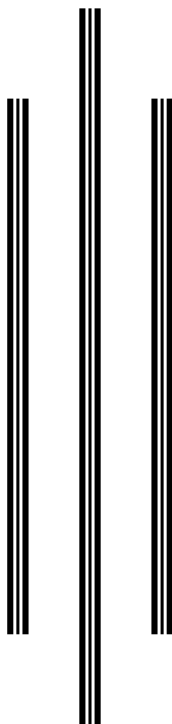


PEST MAP

(F.Y. 2078 / 079)



Provincial Government

Ministry of Land Management, Agriculture, Cooperative & Poverty Alleviation

Agriculture Development Directorate

PLANT PROTECTION LABORATORY

Gandaki Province

Pokhara, Nepal

TABLE OF CONTENT

District Wise Pest Map	1
Gandaki Province Pest Map-Information	2
1. Mustang	4
2. Manang	6
3. Gorkha	8
4. Lamjung	10
5. Tanahun	12
6. Syangja	14
7. Kaski	16
8. Myagdi	19
9. Baglung	21
10. Parbat	23
11. Nawalpur	25
References	26

PEST MAP OF GANDAKI PROVINCE



Crop Pest Map-Information

Major Crop Diseases

S.N.	Name of Diseases	Crop(s)	Cause	Legend
1	Coffee rustf	Coffee	<i>Hemileia vastatix</i>	
2	Cirus Greening	Citrus (Mandarin)	<i>Candidatus Leberibacter asiaticus</i>	
3	Canker	Citrus	<i>Xanthomomas axonopodis pv.citri</i>	
4	Powdery mildew	Citrus/Cucurbits	<i>Oidium spp./Erysiphe cichorocearum</i>	
5	Apple Scab	Apple	<i>Venturia inaequalis</i>	
6	Root/Foot rot	Apple, Citrus, Brinjal,Chilli	<i>Phytophthora spp.</i>	
7	Papery bark	Apple, pear	<i>Pelicularia spp.</i>	
8	Late blight	Tomato, Potato	<i>Phytophthora spp.</i>	
9	Bacterial wilt	Tomato	<i>Pseudomanas spp.</i>	
10	Virus	Tomato,Cucurbits, Potato	<i>TMV,CMV, PVX, PVY</i>	
11	Damping off	Cole crops	<i>Pythium, Rhizoctonia</i>	
12	Downy mildew	Cucurbits	<i>Pseudoperonospora cubensis</i>	
13	Yellow rust	Wheat, Barley	<i>Puccinia striformis</i>	
14	Loose smut	Wheat	<i>Ustilago nuda tritici</i>	
15	Khaira disease	Paddy	<i>Zinc deficiency</i>	
16	False smut	Paddy	<i>Ustilagonoida virens</i>	
17	Anthracnose	Bean	<i>Colletotricum lindemuthianum</i>	
18	Rust	Bean	<i>Collectotrichum spp.</i>	
19	Sheath blight	Rice	<i>Rhizoctonia solani</i>	
20	Blast	Rice	<i>Pyricularia oryzae</i>	
21	Clubroot	Crucifers	<i>Plasmodiophora Brassicae</i>	
22	Stem rot	Tomato	<i>Erwinia carotovora</i>	
23	Gummosis	Citrus	<i>Phytophthora spp</i>	
24	Black Sigatoga	Banana	<i>Mycospharella Musicola</i>	
25	Rhizome rot	Large Cardomom	<i>Pusanum Snn, Pythium</i>	
26	Leaf Streak/Blight	Large Cardomom	<i>Pestalatiopsis Spp</i>	

Major Insect Pests :

S.N.	Name of Insect Pests		Crop(s)	Legend
1	Tuta leaf miner	<i>Tuta absoluta</i>	Tomato	
2	White fly	<i>Beamisa tabaci</i>	Tomato,Cucurbits	
	Aphids	<i>Different spp.</i>	Vegetables	
3	Wooly aphid	<i>Eriosoma lanigerum</i>	Apple	
4	Sanjose scale	<i>Quadraspidiotus sp</i>	Apple	
5	Cabbage butterfly	<i>Pieris brassicae nepalensis</i>	Cole crops	
6	Diamond Backmoth	<i>Plutella xylostella</i>	Cole crops	
7	White grub	<i>Phyllophaga rugosa</i>	Potato, Vegetables	
8	Red ant	<i>Dorilus orientalis</i>	Potato, vegetables	
9	Maize borer	<i>Chilo spp.</i>	Maize	
10	Rice borer	<i>Scirpophaga spp.</i>	Paddy	
11	Gandhi bug	<i>Leptocorisa sp.</i>	Paddy	
12	Beetle	<i>Epilachna spp.</i>	Cucurbits	
13	Fruitfly	<i>Dicus dorsalis/ Bactocera cucurbitaea</i>	Mango, Citrus/ cucurbits	
14	Tent caterpillar	<i>Malacosoma americanum)</i>	Apple	
15	American fall armyworm	<i>Spodoptera frugiperda</i>	Maize, Almost all district	
16	Coffee stem borer	<i>Xylotrechus quadripes</i>	Coffee	
17	Litchi mite	<i>Aceria litchii</i>	Litchi	
18	Chinese Citrus Fly	<i>Bactrocera Minax</i>	Citrus	
19	Cabbage Semi-looper	<i>Thysanoplusia Orichalsea</i>	Potato, Beans, Flower (gladiolus)	

Major Weeds :

S.N.	Name of Weeds		Crop(s) to be hampered	Legend
1	Dubo	<i>Cynodon dactylon</i>	Wheat	
2	Gandhe	<i>Ageratum conyzoides</i>	Cereals	
3	Bethe	<i>Chenopodium album</i>	Cereals	
4	Thangnejhar	<i>Spergula arvensis</i>	Cereals	
5	Banso	<i>Digitaria spp</i>	Cereals	
6	Ragate/ Thokre	<i>Phalaris minor</i>	Cereals	
7	Lunde	<i>Amaranthus spp</i>	Cereals	
8	Siru	<i>Imperata cylindrica</i>	Cereals	
9	Mothe	<i>Cyperus rotundus</i>	Wheat	

Districtwise Crop Pest Map-Information
1. Mustang District
Major Crop Diseases :

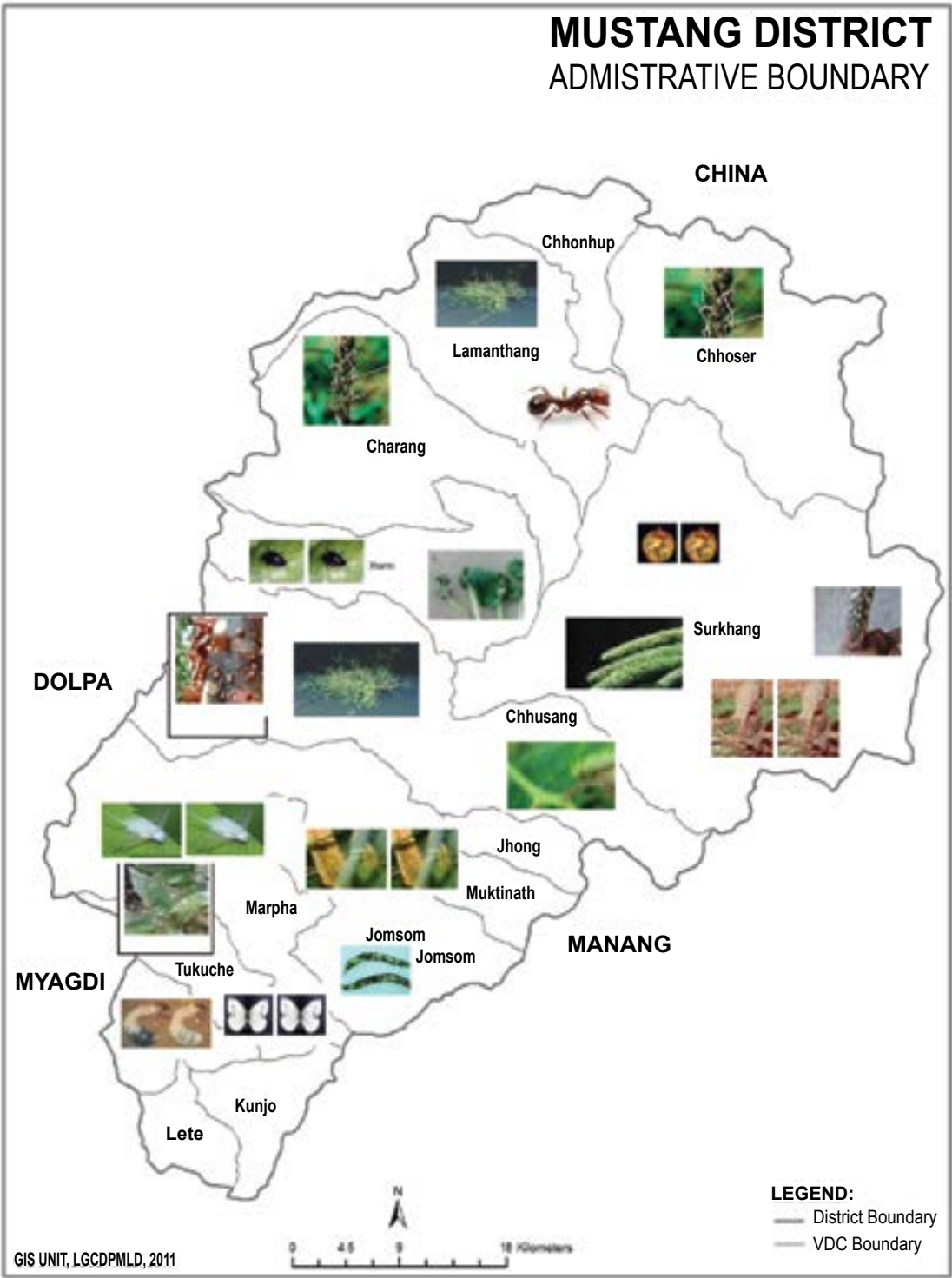
S.N.	Name of Diseases	Crop(s)	Cause	Disease Severity-Legends		
				Low	Medium	High
1	Apple Scab	Apple	<i>Venturia inaequalis</i>			
2	Root/Foot rot	Apple	<i>Phytophthora spp.</i>			
3	Papery bark	Apple	<i>Pelicularia spp.</i>			
4	Powdery mildew	Apple	<i>Podosphaera leucotricha</i>			
5	Late blight	Tomato, Potato	<i>Phytophthora spp.</i>			
6	Damping off	Cole crop	<i>Pythium, Rhizoctonia</i>			
7	Anthracnose	Bean	<i>Collectotrichum spp</i>			
8	Yellow rust	Wheat, Barley	<i>Puccinia striformis</i>			
9	Loose smut	Wheat	<i>Ustilago nuda tritici</i>			
10	Cotton Bollworm	Apple	<i>Helicorerpa Armigera</i>			
11	Codling Moth	Apple	<i>Cydia Pomonella</i>			

Major Insect Pests :

S.N.	Name of Insect Pests	Crop(s)	Loss Severity-Legends		
			Low	Medium	High
1	Wooly aphid, <i>Eriosoma lanigerum</i>	Apple			
2	Sanjose scale <i>Quadraspidiotus sp</i>	Apple			
3	Cabbage butterfly <i>Pieris brassicae nepalensis</i>	Cole crop			
4	White grub <i>Phyllophaga rugosa</i>	Potato			
5	Aphids <i>Different spp.</i>	Cole crops, Mustard			
6	Red ant <i>Dorilus orientalis</i>	Potato			
7	Tent Caterpillar <i>Malacosoma neustrium</i>	Apple			
8	Fall Army Worm <i>Spodoptera Furgiperda</i>	Maize			

Major Weeds :

S.N.	Name of Weeds	Crop(s) to be hampered	Loss Severity-Legends	
			Medium	High
1	Dubo <i>Cynodon dactylon</i>	Wheat		
2	Thokre <i>Phalaris minor</i>	Wheat		



2. Manang District
Major Crop Diseases :

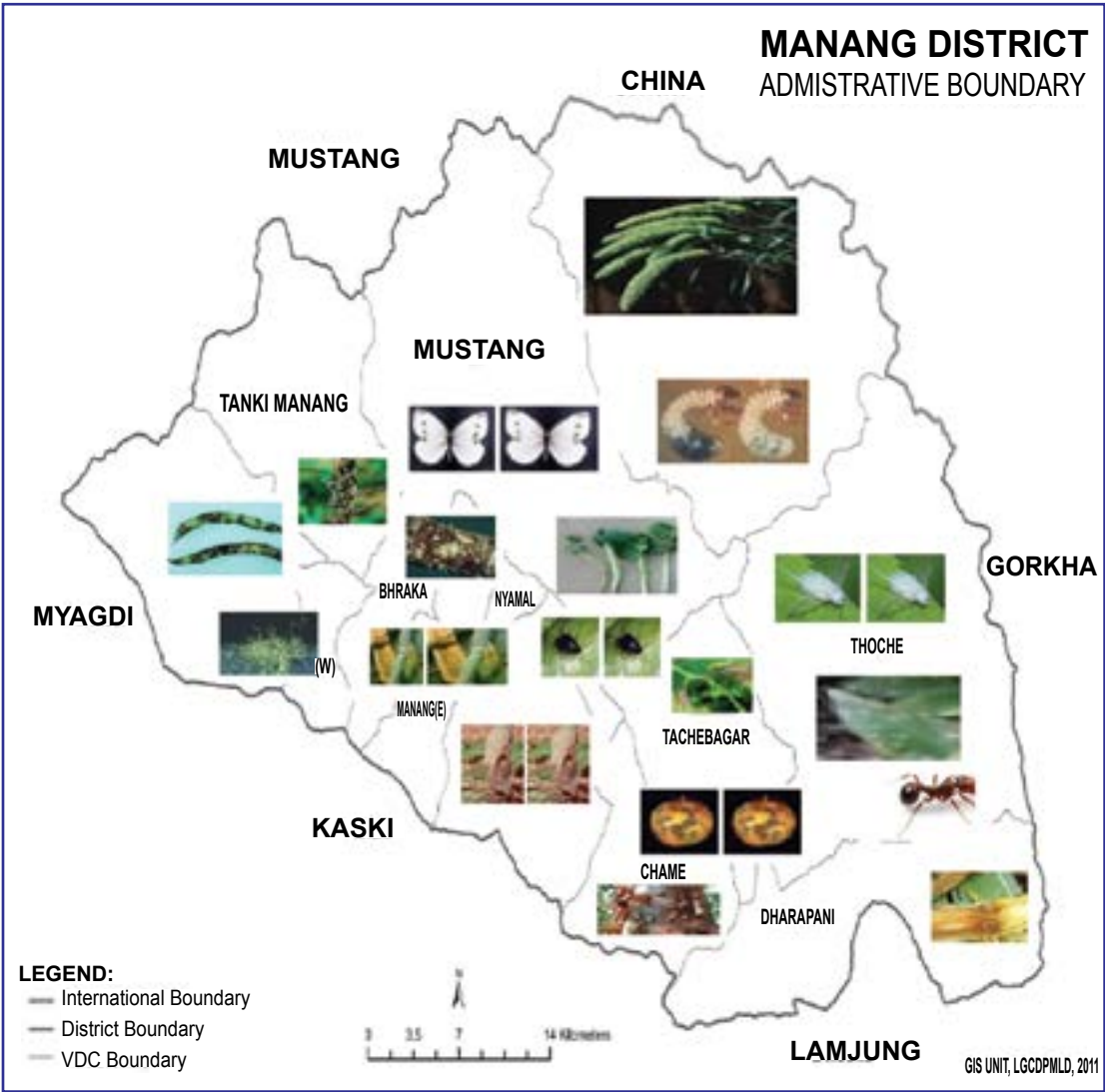
S.N.	Name of Diseases	Crop(s)	Cause	Disease Severity-Legends		
				Low	Medium	High
1	Apple Scab	Apple	<i>Venturia inaequalis</i>			
2	Root/Foot rot	Apple	<i>Phytophthora spp.</i>			
3	Papery bark	Apple	<i>Pelicularia spp.</i>			
4	Late light	Potato	<i>Phytophthora spp.</i>			
5	Damping off	Cole crop	<i>Pythium, Rhizoctonia</i>			
6	Anthracnose	Bean	<i>Collectotrichum spp</i>			
7	Yellow rust	Wheat	<i>Puccinia striformis</i>			
8	Loose smut	Wheat	<i>Ustilago nuda tritici</i>			
9	Powderymildew	Apple	<i>Podosphaera leucotricha</i>			

Major Insect Pests :

S.N.	Name of Insect Pests	Crop(s)	Loss Severity-Legends		
			Low	Medium	High
1	Wooly aphid, <i>Eriosoma lanigerum</i>	Apple			
2	Sanjose scale <i>Quadraspidiotus sp</i>	Apple			
3	Cabbage butterfly <i>Pieris brassicae nepalensis</i>	Cole crops			
4	White grub <i>Phyllophaga rugosa</i>	Potato			
5	Aphids <i>Different spp.</i>	Cole crops, Mustard			
6	Red ant <i>Dorilus orientalis</i>	Potato			
7	Fall Army Worm <i>Spodoptera Furgiperda</i>	Maize			

Major Weeds :

S.N.	Name of Weeds	Crop(s) to be hampered	Loss Severity-Legends		
			Low	Medium	High
1	Dubo <i>Cynodon dactylon</i>	Wheat			
2	Thokre <i>Phalaris minor</i>	Wheat			



Major Crop Diseases :

Major Crop Diseases :

S.N.	Name of Diseases	Crop(s)	Cause	Disease Severity-Legends		
				Low	Medium	High
1	Blast disease	Paddy	<i>Pyricularia oryzae</i>			
2	Khaira disease	Paddy	<i>Zinc deficiency</i>			
3	False smut	Paddy	<i>Ustilagonoida virens</i>			
4	Root/Foot rot	Citrus	<i>Phytophthora spp.</i>			
5	Papery bark	Apple,pear	<i>Pelicularia spp.</i>			
6	Late blight	Potato,Tomato	<i>Phytophthora spp.</i>			
7	Damping off	Cole crops	<i>Pythium, Rhizoctonia</i>			
8	Anthracnose	Bean	<i>Collectotrichum spp</i>			
9	Yellow rust	Wheat	<i>Puccinia striiformis</i>			
10	Loose smut	Wheat	<i>Ustilago nuda tritici</i>			
11	Stalk rot	Maize	<i>Pythium, Fusarium</i>			
12	Powderymildew	Cucumber	<i>Erysiphe cichoracearum</i>			
13	Downy mildew	Cucurbits	<i>Pseudoperonospora cubensis</i>			
14	Citrus greening	Citrus	<i>Liberibacter asiaticus</i>			
15	Powderymildew	Tomato	<i>Oidium Lycopersicum</i>			
16	Wilt	Tomato				
17	Rhizome rot	Ginger	<i>fusarium oxysporum</i>			
18	Brown Spot	Paddy	<i>Cochliabolor Miyabeanus</i>			
19	Canker	Citrus	<i>Xanthomonas Spp</i>			

Major Insect Pests :

S.N.	Name of Insect Pests		Crop(s)	Loss Severity-Legends		
				Low	Medium	High
1	Wooly aphid,	<i>Eriosoma lanigerum</i>	Apple			
2	Hairy caterpillar	<i>Diocrosis obliqua</i>	Legume			
3	Cabbage butterfly	<i>Pieris brassicae nepalensis</i>	Cole crops			
4	White grub	<i>Phyllophaga rugosa</i>	Potato			
5	Aphids	<i>Different spp.</i>	Colecrops, Cucumber			
6	Red ant	<i>Dorilus orientalis</i>	Potato			
7	DBM	<i>Plutella xylostella</i>	Colecrops			
8	Fall Army Worm	<i>Spodoptera Furgiperda</i>	Maize			
9	Tomato Leafminer	<i>Tuta Absolute</i>	Tomato			
10	Brown plant hopper	<i>Nilaparvata lugens</i>	Paddy			
11	Cabbage Semi-lopper	<i>Thysanoplusia Orichalcea</i>	Potato, Onion			
12	Leaf Miner	<i>Tuta Absoluta</i>	Tomato			
13	Hispa	<i>Dicladispa Armigera</i>	Paddy			
14	Caseworm	<i>Nymphula Depunctalis</i>	Paddy			
15	Yellow Rice Steam Borer	<i>Scirpophoga Incertulas</i>	Paddy			

Major Weeds :

S.N.	Name of Weeds	Crop(s) to be hampered	Loss Severity-Legends		
			Low	Medium	High
1	Dubo <i>Cynodon dactylon</i>	Wheat			
2	Thokre <i>Phalaris minor</i>	Wheat			
3	Gandhe <i>Aegeratum conyzoides</i>	Cereals			
4	Mothe <i>Cyperus rotundus</i>	Wheat			



4. Lamjung District
Major Crop Diseases :

S.N.	Name of Diseases	Crop(s)	Cause	Disease Severity-Legends		
				Low	Medium	High
1	Canker	Citrus	<i>Xanthomonas citri</i>			
2	Gummosis	Citrus	<i>Phytophthora spp.</i>			
4	Late blight	Tomato, Potato	<i>Phytophthora spp.</i>			
5	Damping off	Cole crop	<i>Pythium, Rhizoctonia</i>			
6	Anthraxnose	Bean	<i>Collectotrichum spp</i>			
7	Yellow rust	Wheat	<i>Puccinia striformis</i>			
8	Loose smut	Wheat	<i>Ustilago nuda tritici</i>			
9	Powdery mildew	Citrus/ Cucumber	<i>Oidium spp./ Erysiphe cichorocearum</i>			
10	Downy Mildew	Cucumber	<i>Pseudopernospora cubensis</i>			
11	Fusarium	Large cardamom	<i>fusarium oxysporum</i>			

Major Insect Pests :

S.N.	Name of Insect Pests		Crop(s)	Loss Severity-Legends		
				Low	Medium	High
1	Gandhi bug	<i>Leptocorisa oryzae</i>	Paddy			
2	Rice borer	<i>Scipophaga spp</i>	Paddy			
3	Cabbage butterfly	<i>Pieris brassicae nepalensis</i>	Cole crops			
4	White grub	<i>Phyllophaga rugosa</i>	Potato			
5	Aphids	<i>Different spp.</i>	Colecrops, Cucuber			
6	Red ant	<i>Dorilus orientalis</i>	Potato			
7	Maize stem borer	<i>Chilo Partellus</i>	Maize			
8	Tomato Leafminer	<i>Tuta Absolute</i>	Tomato			
9	Fall Army worm	<i>Spodoptera frugiperda</i>	Maize			

Major Weeds :

S.N.	Name of Weeds		Crop(s) to be hampered	Loss Severity-Legends		
				Low	Medium	High
1	Dubo	<i>Cynodon dactylon</i>	Wheat			
2	Thokre	<i>Phalaris minor</i>	Wheat			
3	Gandhe	<i>Aegeratum conyzoides</i>	Cereals			
4	Mothe	<i>Cyperus rotundus</i>	Wheat			



5. Tanahun District
Major Crop Diseases :

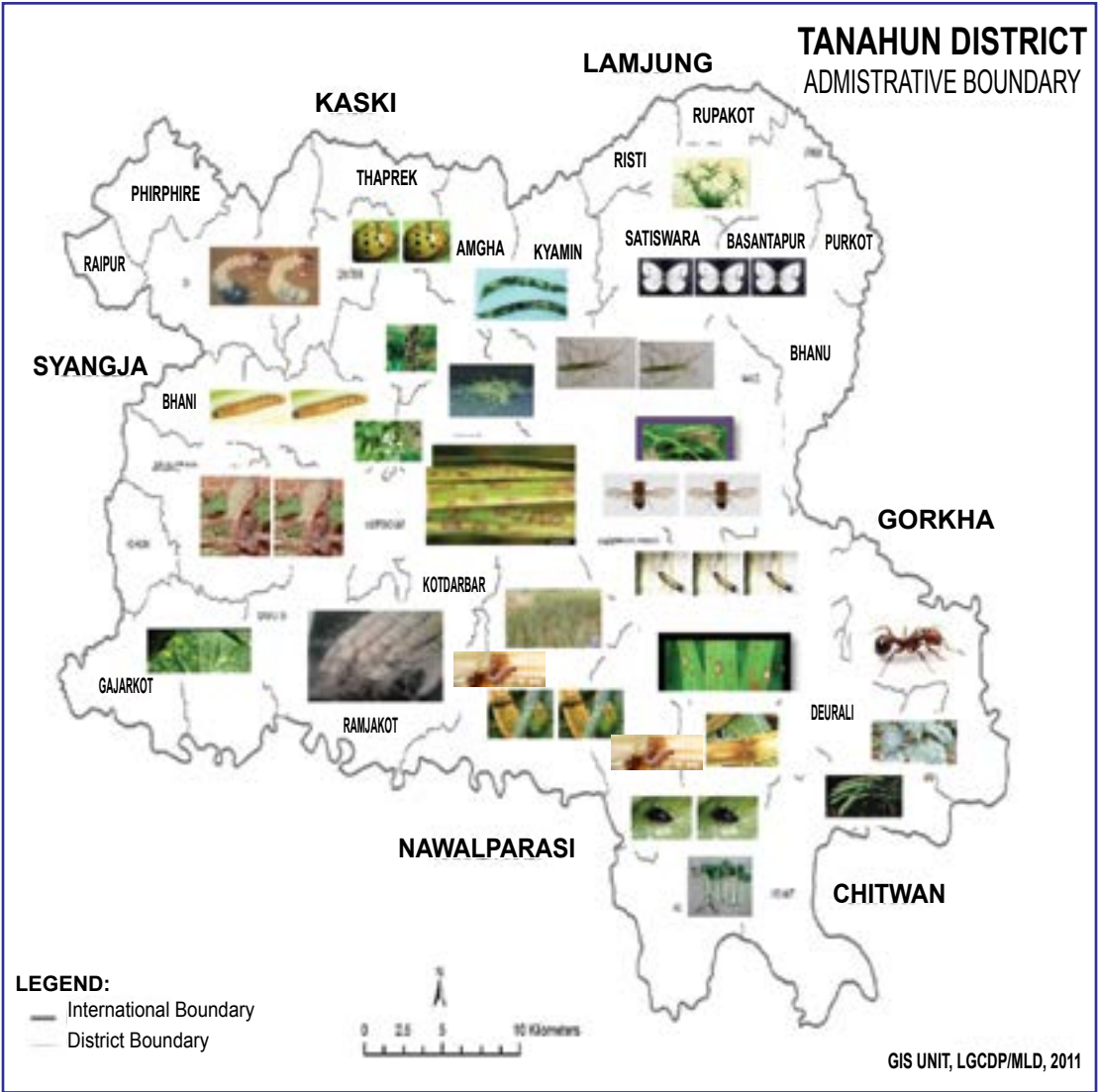
S.N.	Name of Diseases	Crop(s)	Cause	Disease Severity-Legends		
				Low	Medium	High
1	Khaira disease	Paddy	Zinc deficiency			
2	Blast	Paddy	Pyricularia oratoria			
3	Brown leafspot	Paddy	Helminthosporium sp.			
4	Citrus greening	Citrus	Leberibacter asiaticum			
5	Root/Foot rot	Citrus,Brinjal, Chilli	Phytophthora spp.			
6	Late blight	PotatoTomato	Phytophthora spp.			
6	Damping off	Cole crops	Pythium, Rhizoctonia			
8	Powdery mildew	Cucurbits	Erysiphe cichorocearum			
9	Downy mildew	Cucurbits	Pseudperonospora cubensis			
10	Anthracnose	Bean	Collectotrichum spp.			
`11	Yellow rust	Wheat	Puccinia striformis			
12	Loose smut	Wheat	Ustilago nuda tritici			
13	Sheath blight	Rice	Rhizoctonia solani			

Major Insect Pests :

S.N.	Name of Insect Pests		Crop(s)	Loss Severity-Legends		
				Low	Medium	High
1	White borer	Xylotrechus spp	Coffee			
2	Gandhi bug	Leptocorisa sp.	Paddy			
4	Maize borer	Chilo partellus	Maize			
5	Cabbage butterfly	Pieris brassicae nepalensis	Cole crops			
6	Whitegrub	Phyllophaga rugosa	Potato			
7	Aphids	Different spp.	Cole crops, Cucurbits			
8	Red ant	Dorilus orientalis	Potato			
9	Beetle	Epilachna spp.	Cucurbeet			
10	Fruitfly	Bactoeera spp.	Cucurbeet			
11	Armyworm	Spodoptera Sp	Maize			
12	Tomato Leafminer	Tuta Absolute	Tomato			
13	Banana weevil	cosmopolites sordidus	Banana			
14	Lemon Butter Fly	Papilio Demoleus	Citrus			

Major Weeds :

S.N.	Name of Weeds		Crop(s) to be hampered	Loss Severity-Legends		
				Low	Medium	High
1	Dubo	Cynodon dactylon	Wheat			
2	Thokre	Phalaris minor	Wheat			
3	Gandhe	Aegeratum conyzoides	Cereals			
4	Mothe	Cyperus rotundus	Wheat			



6. Syangja District

Major Crop Diseases :

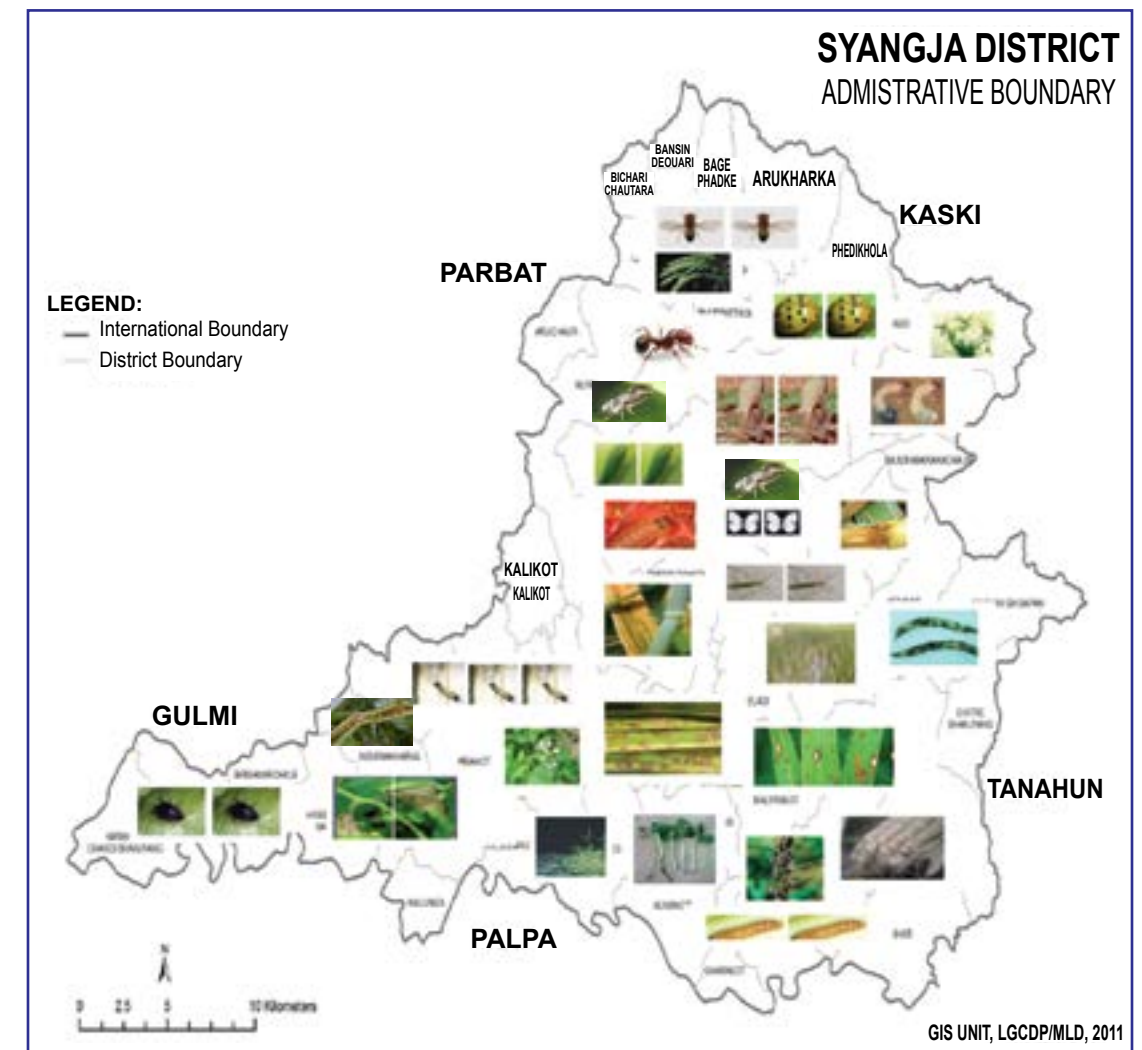
S.N.	Name of Diseases	Crop(s)	Cause	Disease Severity-Legends		
				Low	Medium	High
1	Coffee rust	Coffee	<i>Hemileia vastatrix</i>			
2	Khaira disease	Paddy	<i>Zinc deficiency</i>			
3	Blast disease	Paddy	<i>Pyricularia oratoria</i>			
4	Brown leaf spot	Paddy	<i>Helminthosporium sp.</i>			
5	Root/Foot rot	Citrus	<i>Phytophthora spp.</i>			
6	Late blight	Potato, Tomato	<i>Phytophthora spp.</i>			
7	Damping off	Cole crops	<i>Pythium, Rhizoctonia</i>			
8	Anthracnose	Bean	<i>Collectotrichum spp</i>			
9	Yellow rust	Wheat	<i>Puccinia striiformis</i>			
10	Loose smut	Wheat	<i>Ustilago nuda tritici</i>			
11	Stalk rot	Maize				
12	Bacterial Wilt	Potato, Tomato	<i>Ralstonia solanacearum</i>			
13	Citrus greening	Citrus	<i>Liberibacter asiaticus</i>			

Major Insect Pests :

S.N.	Name of Insect Pests		Crop(s)	Loss Severity-Legends		
				Low	Medium	High
1	Tuta leaf miner		Tomato			
2	White borer	<i>Xylotrechus spp</i>	Coffee			
3	Gandhi bug	<i>Leptocoris sp.</i>	Paddy			
4	Leaf hopper	<i>Cicadella viridis</i>	Paddy (BPH)			
5	Stem Maize borer	<i>Chilo partellus</i>	Maize			
6	Cabbage butterfly	<i>Pieris brassicae nepalensis</i>	Cole crops			
7	White grub	<i>Phyllophaga rugosa</i>	Potato			
8	Aphids	<i>Different spp.</i>	Cole crops			
9	Red ant	<i>Dorilus orientalis</i>	Potato			
10	Beetle	<i>Epilachna spp.</i>	Cucurbts			
11	Fruitfly	<i>Bactocera spp.</i>	Cucurbits			
12	Fall Army Worm	<i>Spodoptera Furgiperda</i>	Maize			
13	citrus	<i>bactrocera spp</i>	fruit fly			
14	Chinese Citrus Fly	<i>Bactrocera Minax</i>				

Major Weeds :

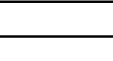
S.N.	Name of Weeds	Crop(s) to be hampered	Loss Severity-Legends		
			Low	Medium	High
1	Dubo <i>Cynodon dactylon</i>	Wheat			
2	Thokre <i>Phalaris minor</i>	Wheat			
3	Gandhe <i>Aegeratum conyzoides</i>	Cereals			
4	Mothe <i>Cyperus rotundus</i>	Wheat			



7. Kaski District Major Crop Diseases :

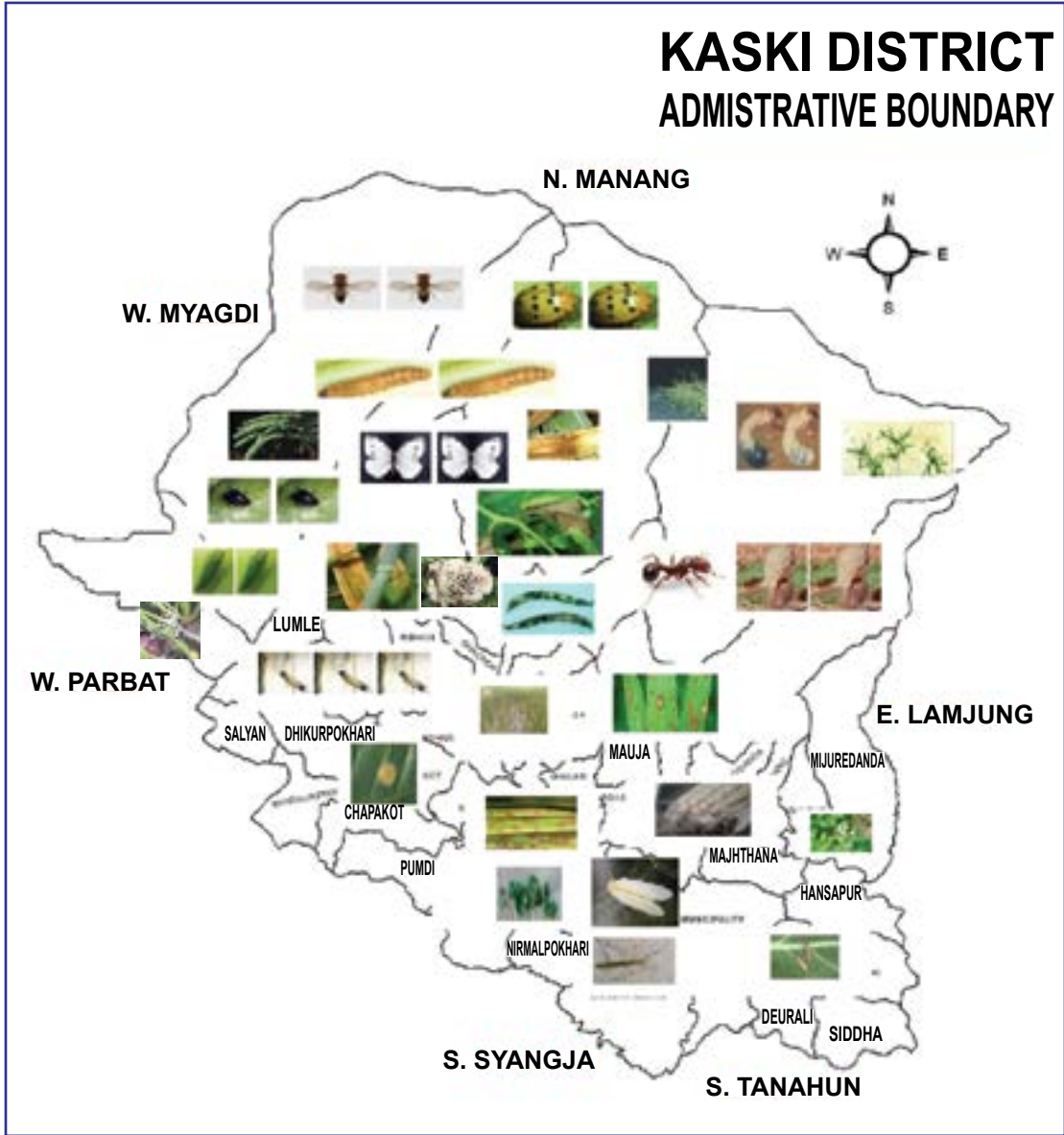
S.N.	Name of Diseases	Crop (s)	Cause	Disease Severity-Legends		
				Low	Medium	High
1	Coffee rust	Coffee	<i>Hemileia vastatrix</i>			
2	Blast disease	Paddy	<i>Pyricularia oratoria</i>			
3	Khaira disease	Paddy	<i>Zinc deficiency</i>			
4	Brown leafspot	Paddy	<i>Helminthosporium sp.</i>			
5	Bacterial wilt	Tomato	<i>Pseudomas spp.</i>			
6	Citrus greening	Mandarin orange	<i>Liberibacter asiaticum</i>			
7	Root/Foot rot	Citrus ,Brinjal	<i>Phytophthora spp.</i>			
8	Late blight	Potato,Tomato	<i>Phytophthora spp.</i>			
9	Damping off	Cole crops	<i>Pythium, Rhizoctonia</i>			
10	Anthraxnose	Bean	<i>Collectotrichum spp</i>			
11	Powdery mildew	Citrus,Cucurbits	<i>Erysph cichorocearum</i>			
12	Downy mildew	Cucurbits	<i>Pseudperonospora cubensis</i>			
13	Yellow rust	Wheat	<i>Puccinia striformis</i>			
14	Loose smut	Wheat	<i>Ustilago nuda tritici</i>			
15	Stalk rot	Maize	<i>Pythium, Fusarium</i>			
16	Virus	Tomato,Cucumber	<i>TMV,CMV</i>			
17	Nematode	Tomato	<i>Meloidogyne</i>			
18	Black rot	Cole crops	<i>Xanthomonas campestris</i>			
19	Sclerotinia rot	Cole crops	<i>Sclerotinia sclerotiorum</i>			
20	Citrus greening	Citrus	<i>Liberibacter asiaticus</i>			
21	Sheath blight	Tomato stem rot				
22	Leaf Steak	Large Cardomo	<i>Pestalotiopsis Royene</i>			
24	Rhizome Rot	Large Cordonom	<i>Pythium Vexans</i>			

Major Insect Pests :

S.N.	Name of Insect Pests		Crop(s)	Loss Severity-Legends		
				Low	Medium	High
1	Tuta leaf miner	<i>Tuta asbsoluta</i>	Tomato			
2	White fly	<i>Bemisia tabaci</i>	Tomato, Cucurbit			
2	DBM	<i>Plutella xylostella</i>	Cole crops			
4	Nematode		Tomato			
5	White borer	<i>Xylotrechus spp</i>	Coffee			
6	Gandhi bug	<i>Leptocoris sp.</i>	Paddy			
7	Leaf hopper	<i>Cicadella viridis</i>	Paddy			
8	Maize borer	<i>Chilo partellus</i>	Maize			
9	Cabbage butterfly	<i>Pieris brassicae nepalensis</i>	Cole crops			
10	White grub	<i>Phyllophaga rugosa</i>	Potato			
11	Aphids	<i>Different spp.</i>	Cole crop Cucumber			
12	Red ant	<i>Dorilus orientalis</i>	Potato,Vegetables			
13	Beetle	<i>Epilachna spp.</i>	Cucurbits			
14	Fruitfly	<i>Bactocera spp.</i>	Cucurbit,s Tomato			
15	Hopper	<i>Empoasca lybica</i>	Okra			
16	Shoot and fruit borer	<i>Leucinoides orbanalis</i>	Brinjal			
17	Fall Army Worm	<i>Spodoptera Furgiperda</i>	Maize			
18	coffee stem borer	<i>litchii nite</i>	<i>Litchii</i>			

Major Weeds :

S.N.	Name of Weeds		Crop(s) to be hampered	Loss Severity-Legends		
				Low	Medium	High
1	Dubo	<i>Cynodon dactylon</i>	Wheat			
2	Thokre	<i>Phalaris minor</i>	Wheat			
3	Gandhe	<i>Aegeratum conyzoides</i>	Cereals			
4	Mothe	<i>Cyperus rotundus</i>	Wheat			



8. Myagdi District

Major Crop Diseases :

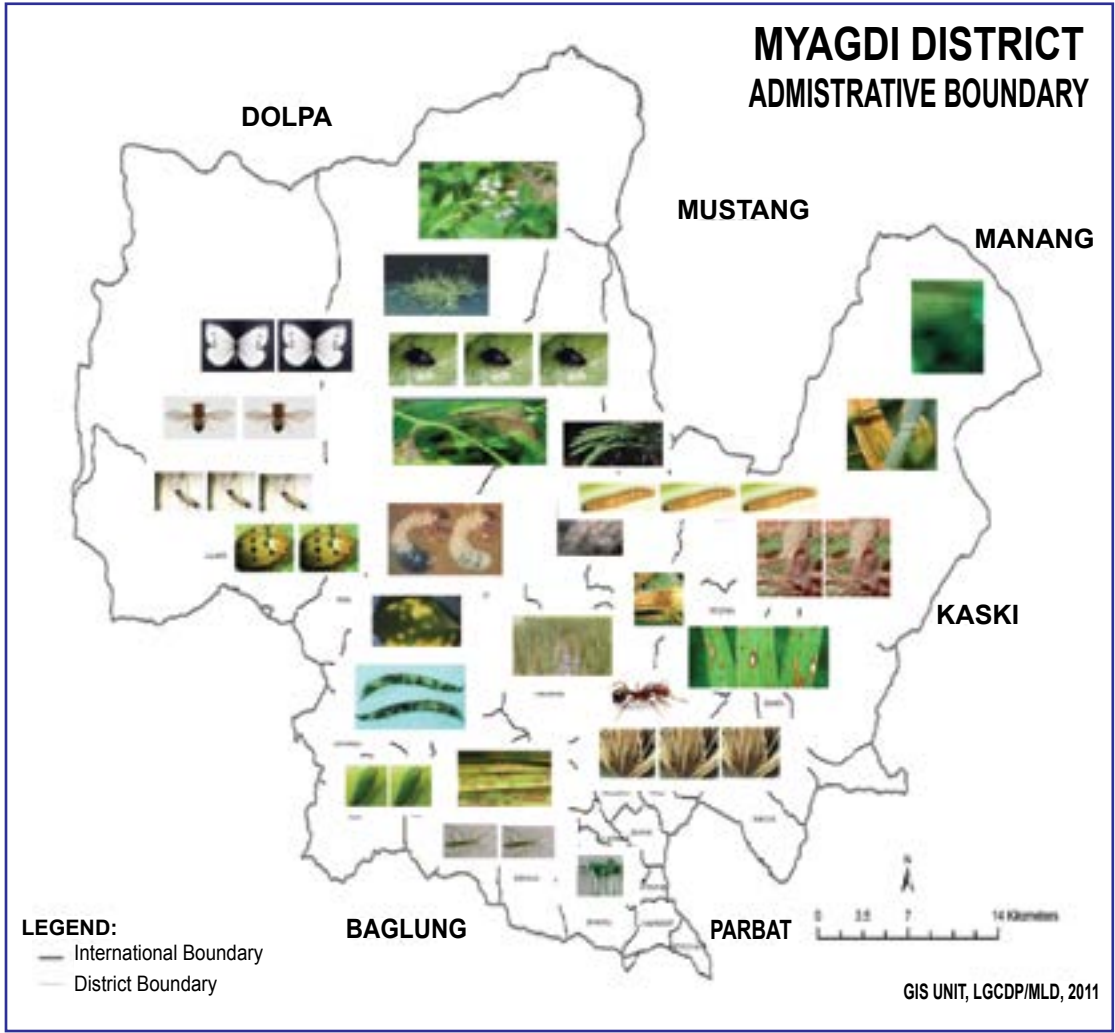
S.N.	Name of Diseases	Crop(s)	Cause	Disease Severity-Legends		
				Low	Medium	High
1	Foot rot	Paddy	<i>Fusarium moniliforme</i>			
2	Blast disease	Paddy	<i>Pyricularia oratoria</i>			
3	Khaira disease	Paddy	<i>Zinc deficiency</i>			
4	Brown leaf spot	Paddy	<i>Helminthosporium sp.</i>			
6	Cob rot	Maize	<i>Diplodia, Fusarium</i>			
4	Root/Foot rot	Citrus	<i>Phytophthora spp.</i>			
5	Canker	Citrus	<i>Xanthomonas citri</i>			
6	Late blight	Potato/ Tomato	<i>Phytophthora spp.</i>			
7	Damping off	Cole crops	<i>Pythium, Rhizoctonia</i>			
8	Anthracnose	Bean	<i>Collectotrichum spp</i>			
9	Yellow rust	Wheat	<i>Puccinia striformis</i>			
10	Loose smut	Wheat	<i>Ustilago nuda tritici</i>			
11	Stalk rot	Maize	<i>Pythium, Fusarium</i>			
12	Citrus greening	Citrus	<i>Liberibacter Asiaticus</i>			
13	Wart	Potato	<i>Synchythrum Cndobioticum</i>			

Major Insect Pests :

S.N.	Name of Insect Pests		Crop(s)	Loss Severity-Legends		
				Low	Medium	High
1	White borer	<i>Xylotrechus spp</i>	Coffee			
2	Gandhi bug	<i>Leptocorisa sp.</i>	Paddy			
4	Maize borer	<i>Chilo partellus</i>	Maize			
5	Cabbage butterfly	<i>Pieris b. nepalensis</i>	Cole crops			
6	White grub	<i>Phyllophaga rugosa</i>	Potato			
7	Aphids	<i>Different spp.</i>	Cole crops			
8	Red ant	<i>Dorilus orientalis</i>	Potato			
9	Beetle	<i>Epilachna spp.</i>	Cucurbits			
10	Fruitfly	<i>Bactocera spp.</i>	Cucurbits			
11	Fall Army Worm	<i>Spodoptera Furgiperda</i>	Maize			
12	Tomato Leafminer	<i>Tuta Absolute</i>	Tomato			
13	Pod Borer	<i>Maruca Vitrata</i>	Bean			
14	Cabbage Semi-Looper	<i>Thysanoplusia Orichalcea</i>	Beans, Potato			
15	Chinese Citrus Fly	<i>Bactrocera Minax</i>	Citrus			

Major Weeds :

S.N.	Name of Weeds		Crop(s)	Loss Severity-Legends		
				Low	Medium	High
1	Dubo	<i>Cynodon dactylon</i>	Wheat			
2	Thokre	<i>Phalaris minor</i>	Wheat			
3	Gandhe	<i>Aegeratum conyzoides</i>	Cereals			
4	Mothe	<i>Cyperus rotundus</i>	Wheat			



9. Baglung District

Major Crop Diseases :

S.N.	Name of Diseases	Crop(s)	Cause	Disease Severity-Legends		
				Low	Medium	High
1	Foot rot	Paddy	<i>Fusarium moniliforme</i>			
2	Blast disease	Paddy	<i>Pyricularia oratoria</i>			
3	Khaira disease	Paddy	<i>Zinc deficiency</i>			
4	Brown leafspot	Paddy	<i>Helminthosporium sp.</i>			
6	Cob rot	Maize	<i>Diplodia, Fusarium</i>			
4	Root/Foot rot	Citrus	<i>Phytophthora spp.</i>			
5	Canker	Citrus	<i>Xanthomonas citri</i>			
6	Late blight	Potato, Tomato	<i>Phytophthora spp.</i>			
7	Damping off	Cole crops	<i>Pythium, Rhizoctonia</i>			
8	Anthracnose	Bean	<i>Collectotrichum spp</i>			
9	Yellow rust	Wheat	<i>Puccinia striformis</i>			
10	Loose smut	Wheat	<i>Ustilago nuda tritici</i>			
11	Stalk rot	Maize	<i>Pythium, Fusarium</i>			

Major Insect Pests :

S.N.	Name of Insect Pests	Crop(s)	Loss Severity-Legends		
			Low	Medium	High
1	White borer <i>Xylotrechus spp.</i>	Coffee			
2	Gandhi bug <i>Leptocorisa sp.</i>	Paddy			
3	Leaf hopper <i>Cicadella viridis</i>	Paddy			
4	Maize borer <i>Chilo partellus</i>	Maize			
5	Cabbage <i>Pieris b. nepalensis</i>	Cole crops			
6	White grub <i>Phyllophaga rugosa</i>	Potato			
7	Aphids <i>Different spp.</i>	Vegetables			
8	Red ant <i>Dorilus orientalis</i>	Potato			
9	Beetle <i>Epilachna spp.</i>	Cucurbits			
10	Fruitfly <i>Bactocera spp.</i>	Cucurbits			
11	Tuta leaf miner <i>Tuta absoluta</i>	Tomato			
12	Cabbage Semilooper <i>Thysanoplusia Orichalsea</i>	Potato, Beans, Cabbage, Cauliflower			

Major Weeds :

S.N.	Name of Weeds	Crop(s)	Loss Severity-Legends		
			Low	Medium	High
1	Dubo <i>Cynodon dactylon</i>	Wheat			
2	Thokre <i>Phalaris minor</i>	Wheat			
3	Gandhe <i>Aegeratum conyzoides</i>	Cereals			
4	Mothe <i>Cyperus rotundus</i>	Wheat			



10. Parbat District
Major Crop Diseases :

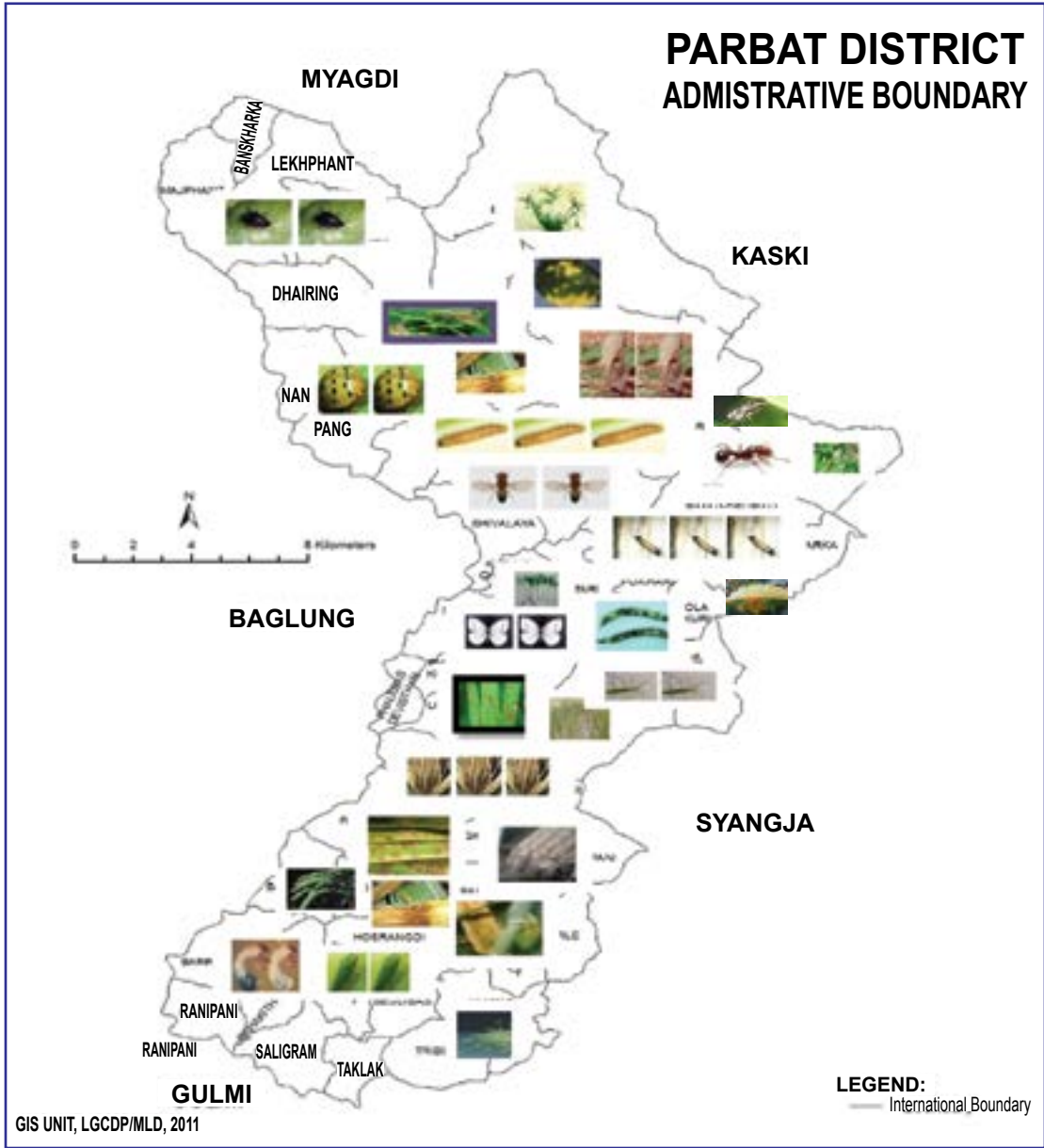
S.N.	Name of Diseases	Crop(s)	Cause	Disease Severity-Legends		
				Low	Medium	High
1	Foot rot	Paddy	<i>Fusarium moniliforme</i>			
2	Blast disease	Paddy	<i>Pyricularia oratoria</i>			
3	Khaira disease	Paddy	<i>Zinc deficiency</i>			
4	Brown leafspot	Paddy	<i>Helminthosporium sp.</i>			
5	Cob rot	Maize	<i>Diplodia, Fusarium</i>			
6	Root/Foot rot	Citrus	<i>Phytophthora spp.</i>			
7	Canker	Citrus	<i>Xanthomonas citri</i>			
8	Late blight	Potato	<i>Phytophthora spp.</i>			
9	Damping off	Cole crops	<i>Pythium, Rhizoctonia</i>			
10	Anthracnose	Bean	<i>Collectotrichum spp</i>			
11	Yellow rust	Wheat	<i>Puccinia striformis</i>			
12	Stalk rot	Maize	<i>Pythium, Fusarium</i>			
13	Citrus greening	Citrus				
14	Coffee rust	Coffee	<i>Hemileia vastatrix</i>			

Major Insect Pests :

S.N.	Name of Insect Pests		Crop(s)	Loss Severity-Legends		
				Low	Medium	High
1	Tuta leaf miner	<i>Tuta absoluta</i>	Tomato			
2	White borer	<i>Xylotrechus spp</i>	Coffee			
3	Gandhi bug	<i>Leptocorisa sp.</i>	Paddy			
4	Leaf hopper	<i>Cicadella viridis</i>	Paddy			
5	Maize borer	<i>Chilo partellus</i>	Maize			
6	Cabbage butterfly	<i>Pieris brassicae nepalensis</i>	Cole crops			
7	White grub	<i>Phyllophaga rugosa</i>	Potato			
8	Aphids	<i>Different spp.</i>	Vegetabes			
9	Red ant	<i>Dorilus orientalis</i>	Potato			
10	Beetle	<i>Epilachna spp.</i>	Cucurbits			
11	Fruitfly	<i>Bactocera spp.</i>	Cucurbits			
12	Bug	<i>Biprorulus Bibax</i>	Citrus			
14	Chinese Citrus Fly	<i>Bactrocera Minax</i>	Citrus			

Major Weeds :

S.N.	Name of Weeds		Crop(s)	Loss Severity-Legends		
				Low	Medium	High
1	Dubo	<i>Cynodon dactylon</i>	Wheat			
2	Thokre	<i>Phalaris minor</i>	Wheat			
3	Gandhe	<i>Aegeratum conyzoides</i>	Cereals			
4	Mothe	<i>Cyperus rotundus</i>	Wheat			
5	Thangnejhar		Cereals			



14. Nawalpur District
Major Crop Diseases :

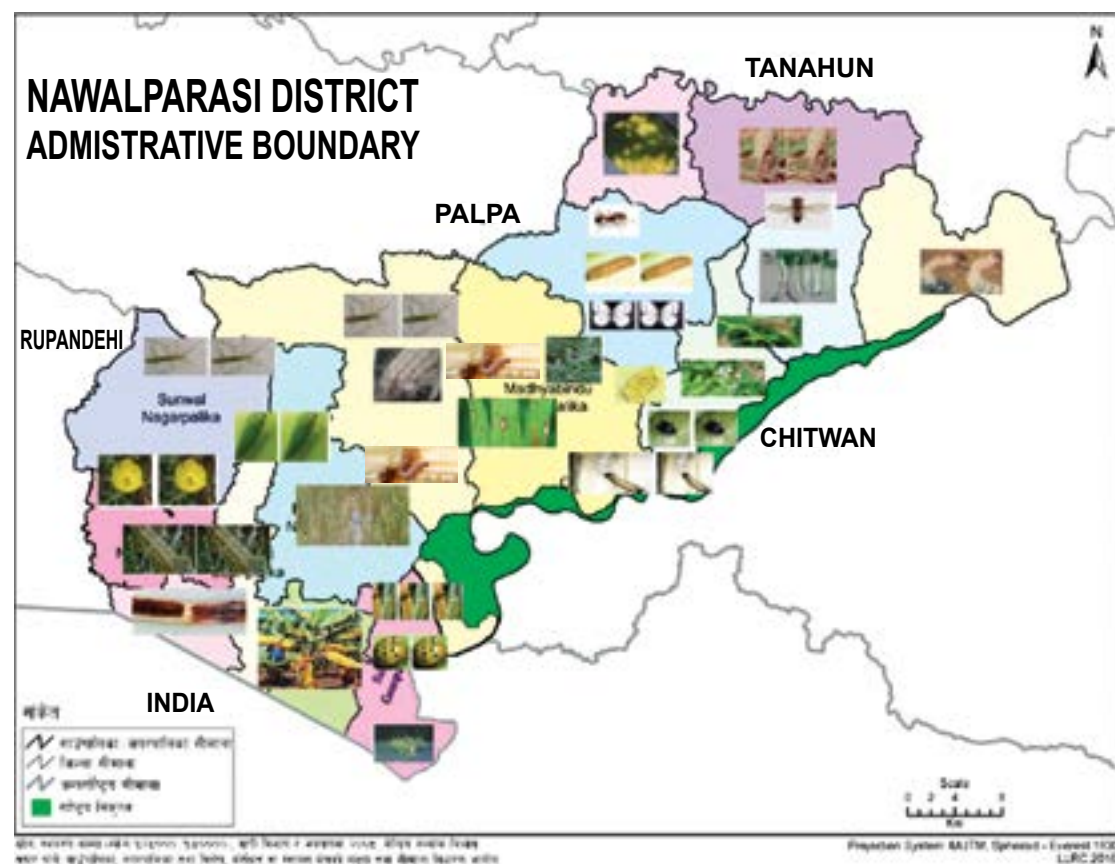
S. N.	Name of Diseases	Crop(s)	Cause	Disease Severity-Legends		
				Low	Medium	High
1	Blast disease	Paddy	<i>Pyricularia oratoria</i>			
2	Khaira disease	Paddy	Zinc deficiency			
3	Leafspot	Mustard	<i>Alternaria brassicae</i>			
4	Cob rot	Maize	<i>Diplodia, Fusarium</i>			
5	Gray leafspot	Maize	<i>Cercospora maydis</i>			
6	Root/Foot rot	Citrus	<i>Phytophthora spp.</i>			
7	Canker	Citrus	<i>Xanthomonas citri</i>			
8	Late blight	Potato	<i>Phytophthora spp.</i>			
9	Damping off	Cole crops	<i>Pythium, Rhizoctonia</i>			
11	Red rot	Sugarcane	<i>Collectotrichum</i>			
12	Yellow rust	Wheat	<i>Puccinia striformis</i>			
13	Panama wilt	Banana	<i>Fusarium spp.</i>			
14	Black Sigatoga	Banana	<i>Mycosphaerella Musicola</i>			

Major Insect Pests :

S. N.	Name of Insect Pests	Crop(s)	Loss Severity-Legends		
			Low	Medium	High
1	White borer <i>Xylotrechus spp.</i>	Coffee			
2	Gandhi bug <i>Leptocorisa sp.</i>	Paddy			
4	Maize borer <i>Chilo partellus</i>	Maize			
5	Cabbage Butterfly <i>Pieris b. nepalensis</i>	Cole crops			
6	White grub <i>Phyllophaga rugosa</i>	Potato			
7	Aphids <i>Aphis spp.</i>	Legume			
8	Red ant <i>Dorilus orientalis</i>	Potato			
9	Beetle <i>Epilachna spp.</i>	Cucurbits			
10	Fruitfly <i>Bactocera spp.</i>	Cucurbts			
11	Armyworm <i>Spodoptera Sp</i>	Maize			
12	Nematode <i>Meloidogynea Spp</i>	Tomato			

Major Weeds :

S. N.	Name of Weeds	Crop(s)	Loss Severity-Legends		
			Low	Medium	High
1	Dubo <i>Cynodon dactylon</i>	Wheat			
3	Gandhe <i>Ageratum conyzoides</i>	Cereals			
4	Argemone <i>Argemone maxicana</i>	Oilseeds			
5	Bethe <i>Chenopodium album</i>	Cereals			



References:

1. PPL, Gandaki Province Pest Map (FY 2077/078).
2. Annual Reports of Concerned Agriculture Knowledge Centre.
3. Official Records of Plant Protection Laboratory (PPL), Pokhara, Kaski.
4. Travel Reports and Field Observations.
5. Presentation Reports of Concerned AKCs in Plant Protection workshop.