

Pests list of MAPs

**Pest Survey and Surveillance for Exportable MAPs
(Attees, Satavar, Indreni, Bisma, Bia Bidang, Kaladana)
of Nepal**

Pests list of six MAPs

List of diseases of Attees

SN	Pest category	Scientific Name	Common name	Plants' Parts affected	Location	Secondary Source
1	Fungi	<i>Sclerotium spp</i>	Crown rot	Whole plant	Dolpa	No
2	Fungi	<i>Alternaria spp</i>	Leaf Blight	Whole plant	Dolpa	No

Insect of Attees

SN	Pest Category	Scientific Name of pest	Common name of pest	Plants parts affected	Location	Secondary Source
1	Insect	<i>Epilachna</i>	Epilachna beetle	Leaf	Gorkha	No
2	Insect	<i>Halyomorpha</i>	Pentatomid bug	Leaf, stem	Gorkha	No
3	Insect	<i>Clavigralla</i>	Legume bug	seed	Gorkha	No

List of diseases of Wild asparagus

SN	Pest category	Scientific Name	Common name	Parts affected	Location	Secondary Source
1	Fungi	<i>Fusarium solani</i>	Fusarium root rot	Root, Whole plant	Banke	National pest records of Nepal
2	Fungi	<i>Fusarium oxysporum</i>	Fusarium wilt	Branch with Leaf, Stem	Sarlahi, Banke, Kailali	National pest records of Nepal
3	Fungi	<i>Rhizoctonia solani</i>	Root rot	Root	Banke, Salyan	No
4	Fungi	<i>Colletotrichum lindemuthianum</i>	Anthracnose/ Black spot	Whole plant	Banke	National pest records of Nepal
5	Fungi	<i>Bipolaris spp.</i>	Leaf spot	Leaf and stem	Banke	National pest records of Nepal
6	Fungi	<i>Alternaria alternata</i>	Brown spot	Whole Plant	Kailali, Banke	National pest records of Nepal

SN	Pest category	Scientific Name	Common name	Parts affected	Location	Secondary Source
7	Fungi	<i>Fusarium spp.</i>	Fusarium root rot and leaf spot	Leaf, root	Banke	National pest records of Nepal
8	Bacteria	<i>Pectobacterium carotovorum</i>	Bacterial soft rot	Root	Banke	National pest records of Nepal

List of insect pests of Wild asparagus

SN	Pest category	Scientific name	Common name	Plants' parts affected	Location	Secondary Source
1	Insect	<i>Pachliopta aristolochiae</i>	Swallowtail butterfly	Leaf	Banke, Sarlahi	No
2	Insect	<i>Euploea core</i>	Common crow	Leaf	Banke	No
3	Insect	<i>Danaus chrysippus</i>	Plain tiger	leaf, young shoot	Banke, Sarlahi	No
4	Insect	<i>Monolepta signata</i>	Flea beetle	Leaf, root	Banke	No
5	Insect	<i>Cricoceris asparagi</i>	Wild asparagus beetle	leaf, tender shoot, stem	Banke	National pest records of Nepal
6	Insect	<i>Cletus sp.</i>	Horned coreid bug	Tender shoot	Banke	National pest records of Nepal
7	Insect	<i>Riptortus spp.</i>	Legume pod bug	Tender leaf and shoot	Banke	No
8	Insect	<i>Aulacophora spp.</i>	Red pumpkin beetle	Leaf, stem, root, flower	Banke	No
9	Insect	<i>Nacerdes sp.</i>	Stem borer	-	Banke	No

List of diseases of Indreni

SN	Pest category	Scientific name	Common name	Parts affected	Location	Secondary Source
1	Fungi	<i>Podosphaera xanthii</i>	Powdery mildew	Fruit	Dhading	No
2	Fungi	<i>Colletotrichum spp.</i>	Anthracnose	Fruit	Dhading	No
3	Fungi	<i>Fusarium spp.</i>	Fusarium root rot	Root	Dhading	No
4	Fungi	<i>Bipolaris spp.</i>	Leaf Blight	Leaf	Salyan	No
5	Fungi	<i>Botrytis cinera</i>	Grey mold	Fruit	Dhading	No
6	Fungi	<i>Alternaria spp.</i>	Alternaria leaf spot	Leaf	Salyan	No
7	Fungi	<i>Capnodium.spp</i>	Sooty mold	Leaf	Dhading	No

List of insects of Indreni

SN	Pest category	Scientific name	Common name	Parts affected	Location	Secondary Source
1	Insect	<i>Syntomoides imaon</i>	Syntomid fly	Leaf	Pyuthan	No
2	Insect	<i>Cletus spp.</i>	Horned coreid bug	Leaf	Pyuthan	No

List of diseases of Bisma

SN	Pest category	Scientific name	Common name	Parts affected	Location	Source
1	Fungi	<i>Alternaria spp.</i>	Leaf blight	Leaf and stem	Dolpa	No
2	Fungi	<i>Fusarium spp.</i>	Fusarium stem rot	Leaf and stem, Root	Jumla	No

List of diseases of Bia bidang

SN	Pest category	Scientific name	Common name	Parts affected	Location	Source
1	Fungi	<i>Alternaria alternata</i>	Alternaria leaf spot	Leaf and stem	Pyuthan, Rolpa	No

List of insects of Bia bidang

SN	Pest category	Scientific name	Common name	Parts affected	Location	Secondary Source
1	Insect	<i>Agriotes</i> spp.	Click beetle	Roots and stem	Pyuthan	No

List of diseases of Kaladana

SN	Pest category	Scientific name	Common name	Parts affected	Location	Secondary Source
1	Fungi	<i>Alternaria</i> spp.	Alternaria leaf spot and blight	Leaf	Salyan	No
2	Fungi	<i>Fusarium</i> spp.	Fusarium root and stem rot	Leaf	Salyan	No

List of insects of Kaladana

SN	Pest category	Scientific name	Common name	Parts affected	Location	Secondary Source
1	Insect	<i>Dysdercus</i> spp.	Red cotton bug	Leaf	Salyan	No
2	Insect	<i>Stiberia tetraspilota</i>	Long horned beetle/ Stem borer	Stem	Salyan	No

List of weeds

List of weeds of Attees

S N	Name of Weed	Local Name	Scientific Name	Family	Stage of Infestation	Type of Damage	Geographical Location	Altitude (m)	Habit
1	Pearly everlasting	Bukki	<i>Anaphalis</i> sp.	Asteraceae	Vegatative, reproductive	competition	Thuliveri-6, Dolpa	3300	Herb
2	Wallich geranium	Raklamul	<i>Geranium wallichianum</i>	Ranunculaceae	Vegatative, reproductive	competition	Thuliveri-6, Dolpa	3400	Herb
3	Wallich geranium	Raklamul	<i>Geranium wallichianum</i>	Ranunculaceae	Vegatative, reproductive	competition	Guthichaur-5, Jumla	2187.5	Herb
4	Mock strawberry	Bhui kaphal	<i>Potentilla</i> sp.	Rosaceae	vegetative, reproductive	competition	Guthichaur-5, Jumla	2187.5	Herb

List of weeds of Asparagus

S N	Name of Weed	Local Name	Scientific Name	Family	Stage of Infestation	Type of Damage	Geographical Location	Altitude (m)	Ha bit
1	Chaff flower	Dattiwan	<i>Achyranthes aspera</i>	Amaranthacea e	Vegetative, reproductive	Competition	Jokaltal-7, Dhangadi	164.7	Her b
2	Fern	Unyu	<i>Nephrolepis biserrata</i>	Nephrolepidac eae	Vegetative, reproductive	Competition	Jokaltal-7, Dhangadi	164.7	Her b
3	Wild ginger		<i>Asarum</i> sp.	Aristolochiace ae	Vegetative, reproductive	Competition	Jokaltal-7, Dhangadi	164.7	vine
4	Cotton thistle		<i>Cirsium arvense</i>	Compositae	Vegetative, reproductive	Competition	Mohanpur, Banke	130.4	Her b
5	Chaff flower	Dattiwan	<i>Achyranthes aspera</i>	Amaranthacea e	Vegetative, reproductive	Competition	Mohanpur, Banke	130.4	Her b
6	Climbing fern		<i>Lygodium</i> sp.	Lygodiaceae	Vegetative, reproductive	Competition	Dhakeri, Banke	149.0	vine

List of weeds of indreni

S N	Name of Weed	Local Name	Scientific Name	Family	Stage of Infestation	Type of Damage	Geographical Location	Altitude (m)	Habit
1	Bamboo grass	Damsaru	<i>Pogonatherum panicium</i>	Poaceae	vegetative, reproductive	competition	Galchhi-6, Dhading	1150	Grass
2	Sessile joyweed	Bhiringi jhar	<i>Alternanthera sessilis</i>	Euphorbiaceae	vegetative, reproductive	competition	Galchhi-6, Dhading	1150	Herb
3	Bamboo grass	Fullsaru	<i>Pogonatherum crinitum</i>	Poaceae	vegetative, reproductive	competition	Galchhi-6, Dhading	1150	Grass
4	Leafy Meadow Rue	Dampate	<i>Thalictrum foliolosum</i>	Ranunculaceae	vegetative, reproductive	competition	Galchhi-6, Dhading	1150	Herb

List of weeds of Bishma

S N	Name of Weed	Local Name	Scientific Name	Family	Stage of Infestation	Type of Damage	Geographical Location	Altitude (m)	Habit
1	Pearly everlasting	Bukki	<i>Anaphalis</i> sp.	Asteraceae	Vegatative, reproductive	competition	Thuliveri-6, Dolpa	3300	Herb
2	Wallich geranium	Raklamul	<i>Geranium wallichianum</i>	Ranunculaceae	Vegatative, reproductive	competition	Thuliveri-6, Dolpa	3400	Herb
4	Wallich geranium	Raklamul	<i>Geranium wallichianum</i>	Ranunculaceae	Vegatative, reproductive	competition	Gutthichaur-5, Jumla	2187.5	Herb
5	Mock strawberry	Bhui kaphal	<i>Potentilla</i> sp.	Rosaceae	vegetative, reproductive	competition	Guthichaur-5, Jumla	2187.5	Herb

List of weeds of Bia-Bidang

S N	Name of Weed	Local Name	Scientific Name	Family	Stage of Infestation	Type of Damage	Geographical Location	Altitude (m)
1	Creeping moss		<i>Vesicularia</i> sp.	Hypnaceae	vegetative, reproductive	competition	Jhuleni-6, Pyuthan	1855, 2020
4	Fern	Unnyu	<i>Dryopteris</i> sp.	Dryopteridaceae	vegetative, reproductive	competition	Rungtigadi-4, Rolpa	1870.0

List of weeds of Kaladana

S N	Name of Weed	Local Name	Scientific Name	Family	Stage of Infestation	Type of Damage	Geographical Location	Altitude (m)
38	Joepye weed	Banmara	<i>Ageratina adenophora</i>	Asteraceae	Vegetative, reproductive	competition	Kapurkot-3	1492.9
4	Fern	Unnyu	<i>Dryopteris</i> sp.	Dryopteridaceae	vegetative, reproductive	competition	Kapurkot-3	1492.9

References

Field survey and surveillance 2021 to 2022

Plant, N., & Program, Q. (2015). *Pest list of five highly traded medicinal.*