (14)
Tetranychidae	<u>Tetranychus</u> sp.	Citrus 49(9).
	<u>Butetranychus orientalis</u> K.	Ber 42(7), Caster 32(6), Citrus 49(9), Cotton 36(14) Neem 74(3).
	<u>Oligonychus</u> sp.	Grapevine 46(6), Mango 50(14), Rose 70(6).
	<u>O. indicus</u> H.	Jewar 2(11)
	<u>Paratetranychus citri</u>	Citrus 49(9)
	<u>Schizotetranychus andripereni</u> H.	Jewar 2(11)
	<u>Tetranychus telarius</u> L.	Bhendi 23(9), Brinjal 24(13), Caster 32(6), Cotton 36(14), Dedi 96(2), Mango 50(14), Potato 27(6), Soyabean 18(4), Uaid 20(3).

(1)	(2)	(3)
Tydeidae	<u>Pronematus</u> sp.	Bar 42(7).
	<u>Tydeus</u> sp.	Citrus 49(9)
	<u>Acarus</u> <u>sira</u> L.	Stored grain pests 109(16)
<u>COLEOPTERA</u>		
Anobiidae	<u>Lasioderma</u> <u>serricorne</u> L.	Stored grain pests 109(3), (9), (13).
	<u>Stigobium</u> <u>paniceum</u> L.	Stored grain pests 109(12)
Aphodiidae	<u>Rhyssalus</u> <u>orientalis</u> Muls.	Tobacco 39(2)
Bestrychidae	<u>Rhizophtha</u> <u>dominica</u> F.	Stored grain pests 109(20)
Bruchidae	<u>Bruchus</u> <u>chinensis</u> L.	Stored grain pests 109(22)
	<u>Eachymus</u> <u>chinensis</u> L.	Stored grain pests 109(22).
Buprestidae	<u>Sphenocera</u> sp.	Lucerne 22(2)
	<u>S. gessvpii</u> Kr.	Cotton 36(7)
	<u>Trachys</u> sp.	Bhendl 23(3)
Cassididae	<u>Sindia</u> <u>clathrata</u> F.	Cocunut 53(2)
Cerambycidae	<u>Batocera</u> <u>rubus</u> L.	Fig 45(4), Mango 50(8)
	<u>B. rufomaculata</u> De Geere	Fig 45(4), Mango 50(8)
Cetoniidae	<u>Anthracoephera</u> <u>crucifera</u> Ol.	Brinjal 24(2), Maize 3(3), Sesamum 35(1).
	<u>Oxyctonia</u> <u>versicolor</u> F. var A arrew.	Brinjal 24(2), Maize 3(3), Sesamum 35 (1).

(1)	(2)	(3)
Chrysomelidae	<u>Chaetocnema puscaensis</u> M.	Jewar 2(5)
	<u>Hissa armigera</u> Ol.	Paddy 4(11)
	<u>Leptissa pygmaea</u> B.	Paddy 4(1)
	<u>Longitarsus</u> sp.	Sannhemp 37(2)
	<u>L. belgaunensis</u> F.	Jewar 2(5).
	<u>Phyllotrata cruciferae</u> G.	Cruciferous 30(6)
	<u>Scalodonta strigicollis</u> M.	Grapevine 46(1).
Cleridae	<u>Callimerus</u> sp. ? <u>trilineaticollis</u> Pic.	Amla 40(3).
Coccinellidae	<u>Epilachna</u> 12 - <u>punctata</u> M.	Cucurbits 31(6).
	<u>E.28</u> - <u>punctata</u> F.	Brinjal 24(4), Cucurbits 31(6), Potato 27(4).
	<u>E. sp. nr. sparsa</u> Hb.	Cucurbits 31(6).
	<u>E.12</u> - <u>stigma</u> M.	Brinjal 24(4), Potato 27(4).
Corpridae	<u>Catharsius incrimis</u> L.	Grapevine 46(3).
	<u>Onthophagus</u> sp.	Tobacco 39(1).
	<u>O. gazella</u> F.	Grapevine 46(3).
Cucujidae	<u>Lacnopholeus minutus</u> Ol.	Stored grain pests 109(15).
	<u>Oryzaephilus surinamensis</u> L.	Stored grain pests 109(27)

(1)	(2)	(3)
Curculionidae	<u>Alcidedes nr. affaber</u> Aur.	Bhendi 23(6), Cotton 36(8).
	<u>Cylas ferricarius</u> Fb.	Sweet potato 23(2)
	<u>Hydrenemidius molitor</u> Fst.	Paddy 4(7).
	<u>Hypelixis truncatatus</u> F.	Kanta-seria 99(2), Rajagira 8(3), Tandulja 29(3).
	<u>Myllocerus blandus</u> Fst.	Brinjal 24(14), Cotton 36(15), Guava 47(6), Jewar 2(12), Maize 3(8), Math 16(4), Paddy 4(13), Sugarcane 9(10), Wheat 5(5),
Curculionidae	<u>M. discolor</u> Beh.	Bajri 1(7), Banti 7(1), Bawte 6(3), Bez 42(6), Citrus 49(10), Cotton 36(15), Damre 73(5), Green gram 13(5), Groundnut 33(5), Jewar 2(12), Lucerne 22(8), Maize 3(8), Mango 50(11), Neem 74(2), Paddy 4(13), Samhemp 37(8), Sesamum 35(7), Shade trees 54(4), Soyabean 18(7), Sugarcane 9(10), Tur 19(11), Udid 20(2), Wal 21(8), Wheat 5(5), Zinzra 107(4).
	<u>Myllocerus lactivirens</u> Mahl.	Cotton 36(15), Soyabean 18(7).
	<u>Pempheres nr. affinis</u> F.	Cotton 36(8).
	<u>Rhynchephorus ferrugineus</u> F.	Coconut 53(3).
	<u>Sitophilus granarius</u> L.	Stored grain pests 109(17).
	<u>S. oryzae</u> L.	Stored grain pests 109(26).
Dermeestidae	<u>Attagenus gloriolae</u> G F.	Stored grain pests 109(4).

(1)	(2)	(3)
	<u>A. nicens</u> F.	Stored grain pests 109(19) (6)
	<u>Trogoderma granaria</u> E.	Stored grain pests 109(19)
Galerucidae	<u>Aulacophora</u> sp.	Cucurbits 31(8).
	<u>A. foveicollis</u> Luc.	Lucerne 22(2).
Geotrupidae	<u>Bolboceras</u> sp. <u>galanus</u> W.	Grapevine 46(3).
	<u>B. sp. quadridens</u> F.	Grapevine 46(3).
Lamiidae	<u>Olonocampus bilobus</u> F.	Mulberry 51(1).
	<u>Sthenias grisater</u> F.	Grapevine 46(2).
Meleidae	<u>Cyancalytta acteon</u> Cast.	Are-tare 87(1), Bajri 1(1), Kunwadia 101(3), Zinzru 107(3).
	<u>Cylindrotherax audevini</u> Haag.	Bajri 1(1), Maize 3(4).
	<u>C. ruficollis</u> F.	Bajri 1(1), Barte 6(2), Jewar 2(3).
	<u>Mylabris phalarata</u> Pall.	Bhendi 23(7), Chela 11(6), Cucurbits 31(5), Groundnut 33(3), Jasundi 65(1), Math 16(2), Rose 70(5), Tur 19(9), Wal 21(6).
	<u>Psalydelytta reuxi</u> Cast.	Bajri 1(1), Jewar 2(3).
	<u>Zenabris pustulata</u> Th.	Cucurbits 31(5).

(1)	(2)	(3)
Melolonthidae	<u>Apogonia</u> sp.	Grapevine 46(2) .
	<u>Heletrichia consanguinea</u> Blanch.	Bajri 1(9), Bhandi 23(11), Cruciferous 30(13), Groundnut 33(8), Maize 3(10), Sugarcane 9(12), Tur 19(12).
	<u>Maladera</u> sp.	Grapevine 46(3).
	<u>Schizonychia ruficellis</u> F.	Citrus 49(1),
Mycetophagidae	<u>Typhaea stercora</u> L.	Stored grain pests 109(3).
Rutelidae	<u>Anisala dorsalis</u> F.	Grapevine 46(3).
	<u>Pachyrhinoderetus rugipennis</u> Phs.	Grapevine 46(3).
Scarabaeidae	<u>Cryctes rhinoceros</u> L.	Cocnut 53(4).
Staphylinidae	<u>Bledius gracilicornis</u> Kr.	Tobacco 39(5).
	<u>Oxybelus latiusculus</u> Kr.	Tobacco 39(5).
Tenebrionidae	<u>Genecepalus dorsigranatum</u> Fa.	Tobacco 39(13).
	<u>Matheticus oryzae</u> W.	Stored grain pests 109(21).
	<u>Opatreides punctulatus</u> Brull	Tobacco 39(13).
	<u>Tenebrio molitor</u> L.	Stored grain pests 109(7).
	<u>T. obscurus</u> F.	Stored grain pests 109(7).
	<u>Tribelium castaneum</u> H.	Stored grain pests 109(1), (4), (24).
	<u>T. confusum</u>	Stored grain pests 109(10).

(1)	(2)	(3)
Trogostidae	<u>Tenebroides mauritanicus</u>	Stored grain pests 109(7).
<u>DIPTERA</u>		
Agromyzidae	<u>Melanagromyza</u> sp.	Soybean 18(3).
Anthemomyidae	<u>Athripsena indica</u> M.	Jowar 2(9).
Cecidomyiidae	<u>Allanomyia tenuispatha</u> K.	Mango 50(1).
	<u>Asphondylia</u> sp.	Guar 14(3).
	<u>A. sesami</u> F.	Sesamum 35(2).
	<u>Pachydiplosis gryzae</u> M.	Paddy 4(2).
Drosophilidae	<u>Gitanides perspicax</u> K.	Sesamum 35(2).
Lauzanidae	<u>Hemoneura</u> sp.	Jowar 2(9).
Micropezidae	<u>Minegfalla coeruleifrons</u> M.	Ginger 91(1).
Muscidae	<u>Musca domestica</u> L.	Tobacco 39(3).
Tephritidae	<u>Dacus</u> sp.	Ber 42(2), Chiku 43(2), Fig 45(2).
	<u>D. sp. (Strumeta) cucurbitae</u> G&G.	Cucurbits 31(7), Guava 47(2), Mango 50(4).
	<u>D. diversus</u> G&G.	Cucurbits 31(7).
<u>HEMPTERA</u>		
Aleurodidae	<u>Aleurolobus baredensis</u> Mask.	Sugarcane 9(8).

(1)	(2)	(3)
	<u>Benisia tabaci</u> Gn.	Bhendi 23(10), Cotton 36(10), Tobacco 39(17),
	<u>Dialeurodes citri</u> R. and H.	Citrus 49(14).
	<u>Nemaskellia bergii</u> S.	Sugarcane 9(8).
	<u>Trialeurodes ricini</u> M.	Caster 32(5).
Aphididae	<u>Acyrtosiphon pisum</u> Harris.	Peas 17(1)
	<u>Aphis craccivora</u> Koch.	Groundnut 33(1), Guar 14(1), Wal 21(1).
	<u>A. fabae solanella</u>	Piludi 103(1).
	<u>A. gossypii</u> Glev.	Bhendi 23(1), Brinjal 24(1), Chillies 78(1), Cotton 36(1), Cucurbits 31(4), Cumin 79(1), Tur 19(1).
	<u>A. maidis</u> F.	Wheat 5(1).
	<u>A. malvae</u> Pa. Se.	Cucurbits 31(4).
	<u>A. medicaginis</u> Kle.	Tur 19(1).
	<u>A. nasturtii</u>	Chillies 78(1), Cucurbits 31(4).
	<u>A. nerii</u> F.	Akade 85(1), Dedi 96(1).
	<u>Cercinaphis emblica</u> sp. nov.	Amla 40(1).
	<u>Dactynotus (Uremelan) compositae</u> Th.	Aster 55(1), Helichrysum 64† 63(1).
	<u>Hyadaphis ? coriandri</u> D.	Fennel 80(1).



(1)

(2)

(3)

Lipaphis crysimi K.  
Lenigunghis sacchari K.  
Macrosiphum Disi Kalt.  
Nyzus persicae Sulzer  
  
Pantalonis nigrenervosa Coq.  
Rhopalosiphum maidis F.  
Schizaphis graminum Rond.  
Therioaphis trifolii f.  
maculata Buck.  
Toxoptera aurantii B.  
Uroleucon (Uromelan) sp. ?  
compositae Theen.  
  
Gamsacoris pulchellus Dall.  
Calocoris angustatus L.  
Ragnus impertunitas D.  
  
Cicadulina sp.  
Doltecephalus sp.

Berytidae

Capsidae

Cicadellidae

Allysum 56(1), Cruciferous 30(8), Stock 71(1).  
Sugarcane 9(1).  
Poss 12 17(1).  
Brinjal 24(1), Cruciferous 30(8), Cumin 79(1),  
Potato 27(1), Sugarbeet 10(1), Tobacco 39(8),  
Wheat 5(1).  
Banana 41(1).  
Jewar 2(1), Maize 3(1), Wheat 5(1).  
Wheat 5(1).  
  
Lucerne 22(1).  
Citrus 49(2).  
Bhel-patheri 90(1), Dahlias 61(1),  
Gallardia 62(1), Safflower 34(1).  
Cucurbits 31(1), Tur 19(2).  
Jewar 2(4).  
Sannamp 37(1).  
Wheat 5(3).  
Wheat 5(3).

(1)	(2)	(3)
	<u>Euprasca</u> sp.	Wheat 5(3).
	<u>E. devastans</u> D.	Brinjal 24(7), Cotton 36(4), Potato 27(5).
	<u>Exitianus apicula</u> Stal.	Wheat 5(3).
	<u>Psammotettix</u> sp.	Wheat 5 (3).
	<u>Typhlocyba maculifrons</u> M.	Wheat 5(3).
Coccidae	<u>Centroceccus inselitus</u> Gn.	Tur 19(8)
	<u>Dresichea mangiferae</u> Gr.	Mango 50(10)
	<u>D. stebbingi</u> Gr.	Mango 50(10)
	<u>Pulvinaria psidii</u> M.	Guava 47(3)
	<u>Trionychus sacchari</u> Ckll	Sugarcane 9(5)
Cercidae	<u>Clavigralla gibbosa</u> S.	Tur 19(5)
	<u>Cletus</u> sp.	Rajagira 8(1)
	<u>C. sp. nr. signatus</u> W.	T Mandulja 29(1)
	<u>Leptacoris coimbatorensis</u> F.	Spapnut 76(1).
	<u>Leptocoris acuta</u> T.	Paddy 4(10).
	<u>Rintertus</u> sp.	Green gram 13(1)
	<u>R. pedestris</u> F.	Tur 19(5).

(1)	(2)	(3)
Delphacidae	<u>Segatella furcifera</u> Horvath (= <u>Segata distincta</u> Dist.) <u>S. longifurcifera</u> Es. & Ish <u>Toya preniqua</u> Fieb.	Paddy 4(4).  Wheat 5(3). Wheat 5(3).
Dictyopharidae	<u>Dictyophara diseni</u> Dist.	Sugarcane 9(3).
Jassidae	<u>Empoasca flavescens</u> Fb. <u>Idiocerus atkinsoni</u> L. <u>I. clypealis</u> L. <u>I. niveosparus</u> L.	Caster 32(2). Chika 43(4), Mango 50(5). Chika 43(4), Mango 50(5). Chika 43(4), Mango 50(5).
Lephepidae	<u>Pyrrilla perpusilla</u> Walk. <u>coimbatorensis</u> Fenn.	Sugarcane 9(4).
Lygaeidae	<u>Aphanus sordidus</u> Fb. <u>Blasmodenus sordidus</u> F. <u>Lygaeus civilis</u> Wolff. <u>Oxycaenus laetus</u> K.	Groundnut 33(2), Sesamum 35(4). Groundnut 33(2). Sesamum 35(4). Cotton 36(11).
Miridae	<u>Crautiades pallidifer</u> Walk. <u>Nesidiocoris tenuis</u> Reut.	Kewar 2(4), Lucerne 22(3). Cucurbits 31(1), Tobacco 39(9).

(1)	(2)	(3)
<u>Pentatomidae</u>	<u>Begrada cruciferarum</u> K.	Cruciferous 30(11)
	<u>B. hilaris</u> B.	Cruciferous 30(11), Hadia- Marsan 97(2).
	<u>B. picta</u> F.	Cruciferous 30(11).
	<u>Halys dentatus</u> Fa.	Amla 40(2).
	<u>Nezara viridula</u> Linn.	Ardase 86(2), Green gram 13(1).
	<u>Piezodorus rubrefasciatus</u> Fabr.	Green gram 13(1).
<u>Pyrrhocoridae</u>	<u>Dysdercus cingulatus</u> Fb.	Cotton 36(17)
<u>Tingidae</u>	<u>Urentias echinus</u> Dist.	Brinjal 24(8).
<u>Hymenoptera</u>		
<u>Eulephidae</u>	Gen = et sp. indet.	Guar 14(3)
<u>Eupelmidae</u>	<u>Neonastatus</u> sp.	Guar 14(3)
<u>Fermicidae</u>	<u>Oocephylla smaragdina</u> F.	Citrus 49(11), Mango 50(12).
<u>Pteromalidae</u>	<u>Platyterma</u> sp.	Guar 14(3).
<u>Tenthredinidae</u>	<u>Athalia lugens proxima</u> K.	Allysum 56(2), Cruciferous 30(5).
<u>ISOPTERA</u>		
<u>Termitidae</u>	<u>Odentotermes</u> spp.	Mango 50(13)
	<u>O. obsus</u> Ram.	Citrus 49(13), Cotton 36(20), Sugarcane 9(11), Wheat 5(6).

(1)	(2)	(3)
	<u>Trinervitermes rubidus</u> Hag.	Chillies 78(3), Cocanut 53(5), Cotton 36(20), Rose 70(8), Sugarcane 9(11), Wheat 5(6).
<u>LSPIDOPTERA</u>		
Arctiidae	<u>Amsacta albistriga</u> W.	Bajri 1(6), Jowar 2(10), Maize 3(7).
	<u>A. lactinea</u> C.	Bajri 1(6) , Jowar 2(10), Maize 3(7).
	<u>A. meerei</u> B.	Bajri 1(6), Caster 32(7), Chela 11(7), Cotton 36(12), Green gram 13(4), Groundnut 33(4), Jowar 2(10), Maize 3(7), Math 16(3), Sannhemp 37(7), Sesamum 35(6), Tobacco 39(18), Udid 20(1).
	<u>Argina cribraria</u> Cl.	Sannhemp 37(3), Zinzru 107(1).
	<u>A. svinga</u> Cr.	Sannhemp 37(3).
	<u>Utetheisa pulchella</u> L.	Sannhemp 37(3).
Cryptophasidae	<u>Nephantia serinopa</u> M.	Cocanut 53(1).
Danaidae	<u>Danae plexippus</u> L.	Akade 85(2).
Ruesmidae	<u>Laspeyresia</u> sp.	Sannhemp 37(5).
Gelechiidae	<u>Anarsia</u> sp.	Chiku 43(1).
	<u>Dichomeris lanthes</u> May.	Guar 14(2)
	<u>Gnorerioschema balapsigena</u> M.	Brinjal 24(3)
	<u>G. heliopa</u> Lew	Tobacco 39(16)

(1)	(2)	(3)
	<u>G. operculella</u> Z.	Potato 27(2), Tobacco 39(16).
	<u>Phthorimaea operculella</u> Z.	Potato 27(2).
	<u>Platyedra gossypiella</u> S.	Cotton 36(16).
	<u>Sitotroga cerealella</u> O.	Stored grain 109(2).
Geometridae	<u>Thalassodes guazarea</u> Gn.	Mango 50(6).
Gly-pterigidae	<u>Phycodes radiata</u> Ochs.	Fig.45(1).
Gracillariidae	<u>Acrocercops caerulea</u> M.	Wal 21(3).
	<u>Caloptilia acidula</u> M.	Amla 40(5).
Heliothinae	<u>Eretmocera impactella</u> W.	Tandulja 29(2).
Hesperiidae	<u>Parnara mathias</u> Fb.	Paddy 4(12).
Lasiocampidae	<u>Gastropacha bardala</u> Wkr. ssp. <u>nandina</u> M.	Kharkhare 100(1).
	<u>Metanastria hyrtaca</u> Cr.	Jambu48 (1).
Lycaenidae	<u>Catachrysops strabe</u> F.	Tar 19(4).
	<u>Virachola isocrates</u> F.	Guava 47(1), Pomegranata 52(2).
	<u>Zizeeria knysna</u> Trim.	Tandulja 29(2).
Lymenitridae	<u>Euprectis</u> sp.	Tar 19(3).
	<u>E. limbata</u> B.	Caster 32(7).

(1)	(2)	(3)
	<u>E. subnotata</u> Mkr.	Brinjal 24(6), Castor 32(7), Lucerne 22(4), Soybean 18(1).
	<u>E. virguncula</u> Wkr.	Jewar 2(6), Lucerne 22(4).
Lyoniidae	<u>Phyllocnistis citrella</u> S.	Citrus 49(6).
Metarbelidae	<u>Indarbela</u> sp.	Amla 40(6), Ber 42(5), Citrus 49(12), Guava 47(5), Jambu 48(3), Mango 50(9), Pemegranata 52(3), Rose 70(4), Shade trees 54(3).
Nectuidae	<u>Achaea lanata</u> L.	Castor 32(4), Madhumalti 67(1), Rose 70(7), Zinzru 107(2).
	<u>Adisura atkinseni</u> M.	Tur 19(4).
	<u>Agrotis wpsilon</u> R.	Brinjal 24(12), Chillies 78(4), Cruciferous 30(9), Gram 12(1), Potato 27(3), Tobacco 39(11).
	<u>Amyna ecte</u> Gn.	Zinzru 107(2).
	<u>Anomis flava</u> F.	Bhendi 23(4), Cotton 36(3).
Nectuidae	<u>Anticarsia irrorata</u> F.	Chela 11(3), Wal 21(2).
	<u>Bombutelia leceatrix</u> G.	Mango 50(7).
	<u>Carea angulata</u> F.	Jambu 48(1).
	<u>Characoma nileotica</u> Rag.	Falsa 44(1).
	<u>Cirphis unipuncta</u> H.	Jewar 2(2), Maize 3(2), Paddy 4(8).
	<u>Earias fida</u> Cr.	Bhendi 23(5), Cotton 36(18).

(1)	(2)	(3)
	<u>E. insulana</u> B.	Bhendi 23(5), Cotton 36(18).
	<u>Eublemma olivacea</u> Wkr.	Brinjal 24(10).
	<u>Euxoa segetum</u> Schiff.	Chola 11(2).
	<u>Heliothis armigera</u> Hb.	Bajri 1(2), Bhangade 489 (1), Bodie kalhar 91(1), Chola 11(5), Gram 12(2), Kulthi 15(1), Lucerne 22(5), Peas 17(3), Tobacco 39(10), Tur 19(4), Wal 21(5), Wheat 5(2), Zepti 106(1).
	<u>H. assulta</u> Gn.	Tobacco 39(10)
	<u>H. obsoleta</u> F.	Gram 12(2), Peas 17(3).
	<u>H. saltigera</u> S.	Bhangade 89(1), Starbur 105(1), Zepti 106(1).
	<u>Hyblea puera</u> C.	Ahade trees 54(2).
	<u>Laphygma exigua</u> Hb.	Bajri 1(4), Bavchi 88(1), Brinjal 24((9), Caster 32(3), Chil 92(1), Chillies 78(5), Cotton 36(13), Cruciferous vegetables 30(3), Fenu greek 25(1), Jewar 2(6), Kanajare 98(1), Lucerne 22(5), Luni 102(1), Peas 17(2), Rajagira 8(2), Sannhemp 37(4), Satedi 104(1), Sesamum 35(5), Shevari 108(1), Sugarbeet 10(2), Tobacco 39(14), Zinnia 72(1).
	<u>Leucania loreyi</u> Dup.	Bajri 1(4).
	<u>Lyncestia amphix</u> Cr.	Damre 73(3), Tulsi 77(3).
	<u>Mecis frugalis</u> F.	Bavte 6(1).



(1)

(2)

(3)

Nectuidae

Ophideres fallenicæ L.

Citrus 49(5).

O. materna L.

Citrus 49(5).

Parallelia stuposa F.

Castor 32(4).

Perifeea capensis G.

Safflower 34(2).

Plusia sp.

Chicory 39(1), Lucerne 22(5), Peas 17(2), Zinnia 72(1)

P. ni Hb.

Cruciferous 30(3), Tobacco 39(15).

P. pavenis F.

Cucurbits 31(3).

Polytela gloriosae F.

Lilly 66(1).

Prodenia litura F.

Banana 41(2), Bhangade 89(1), Castor 32(3),  
Chillies 78(5), Cotton 36(13), Cruciferous 30(3),  
Kanjare 98(1), Kanta-seria 99(1), Luni 26(1)  
and 102(1), Sesamum 35(5), Sweet potato 28(1),  
Tobacco 39(14), Turnerie 84(1), Wal 21(2),  
Zinnia 72(1).

Prexenus hugeli F.

Chela 11(3), Wal 21(2).

Pseudaletia separata W.

Jowar 2(6).

Scirpophaga nivella F.

Sugarcane 9(7).

Selepa celtis M.

Amla 40(4).

S. discigera W.

Amla 40(4).

S. decilis B.

Brinjal 24(6).

~~S. rabdota H.~~

Brinjal 24(9).

S. rabdota H.

(1)	(2)	(3)
	<u>Sesamia</u> ? n. sp.	Sugarcane 9(6).
	<u>S. inferens</u> Wlk.	Jewar 2(8), Maize 3(5), Paddy 4(8), Wheat 5(6 4).
	<u>Spodoptera ciliata</u>	Dhara 94(1).
	<u>S. exigua</u> Hb.	Onion 83(1).
	<u>S. litura</u> F.	Onion 83(1).
	<u>S. mauritia</u> B.	Paddy 4(14).
	<u>Tarache nitidula</u> F.	Cotton 36(6).
	<u>Thiacides pestica</u> W.	Bar 42(3).
	<u>Xanthodes intersepta</u> Gn.	Cotton 36(6).
Nymphalidae	<u>Ariadna merione</u> Cr.	Caster 32(3).
Oecophoridae	<u>Psorasticha zyzvahi</u> St.	Citrus 49(7), Mithi hindi 82(1).
Olethreutidae	<u>Argyropleca arabella</u> M.	Mango 50(2).
Papilionidae	<u>Papilio demoleus</u> L.	Citrus 49(3).
Pieridae	<u>Catepsilia pepona</u> L.	Shade trees 54(1).
	<u>Eurema bacaba</u> L.	Kunwadia 101(2).
	<u>Pieris brassicae</u> L.	Cruciferous 30(2).
Plutellidae	<u>Plutella maculipennis</u> C.	Allysum 56(3), Candytuft 59(1), Cruciferous 30(10).

(1)	(2)	(3)
Psychidae	<u>Clania</u> sp.	Ornamental Pomegranate 69(1).
Pteropheridae	<u>Exelastes atropesa</u> W.	Tur 19(6).
	<u>Marasmarcha llephanos</u> M.	Tur 19(6).
	<u>Sphenarches anisedactylus</u> W.	Cucurbits 31(2).
Pyralidae	<u>Antigastra catalaunalis</u> D.	Sesamum 35(3).
	<u>Cadra cautella</u> W.	Stored grain pests 109(5).
	= <u>Ephestia cautella</u> W.	
	<u>Chile partellus</u> S.	Maize 3(5).
	<u>C. zenellus</u> S.	Bavte 6(4), Jewar 2(8), Maize 3(5).
	<u>Chilotraca infuscatellus</u> Sn.	Sugarcane 9(6).
	<u>Cnaphalocrecis medinalus</u> Gn.	Paddy 4(6).
	<u>Cercyra cephonica</u> H.	Stored grain pests 109(11), (23), (25).
	<u>Crecidolomia binotalis</u> Z.	Cruciferous 30(4), Hadia-karsan 97(1).
	<u>Diatraea polychrysa</u> Meyr.	Maize 3(5).
	<u>Dichocrecis punctiferalis</u> G.	Caster 32(1), Citrus 49(4), Mango 50(3), Pomegranate 52(2).
	<u>Ephestia cautella</u> W.	Stored grain pests 109(8), (14), (25), (28), (29).

(1)	(2)	(3)
	<u>Euzophera verticella</u> R.	Brinjal 24(11).
	<u>Heliola undalis</u> Fb.	Cruciferous 30(1).
	<u>Heroulia</u> sp.	Mango 50(7).
	<u>Hymenia recurvalis</u> L.	Cock's comb 60(1).
	<u>Lempresena indicata</u> F.	Chela 11(4), Lucerne 22(6), Soybean 18(2), Wal 21(4).
	<u>Leucinedes orbivalis</u> G.	Brinjal 24(5).
	<u>Marasnia trapezalis</u> Wkr.	Bajri 1(5), Jewar 2(7).
	<u>Margareta indica</u> S.	Cucurbits 31(2), Sweet potato 28(1).
	<u>Maruca testulalis</u> G.	Green gram 13(2).
	<u>Nephepterix</u> sp.nr. <u>divisella</u> Dup.	Cactus 58(1).
	<u>Nyctelia depunctalis</u> G.	Paddy 4(9).
	<u>Pachyzancla phaepteralis</u> Gn.	Paddy 4(5).
Pyralidae	<u>Phycita clientella</u> Z.	Brinjal 24(11).
	<u>P. sp. nr. infusella</u> M.	Cotton 36(2).
	<u>Ploeria interpunctella</u> H.	Stored grain pests 109(18).
	<u>Ptychopseutis plumbeolinealis</u> H.	Hadia-karsan 97(1).

(1)	(2)	(3)
	<u>Scheenobius incertellus</u> Wlk.	Paddy 4(8).
	<u>Stericta</u> sp.	Mango 50(7).
	<u>Sylepta decorata</u> F.	Bhendi 23(8), Cotton 36(5).
	<u>Syllepta ardetalis</u> Gn.	Balsam 57(1).
	<u>Synclera univocalis</u> W.	Beef 42(4).
	<u>Thylacoptila paucissima</u> M.	Kunwedia 101(1).
Sphingidae	<u>Ancerentia styx</u> W.	Bodia kalhar 91(1), Sesamum 35(5), Zepti 106(1).
	<u>Celeris livernica</u> Esp.	Dudheli 95(2).
	<u>Daphnis nerii</u> L.	Olcander 68(1), Serragandha 75(1).
	<u>Herse convolvuli</u> L.	Sweet potato 28(1).
	<u>Theretra electra</u> Hb.	Grapevine 46(4).
	<u>T. clothe</u> Dr.	Grapevine 46(4).
Tortricidae	<u>Laspeyresia aurantiana</u> P.	Neem 74(1).
	<u>L. ptychera</u> Meyr.	Green gram 13(2).
	<u>Olethreutes callifera</u> M.	Jamba 48(2).
	<u>Platyedra areolaris</u> M.	Rose 70(1).

(1)	(2)	(3)
Ypermentidae	<u>Atteva niveigutta</u> W.	Arduse 86(1).
<u>ORTHOPTERA</u>		
Acrididae	<u>Acrotylus humbertianus</u> Sausa.	Tobacco 39(12).
	<u>Atractodes crenulata</u> F.	Cruciferous 30(7), Tobacco 39(12).
	<u>Catantops pinguis immetabilis</u> W.	Tobacco 39(12).
	<u>Chrotogenus</u> spp.	Bajri 1(8), Bayte 6(5), Cotton 32 36(19), Groundnut 33(6), Jowar 2(13), Kamajuro 98(2), Maize 3(9), Tobacco 39(7).
	<u>Epacrenia deersalis</u> Thub.	Maize 3(6).
	<u>Hieroglyphus banian</u> Fb.	Paddy 4(3).
	<u>H. banian</u> var. <u>elongata</u>	Sugarcane 9(2).
Gryllidae	<u>Oecanthus</u> sp.	Tobacco 39(12).
	<u>Tridactylus fibarius</u> Ss.	Tobacco 39(6).
Grylletalpidae	<u>Grylletalpa africana</u> B.	Potato 27(7), Tobacco 39(4).
Tettigoniidae	<u>Letana atomifera</u> Brun.	Tobacco 39(12).
	<u>Phaneroptera gracilis</u> Burm.	Tobacco 39(12).
<u>THYSANOPTERA</u>		
Thripidae	<u>Anaphothrips (Scirtothrips) dorsalis</u> Heed.	Chillies 78(2).

(1)	(2)	(3)
	<u>Rhipiphorethrips cruentatus</u> H.	Grapvine 46(5).
	<u>Scirtethrips dorsalis</u> Hecd.	Cotton 36(9).
	<u>Thrips tabaci</u> L.	Cruciferous 30(12), Onion 83(2).
<u>NON-INSECT PESTS</u>		
Crabs	<u>Paratelphusa jacquementii</u>	Paddy 4(15).
	<u>P. querinii</u>	Paddy 4(15).
Rats	<u>Bandicota bengalensis</u>	Cereals = A.
	<u>B. gigantea</u> M.	Coconut 53(6), Math 16(4).
	<u>Mus musculus</u>	Stored grain pests 109(30).
	<u>Rattus norvegicus</u>	Sugarcane 9(13).
	<u>R. rattus</u> Bl.	

PART - III

Pests arranged alphabetically giving cross reference of crop number with pest numbers in PART - I.

<u>Acarus sire</u> L.	109(16).
<u>Achaea lanata</u> L.	32(4), 67(1), 70(7), 107(2).
<u>Acherentia styx</u> W.	35(5), 91(1), 106(1).
<u>Acrecerceps caerulea</u> M.	21(3).
<u>Acretylus humbertianus</u> S.	39(12).
<u>Acyrthosiphon pisum</u> H.	17(1).
<u>Adisura atkinsoni</u> M.	19(4).
<u>Agistemus</u> sp.	36(14), 104(2), 105(2).
<u>Agrotis ypsilon</u> R.	12(1), 24(12), 27(3), 30(9), 39(11), 78(4).
<u>Alcidodes nr. affaber</u> Aur.	23(6), 36(8).
<u>Aleurelebus parodensis</u> M.	9(8).
<u>Allasomyia tenuispitch</u> K.	50(1).
<u>Amblyseius</u> sp.	70(6), 105(2).
<u>Amsacta albistriga</u> W.	1(6), 2(10), 3(7).
<u>A. lactinea</u> C.	1(6), 2(10), 3(7).
<u>A. moorei</u> B.	1(6), 2(10), 3(7), 11(7), 13(4), 16(3), 20(1), 32(7), 33(4), 35(6), 36(12), 37(7), 39(18).
<u>Amyna ecte</u> Gn.	107(2).
<u>Anaphothrips (Scirtethrips)</u> <u>dersalis</u> H.	78(2).
<u>Anarsia <del>argyria</del> sp.</u>	43(1).
<u>Anomala dersalis</u> F.	46(3).
<u>Anomis flava</u> F.	23(4), 36(3).
<u>Anthracocephora crucifera</u> Ol.	3(3), 24(2), 35(1).
<u>anticarsia irrorata</u> F.	11(3), 21(2).



<u>Antigastra catalaunalis</u> D.	35(3).
<u>Amhanus serdidus</u> Fb.	33(2), 35(4).
<u>Aphis craccivora</u> Koch.	14(1), 21(1), 33(1).
<u>A. fabae selanella</u>	103(1).
<u>A. gossypii</u> Glev.	19(1), 23(1), 24(1), 31(4)., 36(1), 78(1), 79(1).
<u>A. maidis</u> F.	5(1).
<u>A. malvae</u> PaSe.	31(4).
<u>A. medicaginis</u> Kle.	19(1).
<u>A. nasturtii</u>	31(4), 78(1).
<u>A. nerii</u> F.	85(1), 96(1).
<u>Apogonia</u> sp.	46(3).
<u>Argina cribraria</u> Cl.	37(3), 107(1).
<u>A. syringa</u> Cr.	37(3).
<u>Argyreplece sprebela</u> M.	50(2).
<u>Ariadne merione</u> Cr.	32(3).
<u>Aschondylia</u> sp.	14(3).
<u>Aschondylia sesami</u> F.	35(2).
<u>Athalia lugens proxima</u> K.	30(5), 56(2).
<u>Atherigona indica</u> M.	2(9).
<u>Atractomerpha crenulata</u> F.	30(7), 39(12).
<u>Attagenus gloriesae</u> F.	109(4).
<u>A. piceus</u> F.	109(6).
<u>Atteva niveigutta</u> W.	86(1).
<u>Aulacephora</u> sp.	31(8).
<u>A. foveicellis</u> Luc.	22(2).
<u>Bagrada cruciferarum</u> K.	30(11).
<u>B. hilaris</u> W.	30(11), 97(2).
<u>B. picta</u> F.	30(11).
<u>Bandicota bangalensis</u>	A, 9(13), 16(5), 53(6).

<u>B. gigantea</u> M.	109(30).
<u>Batecera rubus</u> L.	45(4), 50(8).
<u>B. rufomaculata</u> D.	45(4), 50(8).
<u>Bemisia tabaci</u> Ga.	23(10), 36(10), 39(17).
<u>Bledius graecilicernis</u> Kr.	39(5).
<u>Belboceras</u> sp. <u>calanus</u> W.	46(3).
<u>B. sp. quadridens</u> F.	46(3).
<u>Bembutelia tacesatrix</u> G.	50(7).
<u>Brevipalpus abovatus</u> D.	46(6).
<u>B. phoenicis</u> G.	36(14).
<u>Bruchus chinensis</u> L.	109(22).
<u>Cadra cautella</u> W.	109(5).
<u>Callimebus</u> sp. ? <u>trilineaticellus</u> Pie.	40(3).
<u>Calecebis angustatus</u> L.	2(4).
<u>Caleptilia acidula</u> M.	40(5).
<u>Carea angulata</u> F.	48(1).
<u>Catachryseps strabe</u> F.	19(4).
<u>Catantops pinguis innotabilis</u> W.	39(12).
<u>Catharsius inermis</u> L.	46(3).
<u>Catopsilia pomona</u> L.	54(1).
<u>Celeris livernica</u> Esp.	95(2).
<u>Centrececcus insalitus</u> Ga.	19(8).
<u>Cerciaphis publica</u> sp. nov.	40(1).
<u>Chaetecroma pussensis</u> M.	2(5).
<u>Characoma nilotica</u> Rag.	44(1).
<u>Chilo partellus</u> S.	3(5).
<u>C. zenellus</u> S.	2(8), 3(5), 6(4).
<u>Chiletraca infuscatellus</u> Sn.	9(6).
<u>Chrotezenus</u> spp.	1(8), 2(13), 3(9), 6(5), 33(6), 36(19), 39(7), 98(2).

<u>Cicadulina</u> sp.	5(3).
<u>Cirphis unipuncta</u> H.	2(2), 3(2), 4(8).
<u>Clania</u> sp.	69(1).
<u>Elavigralla gibbosa</u> S.	19(5).
<u>Cletus</u> sp.	8(1).
<u>C. sp. nr. signatus</u> W.	29(1).
<u>Enaphalocrecis medinalis</u> Ga.	4(6).
<u>Cercyra cephalonica</u> H.	109(11), (23), (25).
<u>Creontiades pallidifer</u> Walk.	2(4), 22(3).
<u>Crepidolemia binetalis</u> Z.	30(4), 97(1).
<u>Cyaneolytta acteen</u> Cast.	1( 1), 87(1), 101(3), 107(3).
<u>Cylas formicarius</u> Fb.	28(2).
<u>Cylindrotherax audouini</u> Haag.	1(1), 3(4).
<u>C. ruficellus</u> F.	1(1), 2(3), 6(2).
<u>Dactynotus (Urethelan)</u> <u>compositae</u> Th.	55(1), 63(1).
<u>Dacus</u> sp.	42(2), 43(2), 45(2), 47(2), 50(4).
<u>D. (Strumeta) cucurbitae</u> Coq.	31(7).
<u>D. diversus</u> Coq.	31(7).
<u>Danais plexippus</u> L.	85(2).
<u>Daphnis nerii</u> L.	68(1), 75(1).
? <u>Deltoccephalus</u> sp.	5(3).
<u>Dialeuretes citri</u> R. and H.	49(14).
<u>Diatraea polychrysa</u> Meyr.	3(5).
<u>Dichecresis punctiferalis</u> G.	32(1), 49(4), 50(3), 52(2).
<u>Dichomeris ianthes</u> May.	14(2).
<u>Dictyophara dixonii</u> Dist.	9(3).
<u>Dresicha mangiferae</u> Gr.	50(10).
<u>D. stebbingi</u> Gr.	50(10).
<u>Dysdercus cingulatus</u> Fb.	36(17).

<u>Earias fabia</u> Cr.	23(5), 36(18).
<u>E. insulana</u> B.	23(5), 36(18).
<u>Elasmolemus sordidus</u> F.	33(2).
? <u>Emboassa</u> sp.	5(3).
<u>E. devastans</u> D.	23(2), 24(7), 27 (5), 36(4).
<u>E. flavescens</u> Fb.	32(2).
<u>Etetranychus</u> sp.	49(9).
<u>Epacromia dorsalis</u> Thub.	3(6).
<u>Ephesia cautella</u> W.	109(5), (8), (14), (25), (28), (29).
<u>Epilachna 12 - punctata</u> M.	31(6).
<u>E. 28 - punctata</u> F.	24(4), 27(4), 31(6).
<u>E. nr. sparsa</u> Hb.	31(6).
<u>E. 12 - stigma</u> M.	24(4), 27(4).
<u>Eretmocera impectella</u> W.	29(2).
<u>Eriophyes gossypii</u> B.	36(21).
<u>Eublerma olivacea</u> Wkr.	24(10).
<u>Euprectis</u> sp.	19(3).
<u>E. limbata</u> B.	32(7).
<u>E. subnetata</u> Wkr.	19(1), 22(4), 24(6), 32(7).
<u>E. virguncula</u> Wkr.	2(6), 22(4).
<u>Eurema hecabe</u> L.	101(2).
<u>Eutetranychus orientalis</u> L.	32(6), 36(14), 42(7), 49(9), 74(3).
<u>Euxoa segetua</u> Schiff.	11(2).
<u>Euzophera verticella</u> R.	24(211)
<u>Exelastes atresa</u> W.	19(6).
<u>Exitianus capicola</u> Stel.	5(3).
<u>Gampsoceris pulchellus</u> Dall.	19(2), 31(1).
<u>Gastropacha pardala</u> Wkr. ssp. <u>pardala</u> M.	100(1).

<u>Gitenides perspicax</u> K.	35(2).
<u>Gaerineschena blapsigena</u> M.	24(3).
<u>G. heliana</u> Lew	39(16).
<u>G. sarcocolla</u> Z.	27(2), 39(16).
<u>Gonoccephalum dersegranatum</u> Fa.	39(13).
<u>Grylletalpa africana</u> B.	27(7), 39(4).
<u>Halys dentatus</u> Fa.	40(2).
<u>Heliothis armigera</u> Hb.	1(2), 5(2), 11(5), 12(2), 15(1), 17(3), 19(4), 21(5), 22(5), 39(10), 89(1), 91(1), 106(1).
<u>H. assulta</u> Gn.	39(10).
<u>H. obsoleta</u> F.	12(2), 17(3).
* <u>H. peltigera</u> S.	89(1), 105(1), 106(1).
<u>Heliula undalis</u> Fb.	30(1).
<u>Herculia</u> sp.	50(7).
<u>Herse convolvuli</u> L.	28(1).
<u>Hieroglyphus banian</u> Fb.	4(3).
<u>H. banian</u> var. <u>elongata</u> .	9(2).
<u>Hissa arzigera</u> Ol.	4(11).
<u>Heletrichia censanguinea</u> Blanchi	( 9), 3(10), 9(12), 19(12), 23(11), 30(13), 33(8).
<u>Hemeneura</u> sp.	2(9).
<u>Hyadaphis coriandri</u> D.	80(1).
<u>Hyblea pueri</u> C.	54(2).
<u>Hydrenomidius meliter</u> Fst.	4(7).
<u>Hymenia recurvalis</u> L.	60(1).
<u>Hypelixus truncatulus</u> F.	8(3), 29(3), 99(2).
<u>Idiocerus alkinseni</u> L.	43(4), 50(5).
<u>I. clypealis</u> L.	43(4), 50(5).
<u>I. niveosparvus</u> L.	43(4), 50(5).
<u>Indarbela</u> sp.	40(6), 42(5), 47(5), 48(3), 49(12), 50(9), 52(3), 54(3), 70(4).

<u>Lamophleus minutus</u> Ol.	109(15).
<u>Lampyris indicata</u> F.	11(4), 19(2), 21(4), 22(6).
<u>Laphygma exigua</u> Hb.	1(4), 2(6), 8(2), 10(2), 17(2), 22(5), 24(9), 25(1), 30(3), 32(3), 35(5), 36(13), 37(4), 39(14), 72(1), 678(5), 88(1), 92(1), 98(1), 102(1), 104(1), 108(1).
<u>Lasiederma serricorne</u> L.	109(3), (9), (13).
<u>Laspeyresia</u> sp.	37(5).
<u>Laspeyresia aurantiana</u> P.	74(1).
<u>L. ptychera</u> Meyr.	13(2).
<u>Latheticus oryzae</u>	109(21).
<u>Leptispa pygmaea</u> B.	4(1).
<u>Leptocoris coimbatorensis</u> F.	76(1).
<u>Leptocorisa acuta</u> T.	4(10).
<u>Letana atomifera</u> Brunn.	39(12).
<u>Leucania loreyi</u> Dup.	1(4).
<u>Leucinodes orbenalis</u> G.	24(5).
<u>Lipaphis erysimi</u> K.	30(8), 56(1), 71(1).
<u>Longitarsus</u> sp.	37(2).
<u>L. belgaumensis</u> F.	2(5).
<u>Longiunguis sacchari</u> Z.	9(1).
<u>Lygaeus civilis</u> Wolff.	35(4).
<u>Lyncestis aphix</u> Cr.	73(3), 77(3).
<u>Macresiphum pisi</u> Kalt.	17(1).
<u>Maladera</u> sp.	46(3).
<u>Marasmarcha liephanes</u> M.	19(6).
<u>Marasmiella trapezalis</u> Wkr.	1(5), 2(7).
<u>Margaremia indica</u> S.	28(1), 31(2).
<u>Maruca testulalis</u> G.	13(2).
<u>Melanogrammyza</u> sp.	18(3).

<u>Metanastria hyrtagae</u> Cr.	48(1).
<u>Mimicralla caeruleifrons</u> M.	81(1).
<u>Mecis frugalis</u> F.	6(1).
<u>Mus musculus</u>	A. 9(13), 16(5), 53(6), 109(30).
<u>Musca domestica</u> L.	39(3).
<u>Mylabris phalarata</u> Fall.	11(6), 16(2), 19(9), 21(6), 23(7), 31(5), 33(3), 65(1), 70(5).
<u>Myllocerus blandus</u> Fst.	2(12), 3(8), 4(13), 5(5), 9(10), 16(4), 24(14), 36(15), 47(6).
<u>M. discolor</u> Boh.	1(7), 2(12), 3(8), 4(13), 5(5), 6(3), 7(1), 9(10), 13(5), 18(7), 19(11), 20(2), 21(8), 22(8), 33(5), 35(7), 36(15), 37(8), 42(6), 49(10), 50(11), 54(4), 73(5), 74(2), 107(4).
<u>M. laetivirens</u> Mshl.	18(7), 36(15).
<u>Myzus persicae</u> S.	5(1), 10(1), 24(1), 30(8), 39(8), 79(1).
<u>Nemastatus</u> sp.	14(3).
<u>Nemaskellia</u> <del>bergii</del> <sup>bergii</sup> S.	9(8).
<u>Nephentis serinosa</u> M.	53(1).
<u>Nepheptrix</u> sp. nr. <u>divisella</u> Dup.	58(1).
<u>Nesidicaris tenuis</u> R.	31(1), 39(9).
<u>Nezara viridula</u> Linn.	13(1), 86(2).
<u>Nymphula deunctalis</u> G.	4(9).
<u>Odentotermes</u> spp.	50(13).
<u>O. ensus</u> Ram.	5(6), 9(11), 36(20), 49(13).
<u>Oecanthus</u> sp.	39(12).
<u>Oecophylla smaragdina</u> F.	49(11), 50(12).
<u>Olenecanthus hilebus</u> F. var.	51(1).
<u>Olethreutes collifera</u> M.	48(2).
<u>Oligonychus</u> sp.	46(6), 50(14), 70(6).
<u>O. indicus</u> H.	2(11).

<u>Onthophagus</u> sp.	39(1).
<u>O.gazella</u> F.	46(3).
<u>Opatroides punctulatus</u> Brull.	39(13).
<u>Ophideres fullonica</u> L.	49(5).
<u>O. materna</u> L.	49(5).
<u>Oryctes rhinoceros</u> L.	53(4).
<u>Oryzaophilus surinamensis</u> L.	109(27).
<u>Oxycarenus laetus</u> K.	36(11).
<u>Oxycetonia versicolor</u> F. var. A. arrow.	24(2), 3(3), 35(1).
<u>Oxytelus latiusculus</u> Kr.	39(5).
<u>Pachydiplasis oryzae</u> M.	4(2).
<u>Pachymus chinensis</u> L.	109(22).
<u>Pachyrrhinoderes rugisennis</u> Ohs.	46(3).
<u>Pachyzancla phaeopteralis</u> Gn.	4(5).
<u>Papilio demoleus</u> L.	49(3).
<u>Parallelia stuposa</u> F.	32(4).
<u>Paratelphusa jacquementii</u>	4(15).
<u>P. guerinii</u>	4(15).
<u>Paratetranychus citri</u>	49(9).
<u>Parnara Mathias</u> Fb.	4(12).
<u>Pempheres nr. affinis</u> F.	36(8).
<u>Penttalenia nigrenervis</u> Coq.	41 (1).
<u>Perigaea capensis</u> G.	34(2).
<u>Phaneroptera gracilis</u> Burm.	39(12).
<u>Putherinaea operculella</u> Z.	27(2).
<u>Phycita clientella</u> Z.	24(11).
<u>P. sp.nr. infusella</u> M.	36(2).
<u>Phycodes radiata</u> Ochs.	45(1).
<u>Phyllocnistis cistrella</u> S.	49(6).



<u>Phylletreta cruciferae</u> G.	30(6).
<u>Pieris brassicae</u> L.	30(2).
<u>Piezodorus rubrefasciatus</u> Fabr.	13(1).
<u>Platyedra gossypiella</u> S.	36(16).
<u>Platyepala areolata</u> M.	70(1).
<u>Platyterma</u> sp.	14(3).
<u>Plodia interpunctella</u> H.	109(18).
<u>Plusia</u> sp.	17(2), 22(5), 38(1), 72(1).
<u>P. ni</u> Hb.	30(3), 39(15).
<u>P. rapae</u> F.	31(3).
<u>Plutella maculipennis</u> Curt.	30(10), 56(3), 59(1).
<u>Polytela gloriosae</u> F.	66(1).
<u>Prodenia litura</u> F.	21(2), 26(1), 28(1), 30(3), 32(3), 35(5), 36(13), 39(14), 41(2), 72(1), 78(5), 84(1), 89(1), 98(1), 99(1), 102(1).
<u>Prionematus</u> sp.	42(7).
<u>Prexenus hugeli</u> F.	11(3), 21(2).
<u>Psalydolytta rouxi</u> Cast.	1(1), 2(3).
<u>Psammotettix</u> sp.	5(3).
<u>Pseudaletia separata</u> W.	2(6).
<u>Pseresticha zyzzyhi</u> St.	49(7), 82(1).
<u>Ptycheoseutis plumbeolinealis</u> H.	97(1).
<u>Pulvinaria psidii</u> M.	47(3).
<u>Pyrrilla perpusilla</u> Walk. <u>coimbatorensis</u> Fenn.	9(4).
<u>Ragnus impertunitas</u> D.	37(1).
<u>Rattus norvegicus</u>	A 9(13), 16(5).
<u>R. rattus</u> Bl.	53(6), 109(30).
<u>Rhipiphorathrips cruentatus</u> H.	46(5).
<u>Rhizonertha dominica</u> F.	109(20).
<u>Rhopalsiphum maidis</u> F.	2(1), 3(1), 5(1).

<u>Rhynchosiphum ferrugineus</u> F.	53(3).
<u>Rhyssenus orientalis</u> Muls.	39(2).
<u>Riptortus</u> sp.	13(1).
<u>R. pedestris</u> F.	19(5).
<u>Scelodonta strigicollis</u> M.	46(1).
<u>Schizaphis graminum</u> Rond.	5(1)
<u>Schizonychia ruficollis</u> F.	49(1).
<u>Schizotetranychus andreogeni</u> H.	2(11).
<u>Scheenobius incertellus</u> Wlk.	4(8).
<u>Scirtothrips nivella</u> F.	9(7).
<u>Scirtothrips dorsalis</u> Heed.	36(9).
<u>Selepa celtis</u> M.	40(4).
<u>S. discigera</u> W.	40(4).
<u>S. decilis</u> B.	24(6).
<u>S. rabdota</u> H.	24(9).
<u>Sesamia</u> sp.	9(6).
<u>S. inferens</u> Wlk.	2(8), 3(5), 4(8), 5(4).
<u>Sindia clathrata</u> F.	53(2).
<u>Sitophilus granarius</u> L.	109(17).
<u>S. oryzae</u> L.	109(26).
<u>Sitotroga cerealella</u> O.	109(2).
<u>Segata distincta</u> Dist.	4(4).
<u>Segatella furcifera</u> H.	4(4).
<u>S. longifurcifera</u> Es. and Ish.	5(3).
<u>Sphenarches anisedactylus</u> W.	31(2).
<u>Sphenoptera</u> sp.	22(2).
<u>Sphenoptera gossypii</u> Kr.	36(7).
<u>Sphenoptera cilium</u>	94(1).
<u>S. exigua</u> Hb.	83(1).
<u>S. litura</u> F.	83(1).
<u>S. mauritia</u> B.	4(14).

<u>Storicta</u> sp.	50(7).
<u>Sthenias</u> <u>grisater</u> F.	46(2).
<u>Stigebium</u> <u>panicum</u> L.	109(12).
<u>Sylepta</u> <u>derogata</u> F.	23(8), 36(5).
<u>Syllepte</u> <u>arctalis</u> Gn.	57(1).
<u>Synclera</u> <u>univocalis</u> W.	42(4).
<u>Tarache</u> <u>nitidula</u> F.	36(6).
<u>Tenebria</u> <u>molitor</u> L.	109(7).
<u>T. obscurus</u> F.	109(7).
<u>Tenebroides</u> <u>mauritanicus</u>	109(7).
<u>Tetranychus</u> <u>telaricus</u> L.	18(4), 20(3), 23(9), 24(13), 27(6), 32(6), 36(14), 50(14), 96(2), 50(14).
<u>Thalassedes</u> <u>quadrarea</u> Gn.	50(6).
<u>Theretra</u> <u>electra</u> Hb.	46(4).
<u>T. clothe</u> Dr.	46(4).
<u>Thericaphis</u> <u>trifolii</u> of <u>maculata</u> Buck.	22(1).
<u>Thiacides</u> <u>pestica</u> W.	42(3).
<u>Thrips</u> <u>tabaci</u> L.	30(12), 83(2).
<u>Thylacoptila</u> <u>pauresena</u> M.	101(1).
<u>Texoptera</u> <u>surantii</u> B.	49(2).
<u>Teya</u> <u>prebinqha</u> Fieb.	5(3).
<u>Trachys</u> sp.	23(3).
<u>Trialeurodes</u> <u>ricini</u> M.	32(5).
<u>Tribolium</u> <u>castaneum</u> H.	109(1), (4), (24).
<u>T. confusum</u> H.	109(10).
<u>Trialeurodes</u> <u>sticta</u> M.	22(5).
<u>Tridactylus</u> <u>riparius</u> Ss.	39(6).
<u>Trinervitermes</u> <u>rubidus</u> Hag.	5(6), 9(11), 36(20), 53(5), 70(8) 78(3).
<u>Trionymus</u> <u>sacchari</u> Ckll.	9(5).

<u>Troxoderna granaria</u> B.	109(19).
<u>Tydeus</u> sp.	49(9).
<u>Typhaea stercorea</u> L.	109(3).
<u>Typhlocyba maculifrons</u> Metch.	5(3).
<u>Urentius echinus</u> Dist.	24(8).
<u>Ureleucen (Uremelan)</u> sp. <u>compositae</u> Theob.	34(1), 61(1), 62(1), 90(1).
<u>Utetheisa pulchella</u> L.	37(3).
<u>Virachela isocrates</u> F.	47(1), 52(2).
<u>Xanthodes intersepta</u> Gn.	36(6).
<u>Zizeeria kyrga</u> Trin.	29(2).
<u>Zenabris pustulata</u> Th.	31(5).

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