

Maintenance of

Biodiversity Register

S.No.	Location	Scientific Name of plant	Family	Status			Use	
				Local Name	Rare	Endangered		Threatened
1)	college campus	Azadirachta indica	Meliaceae	Nleem				Fungal infections
		Acacia nilotica	Fabaceae	Babul				Tanning in dyes
		Dalbergia sisso	Fabaceae	Sisam				Intestinal parasite
		Samanea saman	Fabaceae	Pazanya Vayukh				stomach cancer
		Caesalpinia pulcherrima	caesalpinaceae	shankasur				Relieve fever
		Ficus benjamina	Moraceae	Nandsukh				skin disorders
		Albizia lebbek	Fabaceae					Lung problems
		Lantana Camera	Verbanaceae	Ghaneri				Asthma & ulcers
		Delonix regia	Caesalpinaceae	Gulmohar				Piles & boils
		Tinospora Cordifolia	Menispermaceae	Gulvel				Cancer & jaundice
		Terminalia chebula	Combretaceae	Hirda				Dysentery
		Tamarix indica	Fabaceae	Chinch				Wound healing
		Heterophyllum Roxburghii	Bignoniaceae	Waras				anti-inflammatory
		Polyalthia longifolia	Annonaceae	Ashoka				helminthiasis
		Terminalia catappa	Combretaceae	Badam				Scabies
		Ficus religiosa	Moraceae	Pipal				asthma & diabetes
		Ficus benghalensis	Moraceae	Vaad				vomiting & fever
		Ficus glomerata	Moraceae	Umbel				gums & ulcers
		Corus nucifera	Arecaceae	Naral				antipyretic & diuretic
		Mangifera indica	Anacardiaceae	Mango				stomachic & tonic
		Cathartanthus roseus	Apocynaceae	Saadafuli				Muscle pain
		Psidium guava	Myrtaceae	Peru				caries & pain relief
		Punica granatum	Myrtaceae	Dalimb				dysentery & diarrhea
		Calotropis gigantea	Asclepiadaceae	Rui				Snake bite
		Santalum album	Santalaceae	Chandan				bronchitis & fever
		Eugenia Jambolana	Myrtaceae	Jambhul				Diabetes
		Annona Squamosa	Annonaceae	Sitaphal				antibacterial
		Murraya Koenigii	Rutaceae	Kadhi patta				itching & bruises
		Nyctanthes arbor terrestris	Oleaceae	Katesavar				Antipyretic
		Epipremnum aureum	Araceae	Money plant				anti-termite
		Pongamia Pinnata	Fabaceae	Koranj				skin diseases
		Singapore Cherry	Muntingiaceae	Cherry				antiseptic
		Citrus SPS	Rutaceae	Lemon				Meniere's disease
		Aloe vera	Asphodelaceae	Korphan				treat sunburn

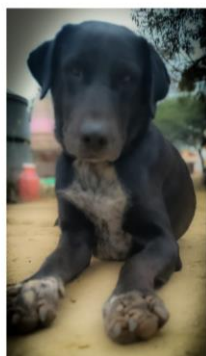
Sr No	Location	Scientific Name of Plant	Family	Local Name	Status			Use
					Rare	Endangered	Threatened	
		Ocimum nuiflorum	Lamiaceae	Tulas				Cough & Asthma
		Mentha viridis	Lamiaceae	Pudina				Digestive disorder
		Cymbopogon Citratus	Poaceae	Govatigaha				Nervous disorder
		Duranta erecta	Verbenaceae	Nilkanta				Insect repellent
		Ziziphus jujuba	Rhamnaceae	Bor				Enhance liver health
		Cryptostegia grandiflora	Apocynaceae	Kavil				Antimicrobial
		Plumeria alba	Apocynaceae	Chapha				Blood disorder, tan
		Ficus microcarpa	Moraceae	Mulberry				Toothache
		Eucalyptus Pauciflora	Myrtaceae	Nilgiri				Throat infections
		Embllica officinalis	Euphorbiaceae	Avala				Gastroprotective
		Bryophyllum Calycinum	Crassulaceae	Panphuti				Dissolve Kidney stones
		Rosa indica	Rosaceae	Gulab				Leukoderma
		Leucaena leucocephala	Mimaceae	Sababhal				Stomach diseases
		Bougainvillea Spectabilis	Nyctaginaceae	Kagadi Phul				Anticancer & Ulcer
		Cycas revoluta	Cycadaceae	Cycas				High blood pressure
		Moringa Oleifera	Moringaceae	Shewaga				Anemia, Asthma
		Ravastanea regia O.F. Cook	Azarcaceae	Bottle Palm				Ornamental plant
		Bauhinia racemosa Lam.	Fabaceae	Aapata				Ulcer, Fever
		Ficus religiosa	Moraceae	Golden Pimple				Skin diseases
		Hydrila sp. verticillata	Hydrocharitaceae					Improve digestion
		Dieffenbachia picta	Araceae	Dumb cane				Ornamental
		Loranthus micranthus	Loranthaceae	Band gul				High blood pressure
		Canoe indica	Canaceae	Kardal				Menstrual pains
		Typha angustifolia	Typhaceae	Pankonis				used in Leprosy
		Bahunia variegata	Fabaceae	Kanchan				Nephroprotective
	Autevadi	Cuscuta leptoxa	Cuscutaceae	Amarvel				Urination disorder
		Hyptis suaveolens	Lamiaceae	Rantulus				Gastric Ulcer
		Lantana camara	Verbinaceae	Ahaneri				Chicken pox, Ulcer
		Cyperus iria	Cyperaceae	Lakhala				Stimulant, tonic
		Tidax procumbens	Asteraceae	Ekdandi				Wound Healing
		Prosopis juliflora	Mimosaceae	Yeli bakhul				Anticancer
		Solanum torvum	Solanaceae	Ronvange				Cardio protection
		Parthenium hysterophorus	Asteraceae	Gajar gawat				Urinary tract infection

Sr No.	Location	Scientific Name of Plant	Family
		Xanthium indicum Koenig	Asteraceae
		Euphorbia hirta L.	Euphorbiaceae
		Cassia tora L.	Caesalpinaceae
		Celosia argentea L.	Amaranthaceae
		Cleome viscosa L.	Capparidaceae
		Cuscuta chinensis Lam	Cuscutaceae
		Datura innoxia Mill	Solanaceae
Adhalgaon		Datura innoxia Mill	Solanaceae
		Hyptis suaveolens (L) Poit.	Lamiaceae
		Lantana Camara L.	Verbinaceae
		Malvastrum Caramandelianum	Malvaceae
		Parthenium hysterophorus L.	Asteraceae
		Prosopis juliflora DC.	Mimosaceae
		Solanum torvum Sw.	Solanaceae
		Tridax procumbens	Asteraceae
		Xanthium indicum Koenig	Asteraceae
		Euphorbia hirta L.	Euphorbiaceae
		Cassia tora L.	Caesalpinaceae
		Celosia argentea L.	Amaranthaceae
		Cleome viscosa L.	Capparidaceae
		Cuscuta chinensis Lam	Cuscutaceae
		Cuscuta reflexa Roxb.	Cuscutaceae
Ghodegaon		Tinospora cordifolia	Menispermaceae
		Asparagus racemosus	Liliaceae
		Ocimum sanctum L.	Lamiaceae
		Aloe vera L.	Liliaceae
		Andropogon citratus	Poaceae
		Coffea arabica L.	Rubiaceae
		Datura innoxia Mill	Solanaceae
		Mimosa pudica L.	Mimosaceae
		Eclipta erecta L.	Asteraceae
		Eclipta alba Hassk.	Asteraceae

Local Name	Status			Use
	Rare	Endangered	Threatened	
Landga				Respiratory allergies
Dudhani				gonorrhea
Tarwat				ringworm
Kombada				hypertension
Tilwan				malaria
Amarwel				upbradisiac
Dhotara				treating fever
Dhotara				Hypnotic
Rantulas				Gastric ulcers
Tantani				chicken pox
—				Antibacterial
Gajar gawat				Dysentery
Yedi Babhul				Anticancer
Ranvange				cardioprotective
Ekdandi				wound healing
Landaga				Allergies
Dudhani				Gonorrhea
Tarwat				Ringworm
Kombada				Hypertension
Tilwan				malaria
Amarwel				Apuradiasthic
Amarwel				Antidiabetic
Gulwel				constipation
Shatavari				Anti stress
Holy basil				Heals burns
Korphad.				Nervous disorder
Gavati chaha				Influenza
Kofy				Fever
Dhotara				Fistula
Lajalu				Antiseptic
Maka				Febrifuge
Maka				Emetic

Biodiversity Register





① Dysdercus cingulatus Taken on: 8 Jan 2021 Friday 15:28

Classification -
 Kingdom - Animalia
 Phylum - Arthropoda
 Class - Insecta
 Order - Hemiptera
 Family - Pyrrhocoridae
 Genus - Dysdercus
 Species - D. cingulatus D. koenigii

Description -
Dysdercus cingulatus grows to a length of 12-18 mm. It's mainly red but has a white collar & three black spots.

Distribution -
D. cingulatus occurs in Shrigonda

Host Plants -
 * D. cingulatus feed on crop plant cotton (Gossypium).
 - Cotton is the most economically important natural fiber material in the world. In particular, the cotton stainer Dysdercus spp. (Heteroptera: Pyrrhocoridae) cause serious damage by feeding on developing cotton bolls & ripe cotton seeds & transmitting fungi that develop on the immature lint & seeds. Among various Dysdercus spp. D. cingulatus (Fabricius) is the most serious pest species of cotton plants.
 * Dysdercus cingulatus is commonly known as the red stainer or red cotton bug.

② Euthalia aconthea (caterpillar) 6 Mar 2021
 Common Baron

Classification -
 Kingdom - Animalia
 Phylum - Arthropoda
 Class - Insecta
 Order - Lepidoptera
 Family - Nymphalidae
 Genus - Euthalia
 Species - E. aconthea

Caterpillar host plant - Mango (Mangifera indica)

* E. aconthea, the common baron, often called simply baron.
 - The pupa is green & quadrangular & found especially on mango where it is sometimes treated as a minor pest.

* Caterpillars cause considerable damage to mango tree.
 - There are five instar stages
 - Caterpillars of this butterfly while feeding on the mango trees took about 24-32 days to develop from first instar to mature larva.
 - Larvae defoliate mango plants, reduce their vigour.

③ Agrius convolvuli Taken on - 5 Feb 2021

Scientific classification -
 Kingdom - Animalia
 Phylum - Arthropoda
 Class - Insecta
 Order - Lepidoptera
 Family - Sphingidae
 Genus - Agrius
 Species - A. convolvuli

Description -
 This hawkmoth's colour is grayish tone. Abdomen is broad gray.

Host plant -
 It can pest of cultivated Ipomoea batatas (sweet potato).
 - Convolvulus avensis
 - Its caterpillars eat the leaves of the convolvulus hence its Latin name "convolvuli".

④ Papilio demoleus 26 March 2021
 Lime: Citrus butterfly caterpillar - Swallowtail butterfly.

Classification -
 Kingdom - Animalia
 Phylum - Arthropoda
 Class - Insecta
 Order - Lepidoptera
 Family - Papilionidae
 Genus - Papilio
 Species - P. demoleus

Description -
 Swallowtail butterfly caterpillar. Early instar birds-dropping caterpillar.

Food plant -
 The larval food plants of P. demoleus are from family Rutaceae.
 Family Rutaceae -
 Lemon plant (Citrus aurantiifolia).

Result & discussion →

These are ^{no. of} ~~some~~ plant pests which feed on Agricultural plants.

We studied two plant pest & their host plant are given in the table.

Table → List of plant pest their host plant & Pests common name.

1) Name of Plant Pest.	Common name Host plant	Host plant. common name
① <u>Dysdercus cingulatus</u>		Cotton (<i>Gossypium</i>)
② <u>Halyomorpha halys</u>	Brown marmorated stink bug	Grape, tomato, corn
③ <u>Mythimna separata</u>	The armyworm	Zeal mays (maize)
④ <u>Nezara viridula</u>	Green vegetable bug / southern green shield bug	Soyabean / green vegetable plant
⑤ <u>Agnus convolvuli</u>	convolvuli	Sweet potato
⑥ <u>Euthalia avaritia</u>	Common Baron	Mango (<i>Mangifera indica</i>)
⑦ <u>Papilio demoleus</u>	Citrus butterfly / caterpillar / swallowtail butterfly	Lemon Plant (<i>Citrus aurantiifolia</i>)
⑧ green butterfly <u>Danaus gilippus</u>	green butterfly (caterpillar)	<i>Calotropis procera</i>
⑨ <u>Leptocorisa oratorum</u>		Rice Plant.
⑩ <u>Cydia pomonella</u>	Codling moth.	Apple fruit