

NATURE FLUTTERS ITS SMILE AND COLORS THROUGH THESE  
JEWELLED WINGS

# BUTTERFLIES OF PITHORAGARH, UTTARAKHAND

.....

A HANDBOOK ON 75 SPECIES



BY POOJA PANT & CHANDAN KUMAR

## ABOUT THE BOOK



The handbook, curated under the aegis of Mrs Pooja Pant and Mr. Chandan Kumar, is an effort to inculcate a sense of respect and indebtedness we feel towards nature. It is high time we put incredible effort to conserve every element nature is composed of. With a steep rise in deforestation and ever scaling pollution, the threat looms large over many species of the nature, let alone butterflies. There is no gainsaying the fact that the existence of butterflies would be a thing of past for want of larval host plants. It is only by instilling awareness among the locals, especially children, will we be able to conserve our biodiversity. Disseminating information through this handbook, we encourage people from different strata to come forward to aid the process of conservation and awareness programmes across globe. The images used in this handbook are captured during field works spanning over a period of time, without posing any harm to them.

# ABOUT THE VILLAGERS FOUNDATION

[www.thevillagersfoundation.org](http://www.thevillagersfoundation.org)

Registered under Indian Trusts Act, 1882, The Villagers Foundation is an NGO which aims at working in the field of Rural Upliftment, Experiential Child Learning, Women Empowerment and Environment Conservation.

## OUR ONGOING DRIVES

### A HANDFUL HELP

Through this sustainable drive, We urge people to donate under-utilized urban materials like clothes, a pair of shoes, books, children's toys or anything deemed useful for those in dire need.

### GREEN FOOTPRINT

An initiative to keep the treks and trails in different parts of India clean and pollutant free.

### JAAGO MOHAN PYAARE

An initiative started by us to ensure collection of all kinds of electronic waste till it reaches straight to recyclers leaving zero footprint on landfills.

# **FOLLOW OUR UPDATES**

The Villagers Foundation, since its inception, has been unparallelly backed by people behind it, whether it be participation in any form or building resources as and when needed. The uncanny support we receive from youths needs a special mentioning everytime we talk about any sustainable drives and campaigns.



**[www.thevillagersfoundation.org](http://www.thevillagersfoundation.org)**



**[/thevillagersfoundations](https://www.facebook.com/thevillagersfoundations)**



**[/thevillagersfoundations](https://www.instagram.com/thevillagersfoundations)**



**[C/thevillagersfoundation](https://www.youtube.com/c/thevillagersfoundation)**



**[info@thevillagersfoundation.org](mailto:info@thevillagersfoundation.org)**

Our programmes are mostly self-funded.  
Consider becoming a patron in our endeavour.

Upi id : [thevillagersfoundation@upi](https://upi.me/thevillagersfoundation@upi)





# MEET OUR TEAM



**Chandan Kumar**

**Founder  
The Villagers Foundation**



**Anurag vatsa**

**Founder  
The Villagers Foundation**



**shalini jha**

**Advisory Council**



**Dolly Singh**

**Zone Coordinator**



**Rahul Mishra**

**Coordinator**



**Sanjay Mahawar**

**Coordinator**

## A SPECIAL MENTION



**Beeru Bugyal & Neetu Brijwal & Riya Bugyal**

Owner, New Bugyal Homestay, Munsiri, Uttarakhand

Of what has been feasible in the form of this handbook can truly be attributed to the unfailing support provided by the duo throughout. Remarkable and charming in person, they have put in their heart and soul into developing of their homestay. Neetu ma'am, through his constant effort, has created a floral garden which really helped us study few species of butterflies, just at a cosy distance. They always made sure of our health, happiness and more importantly encouragement whenever needed. By the way, Riya Bugyal is a pet which never fails to sniffle good in everyone she meets.

# ABOUT THE AUTHORS



**POOJA PANT**

RESEARCHER, WILDLIFE INSTITUTE OF INDIA

I have always been a nature lover and an adventure enthusiast. I was born and brought up in Himalayan district of Pithoragarh in Uttarakhand which is known for rich biodiversity of both flora and fauna. It was my good fortune to have done under graduation from Kumaun University, Nainital. Early graduation days not only enhanced my understanding of Himalayan flora and fauna, threats to which they are liable and conservation remedies thereupon, but also moulded my passion for working and exploring the biodiversity in the Indian Himalayan Region and conservation of the same. After completing my Masters in Environmental Science from University of Lucknow I worked as an intern in WWF- India's Western India Tiger Landscape, Rajasthan. Here I got opportunity to work in Monitoring of Tigers, co-predator, and prey; and community work in corridor villages which further enhanced my craze for wilderness. At present I am working as a Project Associate in Wildlife Institute of India. My general interests include conservation of small and large carnivores including their landscape management and Human Wildlife conflict management.



**CHANDAN KUMAR**

FOUNDER, THE VILLAGERS FOUNDATION

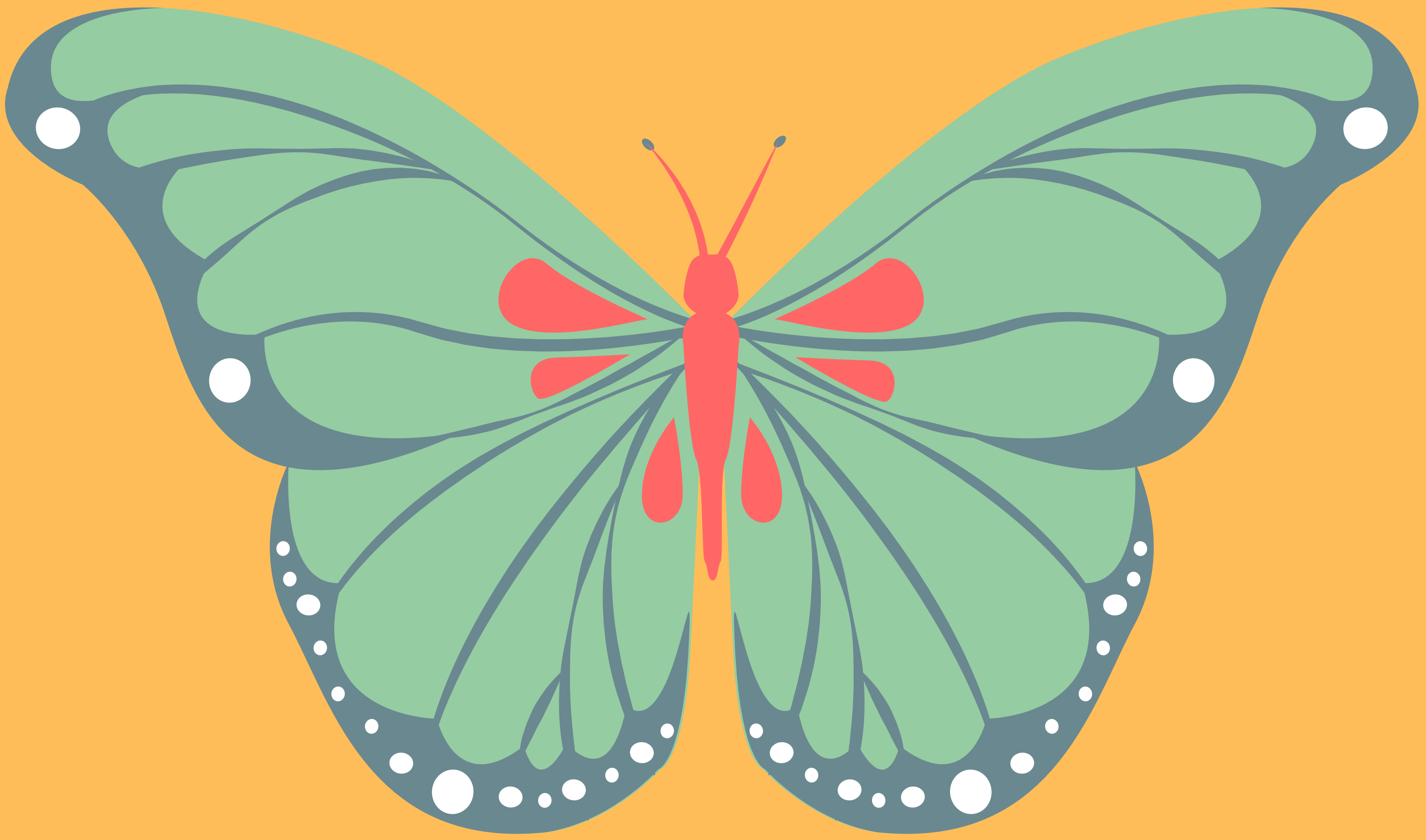
I am a Naturalist, Traveller, an Adventure Enthusiast and Explorer working closely with the denizens of the hills in Uttarakhand. The uprising of Homestays, Sustainable Living, Organic Farming and Youth Training programmes are highlights that I am partaking in. Kudos to The villagers foundation team, I exposed myself to different sets of skills while working for sustainable drives and programmes in hills. It is only by creating communities across regions inclined to uplift the conservation process can we truly sustain our nature.

# A SHORT DESCRIPTION



Butterflies belong to a large insect group called Lepidoptera (which means scaly-winged). They are classified into two superfamilies of which Hesperioidea has all the Skippers, while the rest of the true butterflies are under Papilionoidea, which has five families. There are about 18,000 plus species of butterflies in the world. In the Indian region, there are approximately 1,500 species of butterflies, of which 1,318\* species of butterflies are known to occur in India. In Uttarakhand, there are more than 500 species recorded itself.





## COMMON NAME



Common

Scientific name



Family



Uncommon

Larval Host Plant



Wingspan



Rare

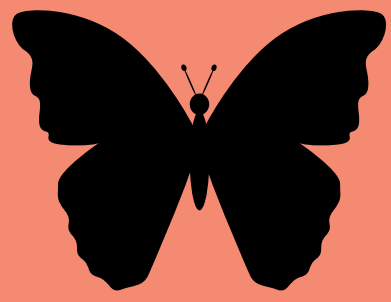
Flight Period



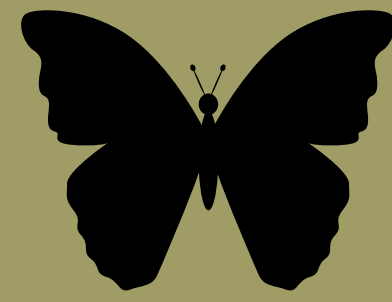
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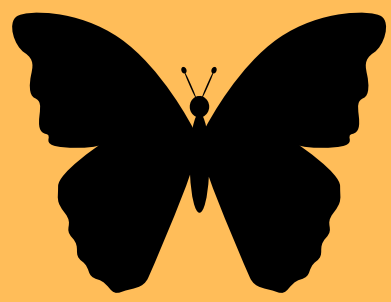
# CLASSIFICATION OF BUTTERFLY



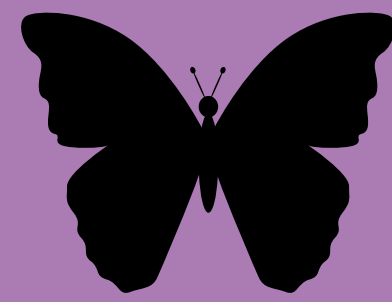
Skippers



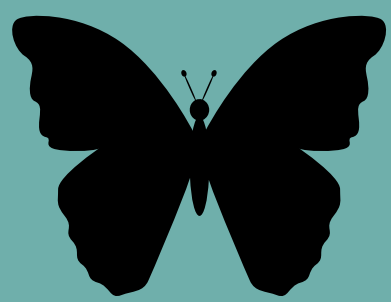
Swallowtails



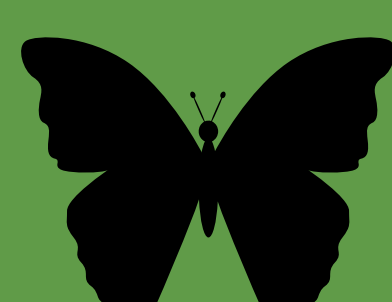
Whites & yellows



Judies & Punches

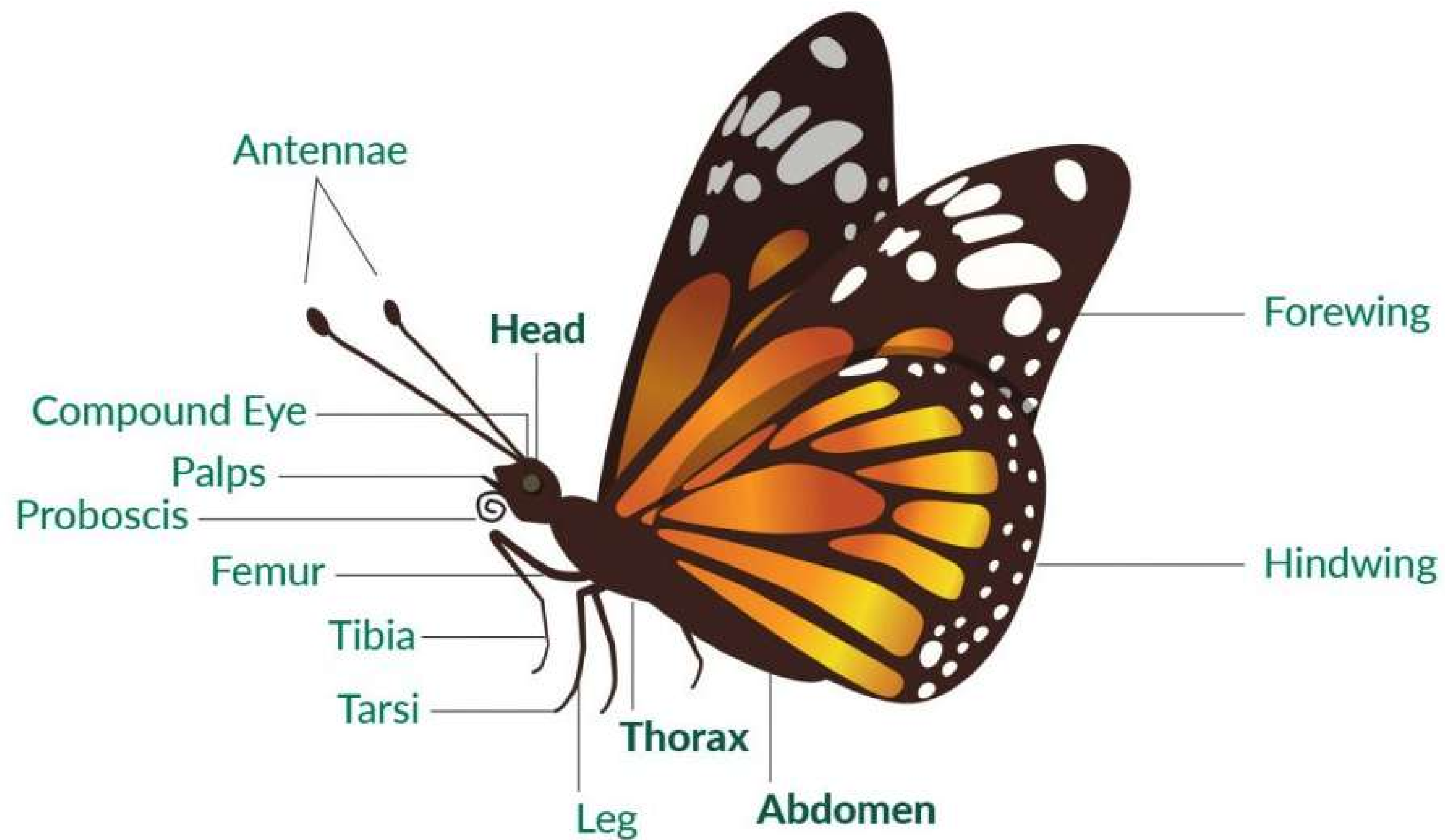


Blues



Nymphalids

# BUTTERFLY ANATOMY



# LIFE CYCLE OF BUTTERFLY



Egg

Caterpillar

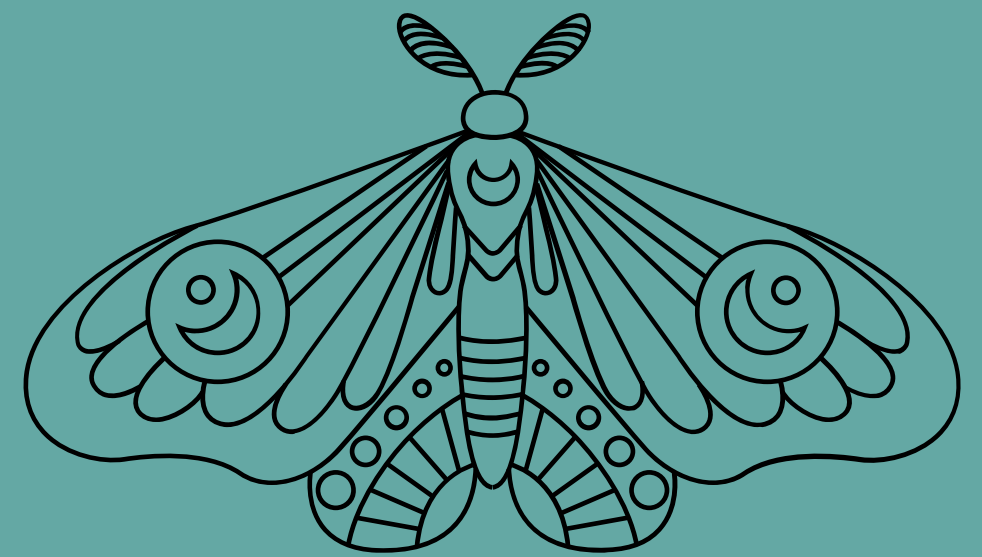
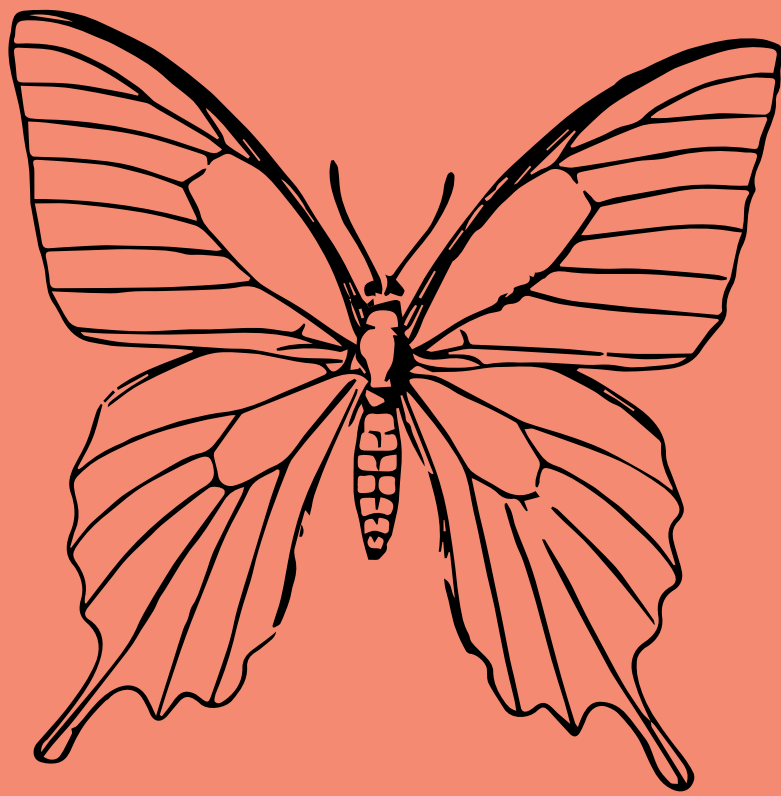
Pupa

Adult

# ROLE OF BUTTERFLIES IN OUR ECOSYSTEM

- ✈ Butterflies are Indicators of a healthy environment
  - ✈ Butterflies are plant pollinators
  - ✈ Butterflies are a source of food to other organisms
  - ✈ Butterflies act as biological pest control
- 
- ✈ Butterflies have been widely used by ecologists as model organisms to study the impact of habitat loss and fragmentation, and climate change.
  - ✈ Some species of butterflies – Monarch butterflies & Caterpillars – help to reduce air pollution by absorbing carbon dioxide from the atmosphere

# DIFFERENCE BETWEEN BUTTERFLY AND MOTH



Have a thickened club or hook on the tip of the antenna, never 'feathery'

**Brighter colours**

Hold wings together above body when resting

Fly during the day

**Antennae**

**Colour**

**Resting posture**

**Activity**

Have simple thread-like or 'feathery' antenna without a club

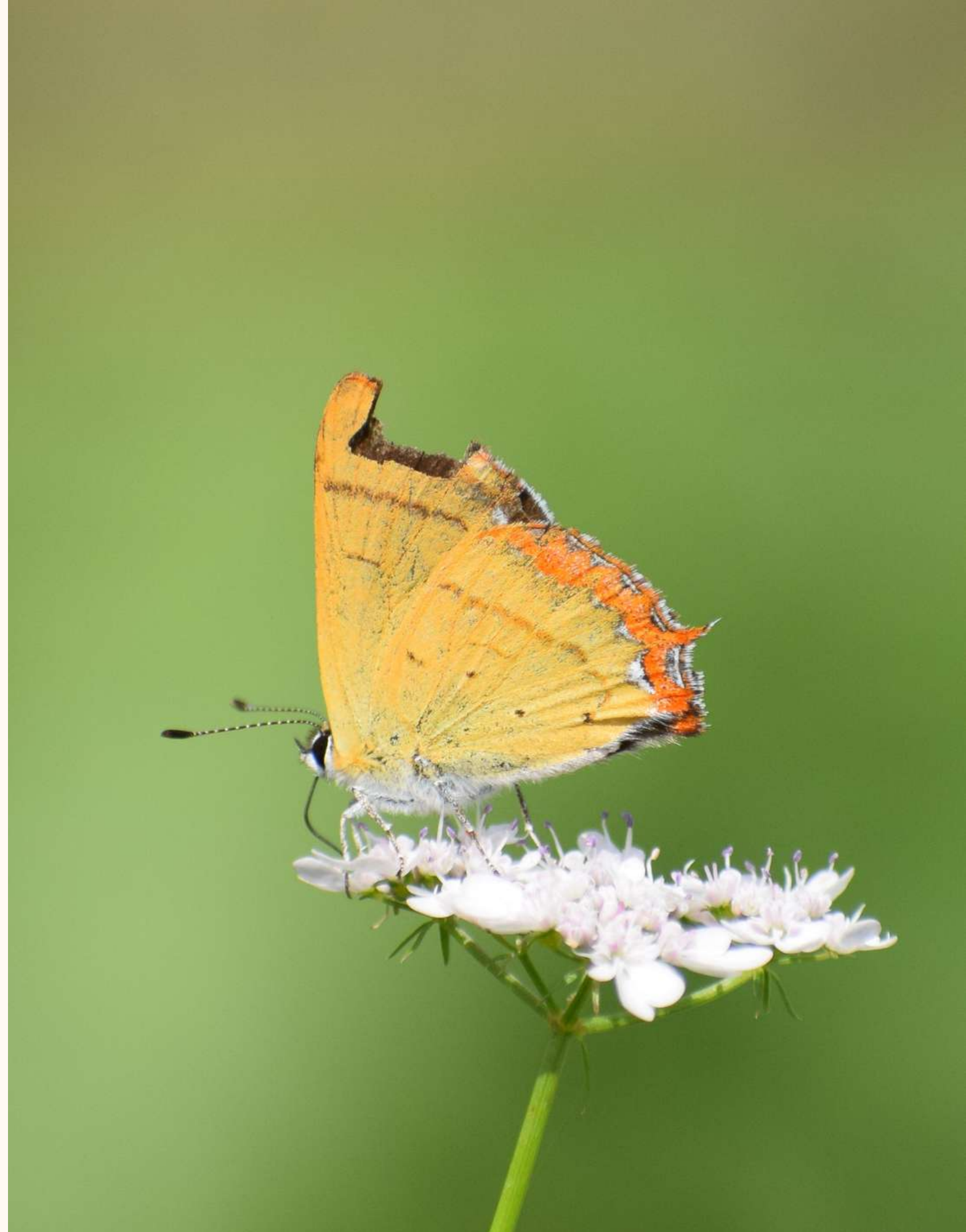
**Duller colours**

Many moths are brilliantly coloured like Madagascan Sunset Moth.

Hold wings flat when resting

**Fly at night**

moths like the Bee Hawkmoth, fly in day.



# AZURE SAPPHIRE

Heliophorous moorei

Blues

Sabia Bellflower

30-35mm

April-Nov

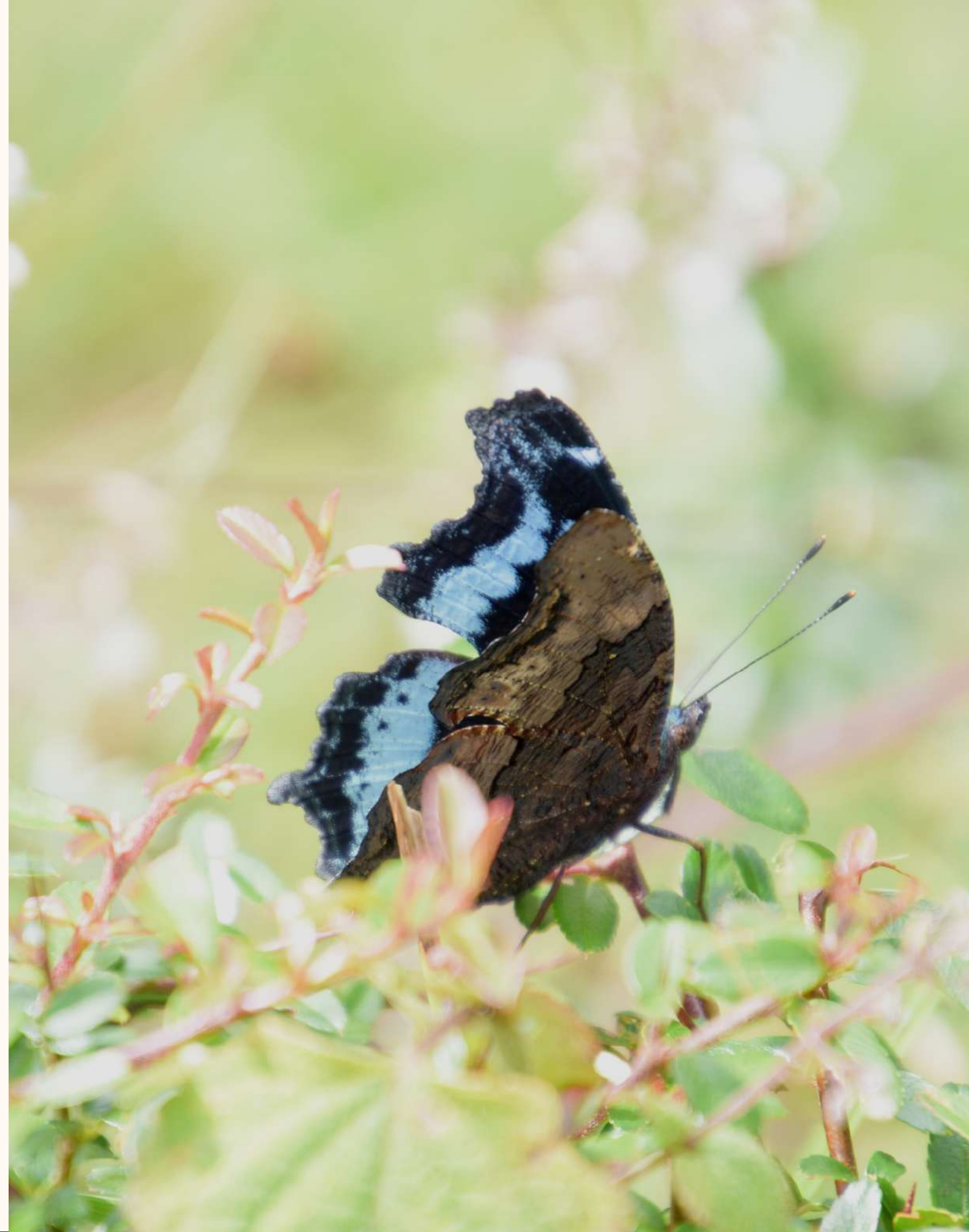


Uncommon



India,  
Uttarakhand  
Jammu & Kashmir  
Nepal





# BLUE ADMIRAL

Kaniska canace

Nymphalids

Smilax, Wild Yams

60-75mm

Feb-Nov

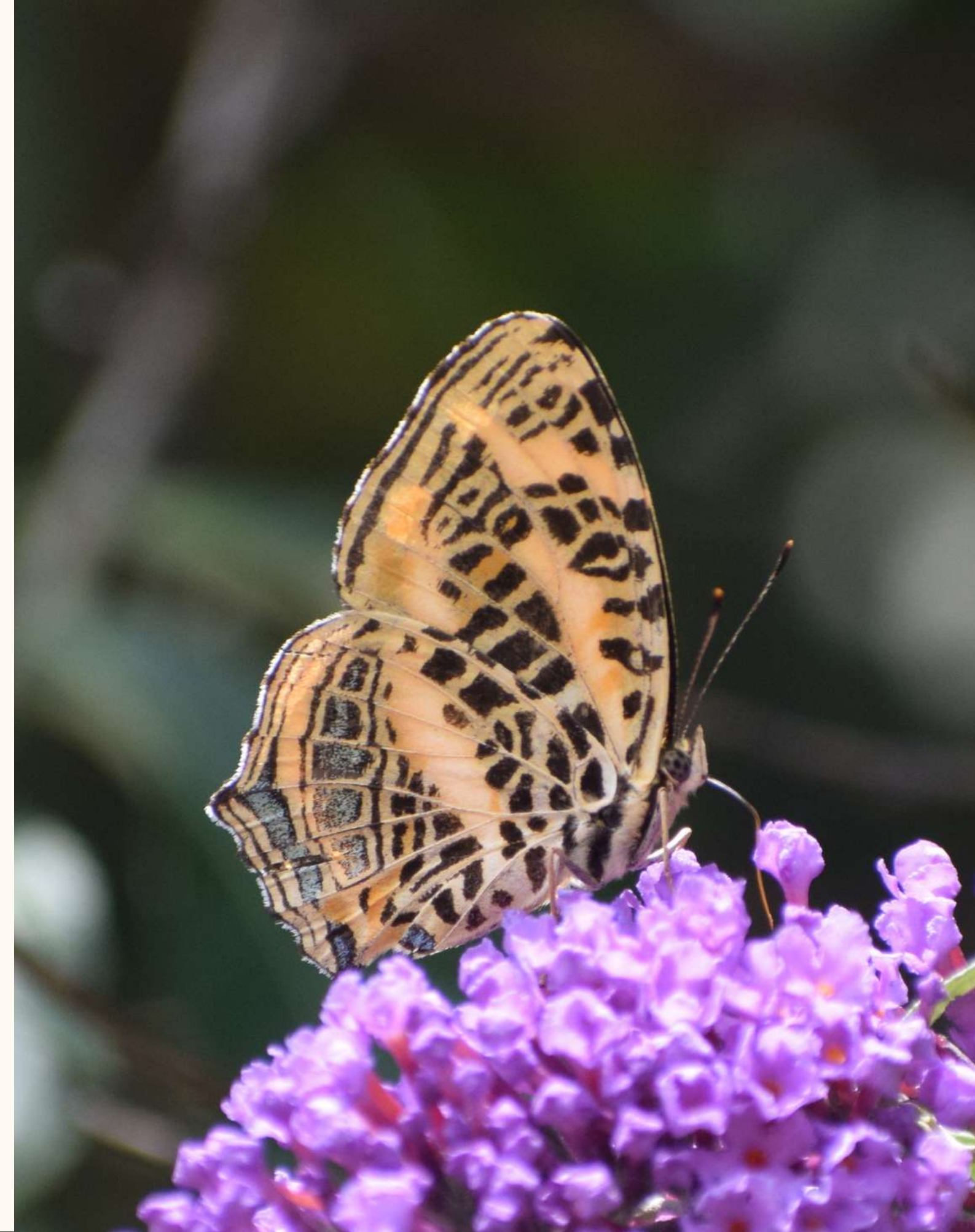


Uncommon



India,  
Uttarakhand NE,  
Mynamar, Sri  
Lanka, Bhutan  
Nepal ,Pakistan





# BLUETAILED JESTER

SCH II

*Symbrenthia niphanda*

Nymphalids

Not known

50-60mm

Mar-Nov



Uncommon



India,  
Uttarakhand NE,  
Jammu & Kashmir,  
Bhutan  
Nepal



## BLUE PANSY

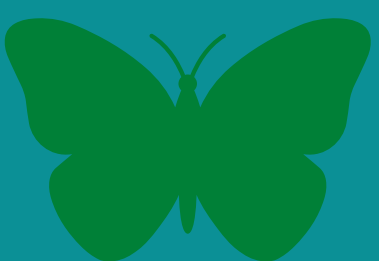
*Junonia orithya*

Nymphalids

Barleria, Hygrophilla

45-60mm

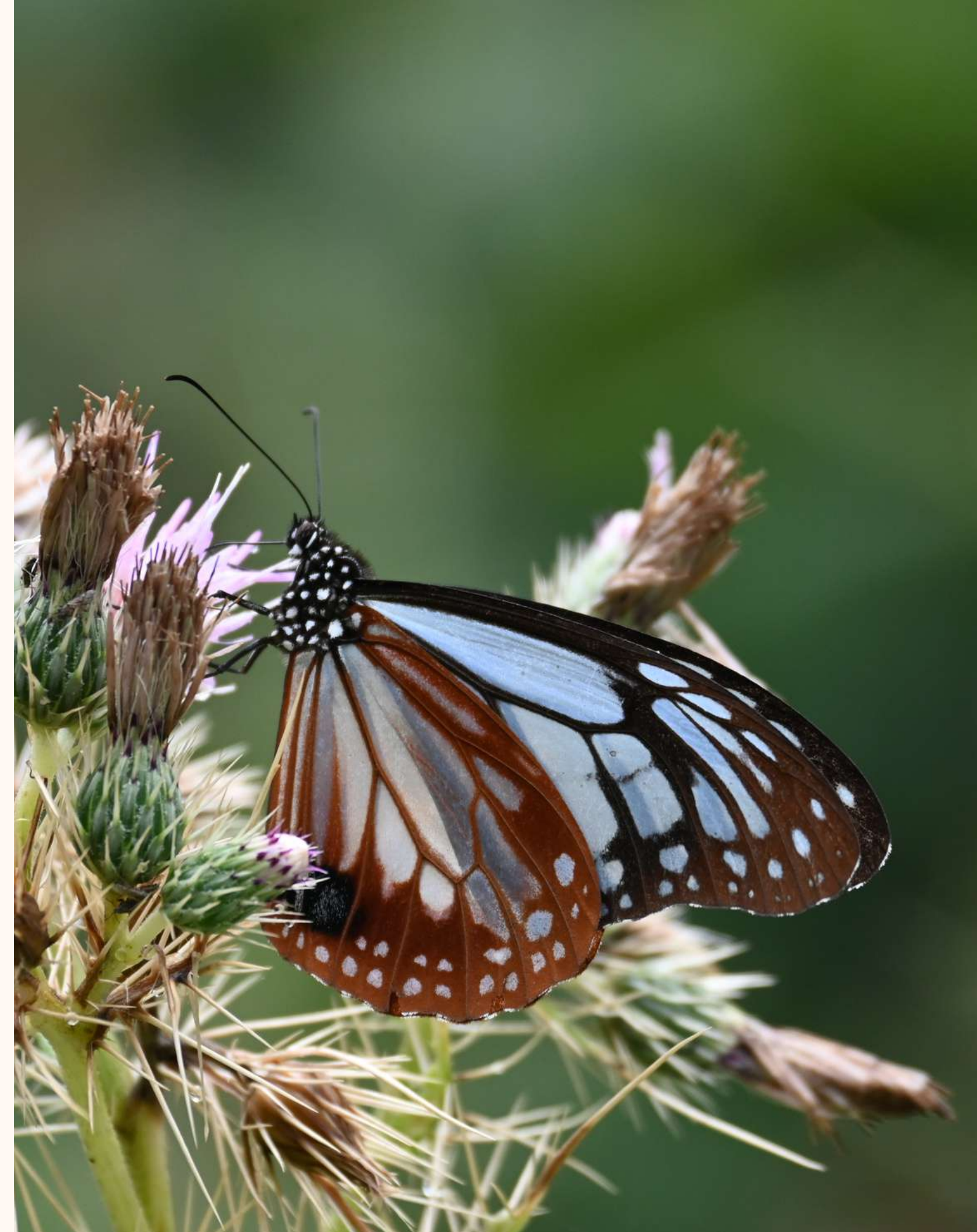
Feb-Dec



common



India, Uttarakhand,  
Pakistan  
Nepal,  
Pakistan,  
Myanmar



## CHESTNUT TIGER

*Parantica sita*

Nymphalids

Milkweeds

85-105mm

Mar-Dec



Uncommon



India, Uttarakhand  
Myanmar  
Jammu & Kashmir,  
Bhutan  
Nepal





## CHOCOLATE PANSY

*Junonia iphita*

Nymphalids

Strobilanthes

55-80mm

Jan-Dec



common



India, Uttarakhand  
NE, Jammu &  
Kashmir, Bhutan  
Nepal, Sri Lanka,  
Bangladesh





# COMMODORE

*Auzakia danava*

Nymphalids

Not Known

80-85mm

Feb-Oct



common



India, Uttarakhand  
Jammu & Kashmir,  
NE, W. Bengal  
Nepal, Bhutan





## COMMON AWL KING

*Choaspes benjaminii*

Skippers

Sebia bellflower,  
Meliosma

50-60mm

Mar-Nov



Uncommon



India, Uttarakhand,  
Himachal, NE, S. India  
J & K  
Nepal,  
Pakistan





## COMMON BRIMSTONE

*Gonepteryx nepalensis*



common

Whites & yellows

Cane Buckthorn

60-70mm

Feb-Oct



India,  
Uttarakhand ,  
Jammu & Kashmir,  
NE, Pakistan  
Nepal, Myanmar





# COMMON CROW

Euploea core

Nymphalids

Adenium obesum , Asclepias  
curassavica

85-95mm

Jan-Dec



common



India,  
Uttarakhand,  
Bhutan, Bangladesh  
Myanmar  
Nepal, Sri lanka





## COMMANDER

*Moduza procris*

Nymphalids

*Mussaenda frondosa, Cadaba fruticosa*

60-75mm

jan-Dec



common



India, Uttarakhand,  
NE, Sri Lanka,,  
W. Bengal, Bhutan,  
Andaman, Myanmar  
Nepal, Pakistan



# COMMON EVENING BROWN

Melanitis leda

Nymphalids

Pennisetum setaceum, Zea  
Mays

60-80mm

Jan-Dec



common



India, Uttarakhand,  
Pakistan, Nepal  
Bangladesh  
Myanmar  
Sri Lanka





## COMMON FLASH

Rapala nissa

Blues

Astilbe rivularis

34-38mm

Feb-Nov



common



India, Uttarakhand,  
J & K  
Nepal,  
Pakistan, Myanmar



## COMMON HEDGE BLUE

*Acytolepis puspa*

Blues

*Combretum sundaicum*,  
*Rosa hybrids*

28-35mm

Jan-Dec



common



India, Uttarakhand,  
NE,  
Bhutan, Bangladesh  
Myanmar, Nepal,  
Sri Lanka





## COMMON JEZEBEL

*Delias eucharis*

Whites & Yellows

*Dendrophthoe falcata*

66-83mm

jan-Dec



common



India, Uttarakhand,  
Sri Lanka, Bhutan,  
Myanmar  
Nepal,  
Pakistan





## COMMON LEOPARD

*Phalanta phalantha*

Nymphalids

*Populus deltoides*,  
*Populus ciliata*

50-60mm

jan-Dec



common



India, Uttarakhand,  
NE, Sri Lanka, Bhutan,  
Myanmar  
Nepal, Nicobar  
Pakistan



## COMMON MAP

*Cyrestis thyodamas*



common

Nymphalids

Fig Plants

50-60mm

Jan-Dec



India,  
Uttarakhand, NE  
Pakistan, Nepal,  
Pakistan,  
Myanmar



## COMMON NAWAB

*Polyura athamas*

Nymphalids

Fabaceae

60-75mm

Jan-Dec



common



India,  
Uttarakhand, NE,  
Andaman, Bhutan,  
Myanmar, Nepal,  
Sri Lanka



## COMMON ONYX

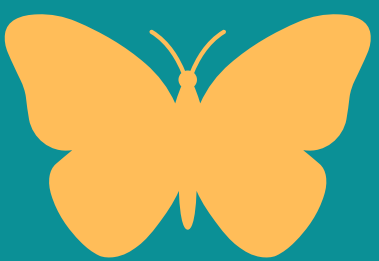
Horaga onyx

Blues

Coriaria nepalensis

27-33mm

Jan-Dec



Uncommon



India, Uttarakhand,  
NE, W.ghat  
Himachal, Bhutan,  
Myanmar, Nepal,  
Sri Lanka





## COMMON PEACOCK

state butterfly of Uttarakhand

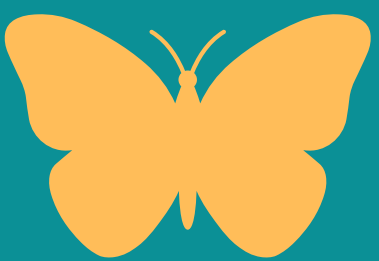
Papilio bianor

Swallowtails

Himalyan Timur pepper

90-130mm

Feb-Oct



Uncommon



India, Uttarakhand  
Jammu & Kashmir,  
West Bengal  
NE, Pakistan  
Nepal, Myanmar





## COMMON PUNCH

**Dodona durga**

**Judies & Punches**

**Grasses & probably  
bamboo**

**30-40mm**

**Mar-Oct**



**common**



**India, Uttarakhand,  
J & K  
Nepal,  
Pakistan**





## COMMON WALL

Lasiommata schakra



common

Nymphalids

probably grasses

55-60mm

Apr-Oct



India,  
Uttarakhand,  
Jammu & Kashmir,  
Pakistan





# COMMON WOODBROWN

Lethe sidonis

Nymphalids

Tham Bamboo

45-60mm

Apr-Oct



common



India, Uttarakhand  
Himachal, NE,  
Afganistan  
Jammu & Kashmir,  
Nepal. Bhutan





# COMMON YELLOW SWALLOWTAIL

Papilio machaon

Swallowtails

Wild carrot, celery or  
parsley

75-90mm

Mar-Sep



Uncommon



India, Uttarakhand,  
NE, Pakistan  
Nepal,  
Pakistan,  
Myanmar





## CREAMY SAILER

*Neptis soma butleri*

Nymphalids

Himalyan Timur pepper

47-54mm

Mar-Nov



Uncommon



India, Uttarakhand  
Jammu & Kashmir,  
Bhutan  
Nepal,  
Pakistan





# DARK CLOUDED YELLOW

SCH II

*Colias fieldii*

Whites & Yellows

Fenugreek

40-65mm

Feb-Dec



common



India, Uttarakhand  
NE, Jammu &  
Kashmir, Bhutan  
Nepal, Pakistan,  
Myanmar





## EXTRA LASCAR

*Pantoporia sandaca davidsoni*

Nymphalids

Acacia caesia

45-50mm

Jan-Dec

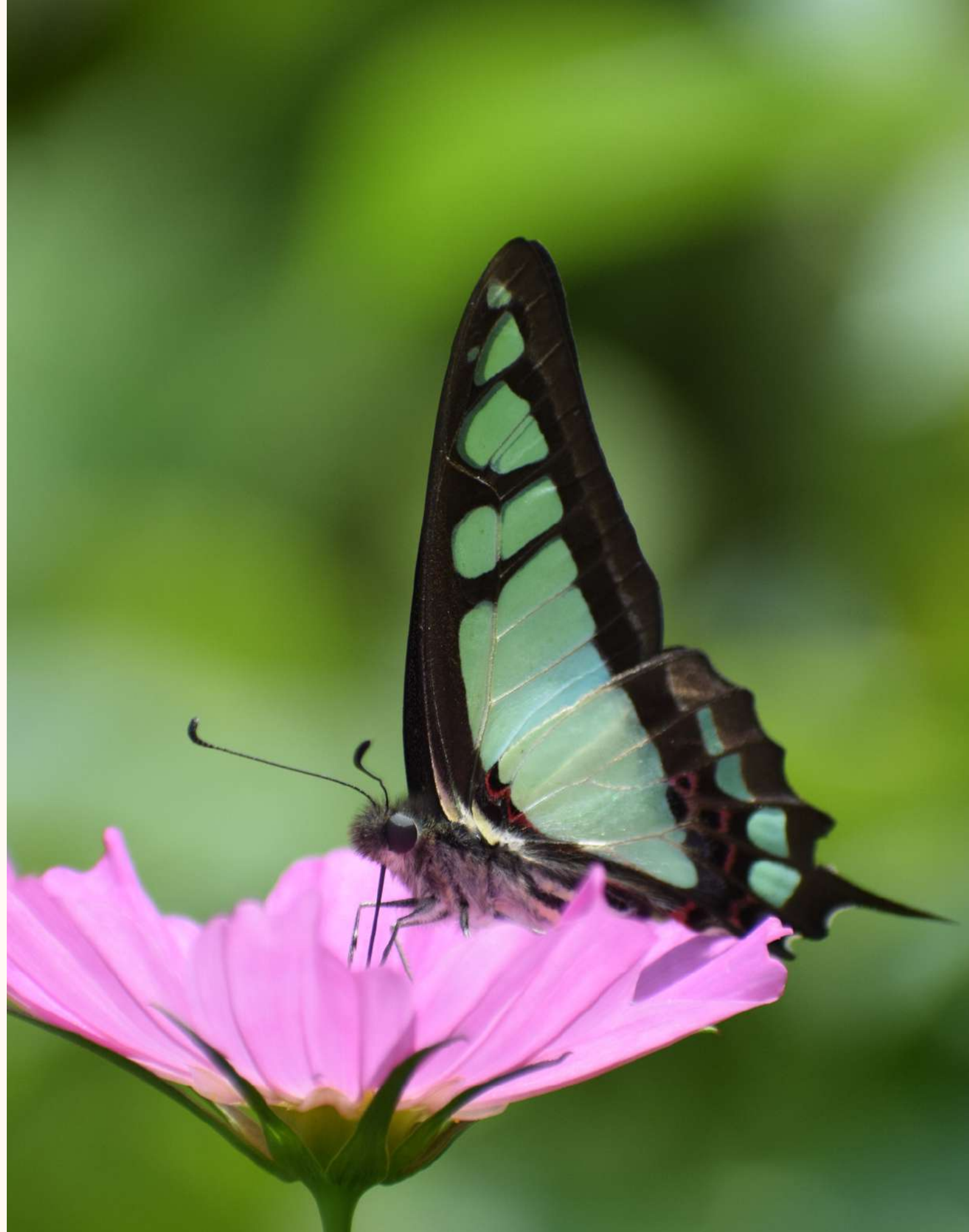


Uncommon



India, Uttarakhand,  
NE,  
J & K, P. India  
Bhutan, Myanmar,  
Nepal, Sri Lanka





## GLASSY BLUEBOTTLE

*Graphium cloanthus*

Swallowtails

Fragrant Bay Tree

82-95mm

Mar-Nov



Uncommon



India, Uttarakhand,  
W. Bengal  
NE  
Nepal, Bhutan,  
Myanmar





## GOLDEN ANGLE

*Caprona ransonnetti*

Skippers

*Erinocarpus nimmonii*,  
*Helicteres isora*

35-45mm

Mar-Nov

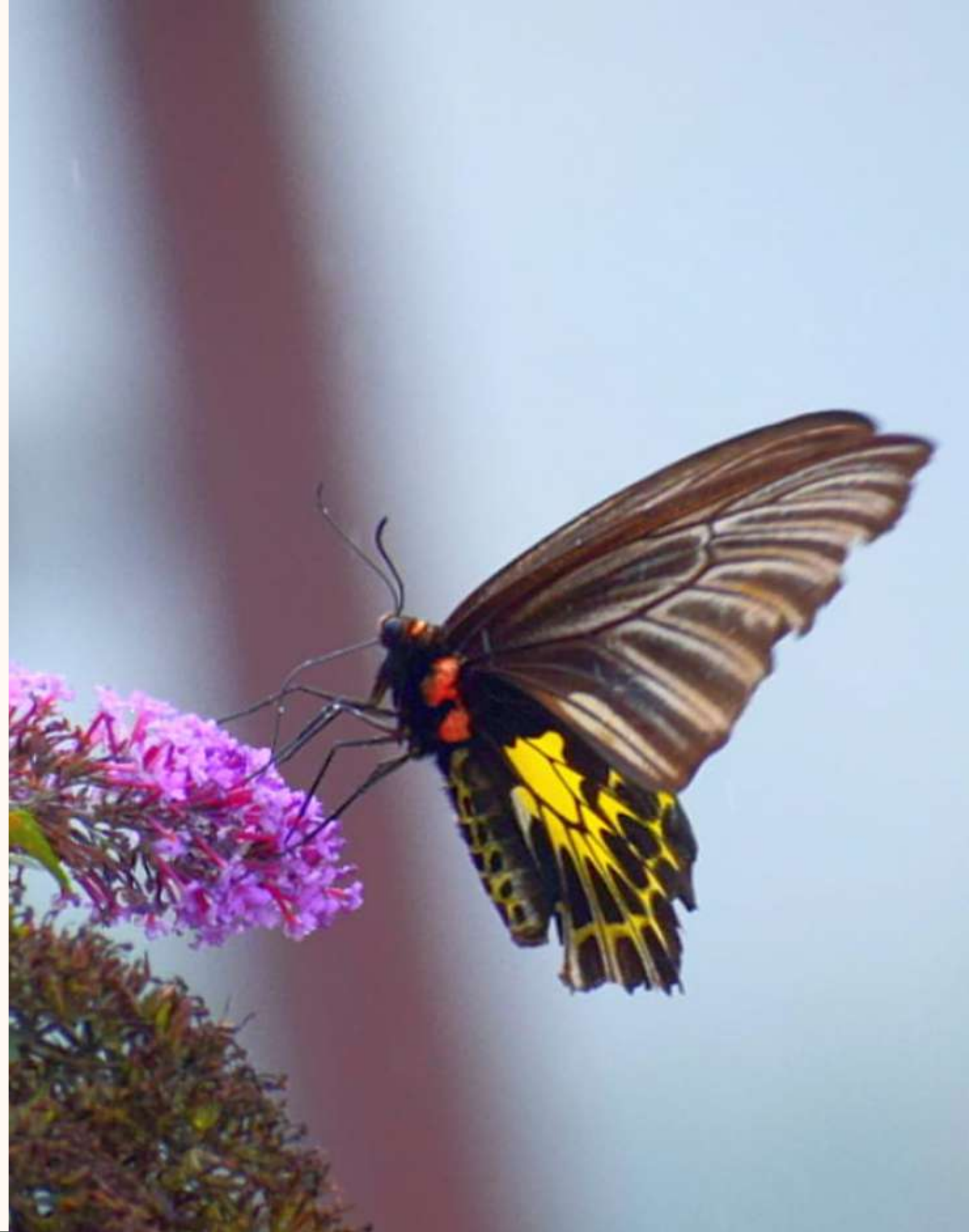


common



India, Uttarakhand,  
P.India, Bihar  
Bangladesh  
Myanmar  
Nepal, Sri Lanka





## GOLDEN BIRDWING

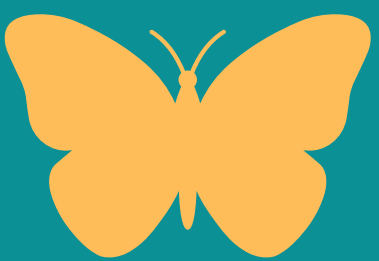
*Troides aeacus*

Swallowtails

Birthwart

119-194mm

May-October



Uncommon



India, Uttarakhand  
Arunachal  
Nepal  
Butan Myanmar





# GRAND DUCHEES

SCH II

*Euthalia patala*

Nymphalids

Banj Oak

80-120mm

Mar-Aug



Uncommon



India, Uttarakhand  
NE, J & K  
Nepal  
Myanmar





## GREAT BLACKVEIN

*Aporia agathon caphusa*



common

Whites & Yellows

Nepal Barberry, Holly

80-90mm

Mar-July



India,  
Uttarakhand,  
Nepal





# GREAT WINDMILL

Byasa dasarada



Uncommon

Swallowtails

Birthwart

100-140mm

MarOct



India, Uttarakhand,  
NE  
Nepal, Bhutan,  
Myanmar





## GREY COUNT

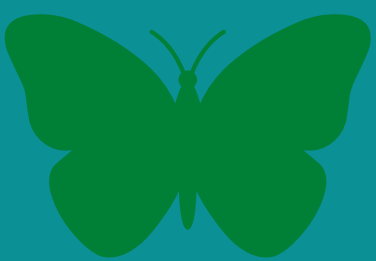
*Tanaecia lepidea*

Nymphalids

*Melastoma malabatharicum*

65-85mm

Feb-Nov



common



India, Uttarakhand,  
NE, S. India, Sri Lanka,  
Bhutan, Bangladesh  
Myanmar  
Nepal,





# HIMALAYAN SERGEANT

*Athyma opalina*

Nymphalids

Berberidaceae

55-70mm

Mar-Nov

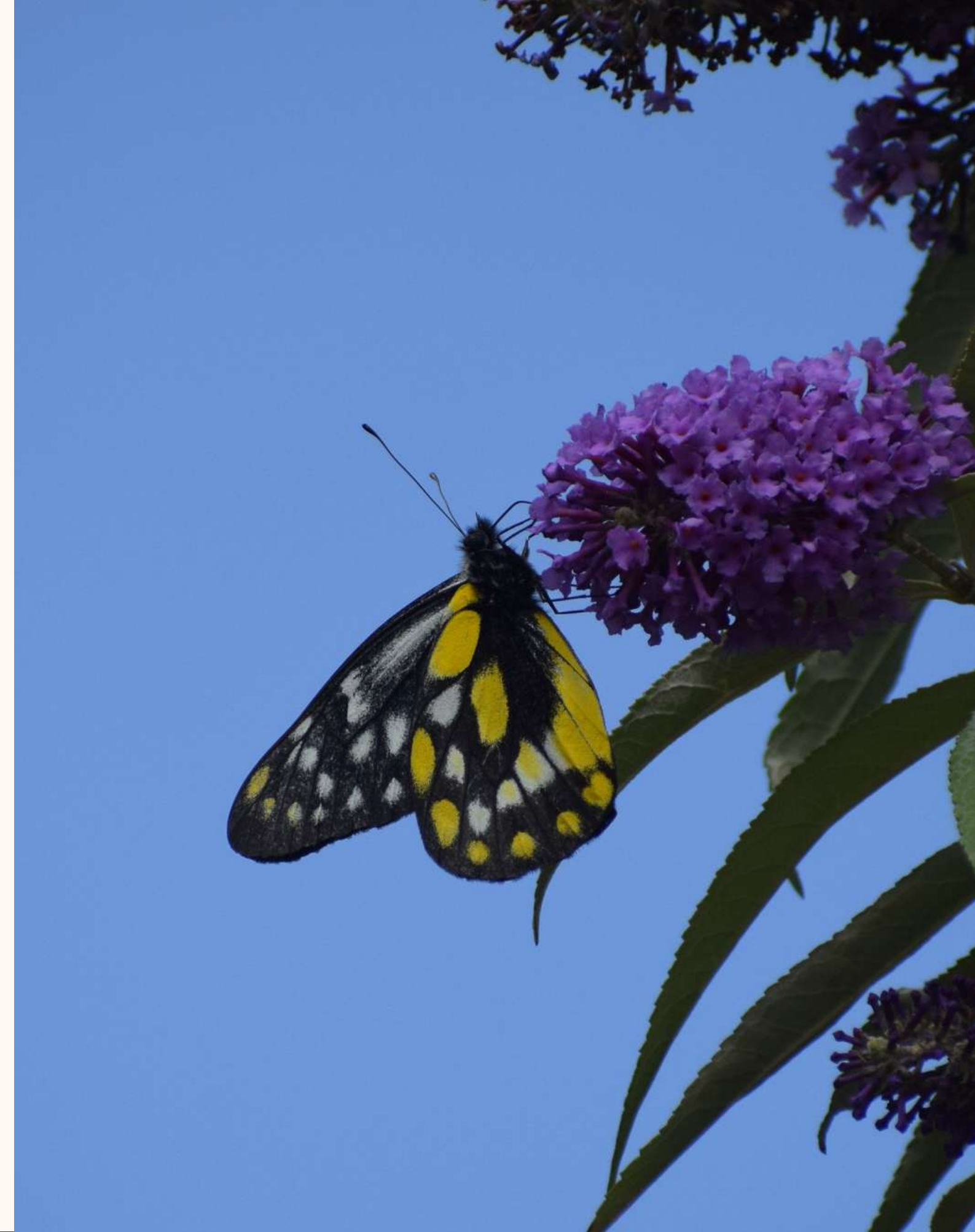


Uncommon



India, Uttarakhand,  
NE, J & K,  
Bhutan,  
Myanmar, Nepal,





# HILL JAZEBEL

SCH II

*Delias belladonna*

Whites & Yellows

Loranthus spp.

79-100mm

Mar-Nov



Uncommon



India,  
Uttarakhand,  
Himachal, NE  
Nepal, Bhutan,  
Myanmar





# HIMALAYAN QUEEN FRITILLARY

Issoria issaea



common

Nymphalids

Violets

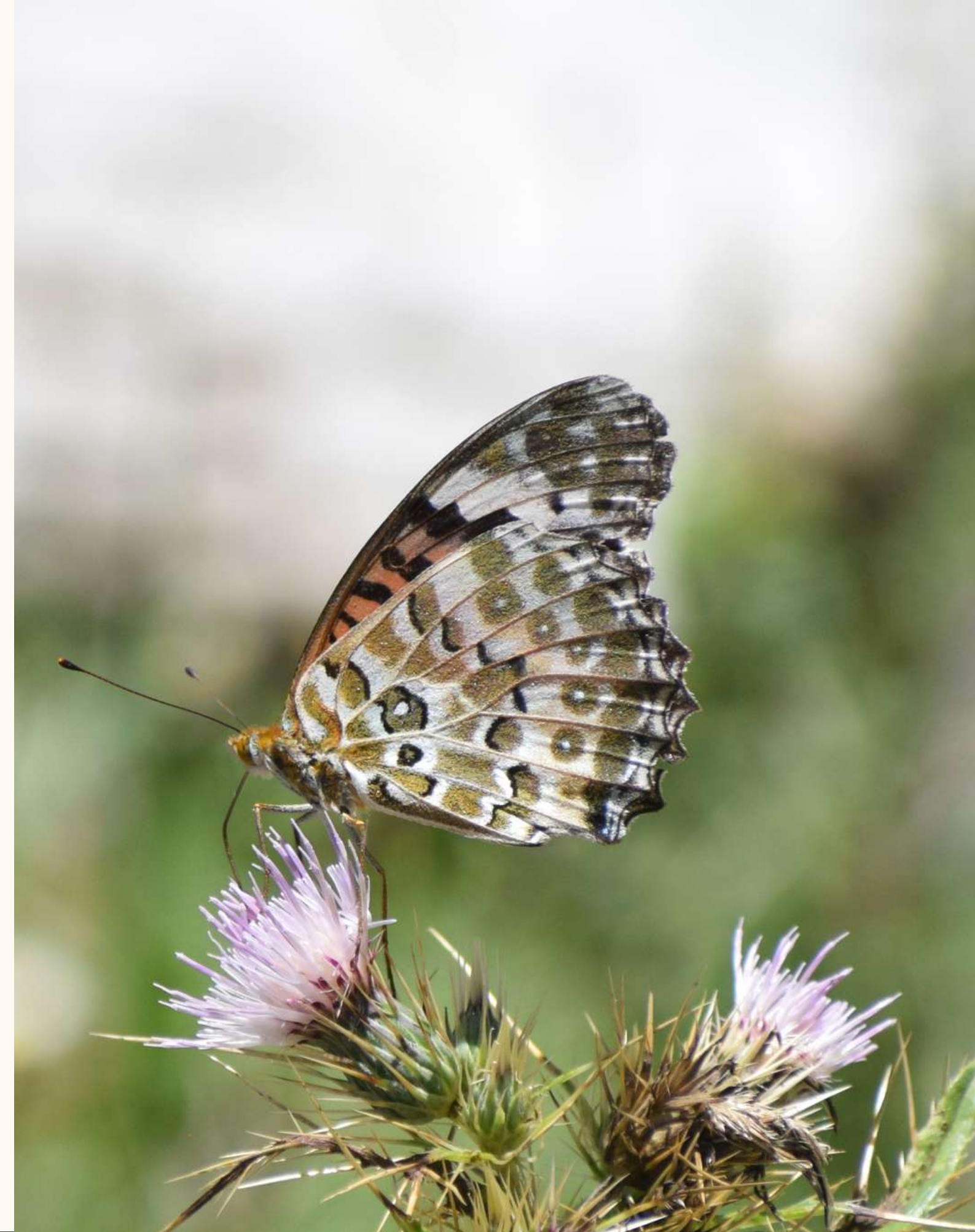
50-60mm

Jan- Dec



India, Uttarakhand,  
J & K, Bhutan  
Nepal,  
Pakistan, Myanmar





## INDIAN FRITILLARY

*Argyreus hyperbius*



common

Nymphalids

Violets

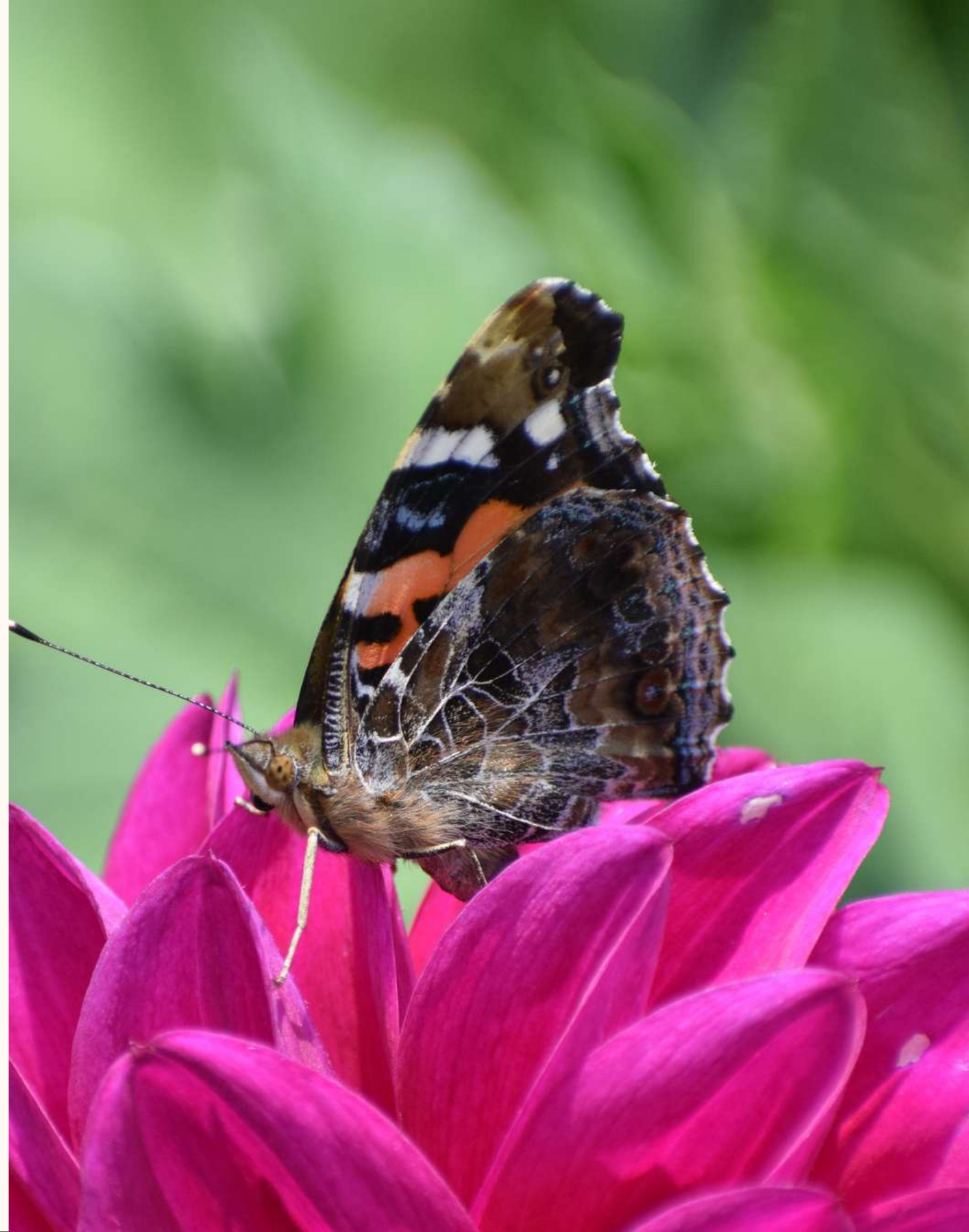
65-85mm

Jan-Dec



India, Uttarakhand,  
W. Bengal, NE  
Nepal, Bhutan,  
Myanmar  
Peninsular India





## INDIAN RED ADMIRAL

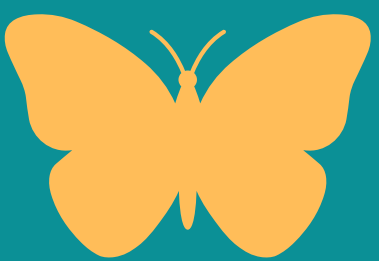
*Vanessa indica*

Nymphalids

Stinging Nettle

55-65mm

Mar-Oct

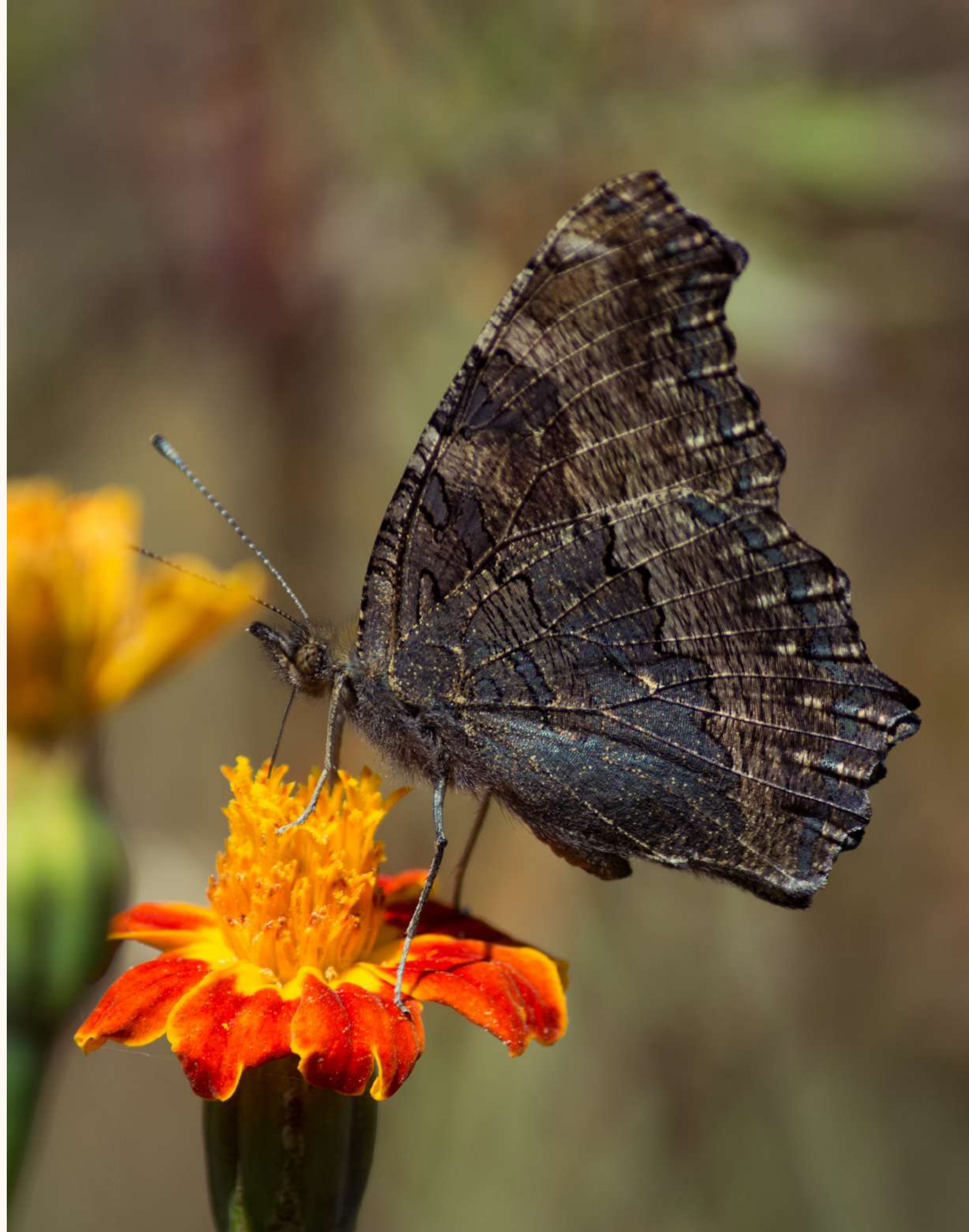


Uncommon



India, Uttarakhand,  
J & K, Pakistan  
NE  
Nepal, Bhutan,  
Myanmar





# INDIAN TORTOISESHELL

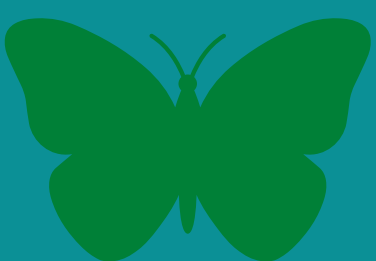
*Aglais cashmiriensis*

Nymphalids

Stinging Nettle

55-65mm

Feb-Nov



common



India,  
Uttarakhand, J & K  
NE  
Nepal, Bhutan,  
Pakistan





## INDIAN TAWNY RAJAH

*Charaxes psaphon imna*



Uncommon

Nymphalids

Not known

85-110mm

Feb-Nov



India  
(Peninsular upto  
Odisha)





# LARGE CABBAGE WHITE

*Pieris brassicae*

Whites & yellows

Cabbage, Mustard

65-75mm

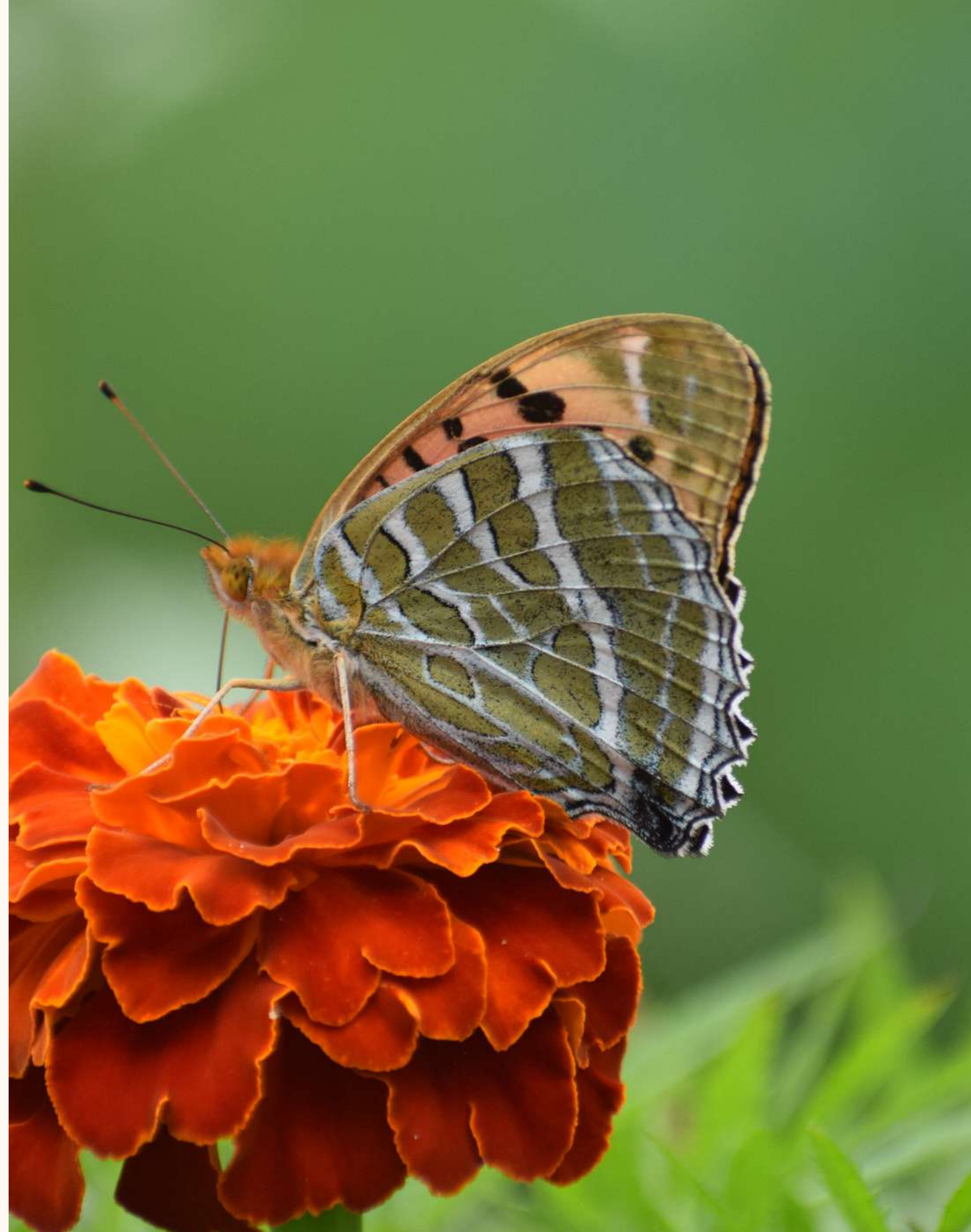
Jan-Dec



common



India, Uttarakhand,  
J & K, NE, UP  
Nepal, Bhutan,  
Pakistan



# LARGE SILVERSTRIPES

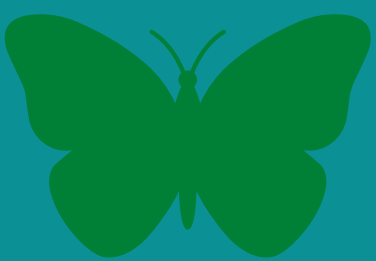
*Argynnis childreni*

Nymphalids

Violets

75-100mm

Apr-Nov

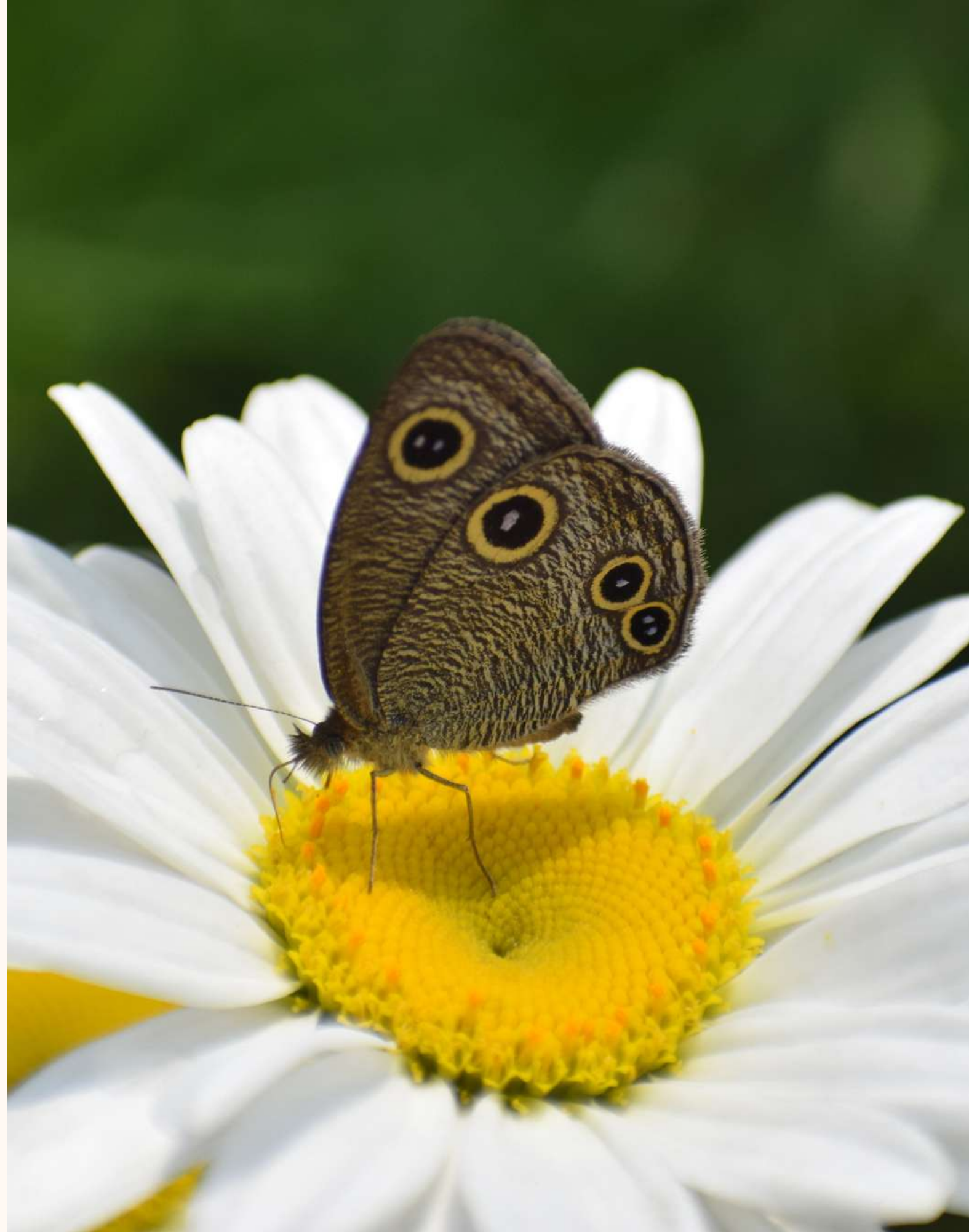


common



India, Uttarakhand,  
J & K, NE,  
Nepal, Bhutan,  
Pakistan, Myanmar





## LARGE THREE RINGS

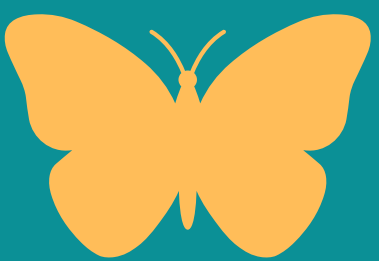
*Ypthima nareda*

Nymphalids

Not Known

40-45mm

Apr-Oct



Uncommon



India,  
Uttarakhand,  
Nepal,  
Pakistan





## LIME BUTTERFLY

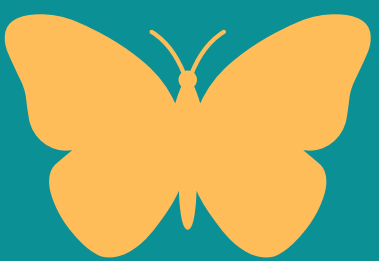
Papilio demoleus

Swallowtails

Cullen corylifolium, Ziziphus,  
Tilia

80-100mm

Jan-Dec

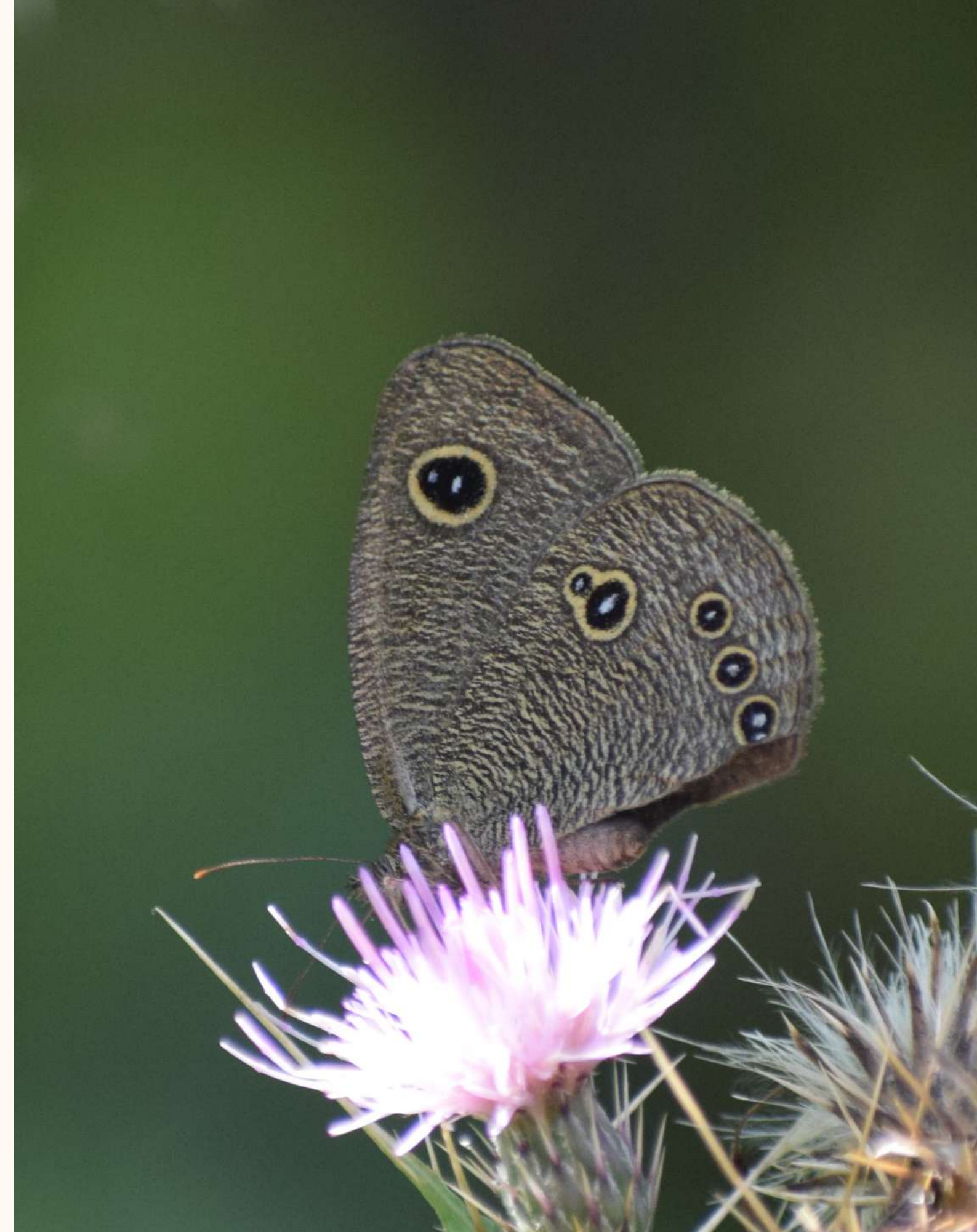


Uncommon



India, Uttarakhand,  
Andaman  
Bhutan, Bangladesh  
Myanmar  
Nepal, Sri Lanka





# MOORE'S FIVE RINGS

*Ypthima nikea*

Nymphalids

Probably Grasses

45-50mm

May-Oct



Uncommon



India,  
Uttarakhand, J & K  
Nepal,  
Pakistan





## MOTTLED EMIGRANT

*Catopsilia pyranthe*

Whites & Yellows

*Cassia fistula*, *Carissa spinarum*

50-70mm

jan-Dec



common



India, Uttarakhand,  
NE, Sri Lanka, Bhutan,  
Myanmar  
Nepal,  
Pakistan





## MULTI-SPOTTED FLAT

*Celaenorrhinus pulomaya*



Uncommon

Skippers

Not Known

45-50mm

Apr, Aug-Oct



India,  
Uttarakhand, J & K  
Nepal,  
Pakistan





## ORANGE OAKLEAF

Kallima inachus

Nymphalids

Strobilanthes, Nettle,  
Peach

85-110mm

Mar-Nov



Uncommon



India, Uttarakhand,  
NE, Pakistan  
Nepal,  
Pakistan,  
Myanmar





# PEA BLUE

SCH II

Lampides boeticus

Blues

Legumes-  
peas,beans,indigo

24-36mm

Jan-Dec



common



India, Uttarakhand,  
Nepal,Bangladesh  
Pakistan,Bhutan,  
Sri Lanka,



## PEACOCK PANSY

*Junonia almana*

Nymphalids

*Barleria cristata*, *Phyla nodiflora*

60-65mm

jan-Dec



common



India, Uttarakhand,  
Sri Lanka, Bhutan,  
Myanmar  
Nepal, Pakistan





## PLAIN TIGER

*Danaus chrysippus*

Nymphalids

Milkweeds, Giant  
Milkweeds

70-80mm

Jan-Dec



common



India, Uttarakhand,  
Himachal, NE,  
Lakshadweep  
Nepal,  
Pakistan



## PLUM JUDY

*Abisara bifasciata*

Judies & Punches

*Ardisia solanacea*,  
*Maesa indica*

40-50mm

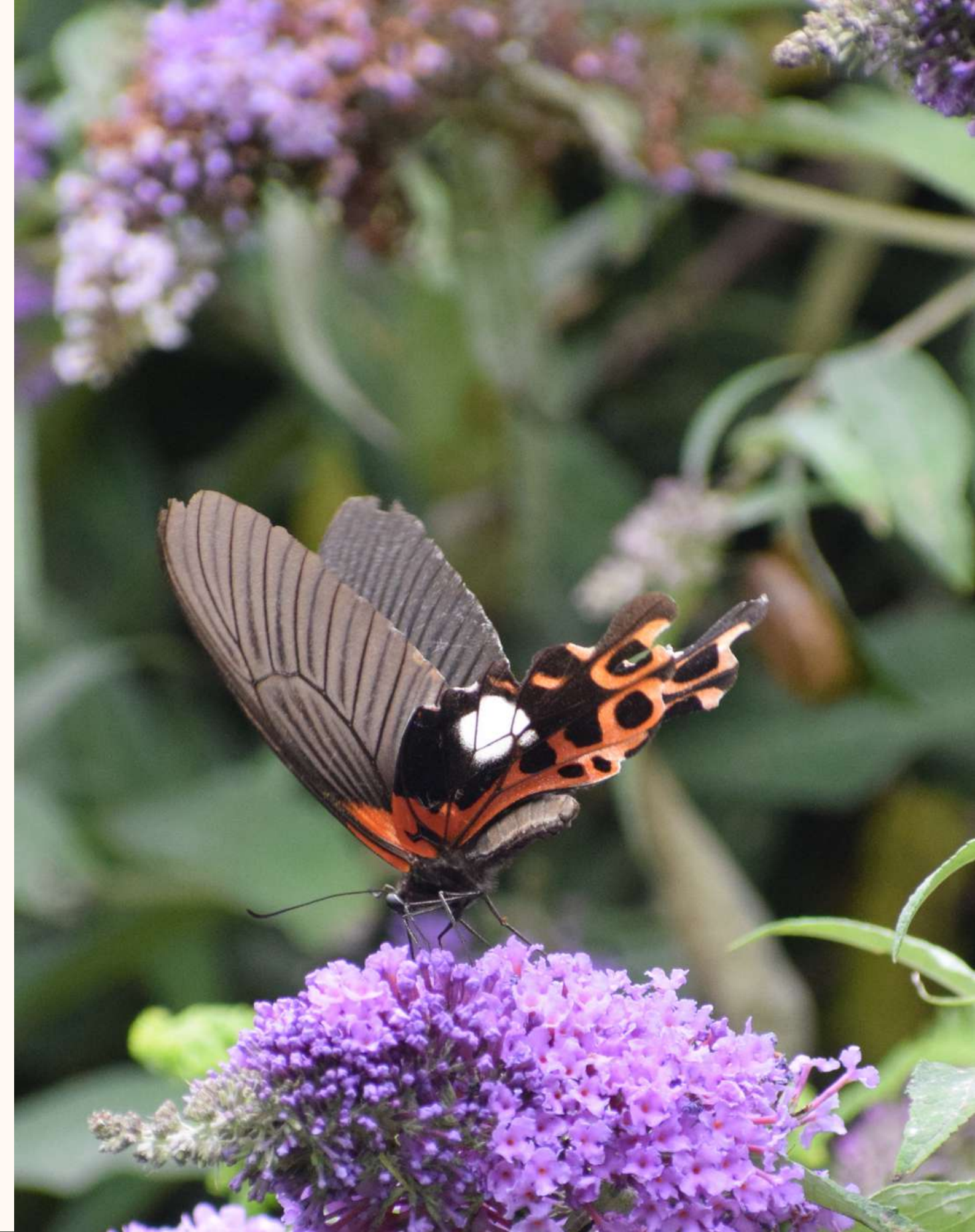
jan-Dec



common

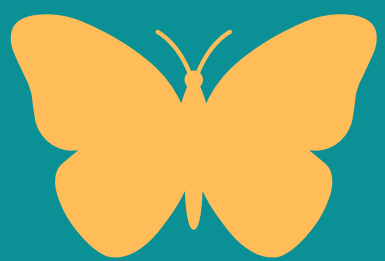


India, Uttarakhand,  
NE, P. India, Gujarat,  
Sri Lanka, Bhutan,  
Myanmar  
Nepal,



## REDBREAST

Papilio alcmenor



Uncommon

Swallowtails

Not Known

110-130mm

Mar-Oct



India, Uttarakhand,  
Nepal,  
W.Bengal, Bhutan,  
Sri Lanka, Myanmar



## RED PIERROT

*Talicada nyseus*

Blues

*Kalonchoe laciniata*,  
*Bryophyllum pinnatum*

30-36mm

Jan-Dec



common



India, Uttarakhand,  
Peninsular India,  
MP,  
Odisha,  
Sri Lanka





## RINGED ARGUS

*Callerebia ananda*

Nymphalids

Probably Grasses

60-75mm

Apr-Oct



common



India, Uttarakhand,  
J & K, NE  
Nepal,  
Pakistan, Bhutan,  
Myanmar





## RUSTIC

*Cupha erymanthis  
nicobarica*

Nymphalids

*Flacourtia rukam, F.  
inermis*

50-60mm

jan-Dec



common



India, Uttarakhand,  
NE, W.Ghat  
Sri Lanka, Bhutan,  
Myanmar  
Nepal,



# SILVER-GREY SILVERLINE

SCH II

*Spindasis nipalicus*



Uncommon

Blues

Not Known

36-42mm

Apr-Oct



India, Uttarakhand,  
NE, Himachal,  
Bhutan,  
Myanmar  
Nepal,



## SILVERY HEDGE BLUE

*Celastrina gigas*

Blues

Cherry Prinsepia

40mm

Apr- Oct



common



India,  
Uttarakhand, J & K  
Nepal,  
Pakistan,



## SORREL SAPPHIRE

*Heliophorus sena*

Blues

*Rumex hastatus.*

28-33mm

Jan-Dec

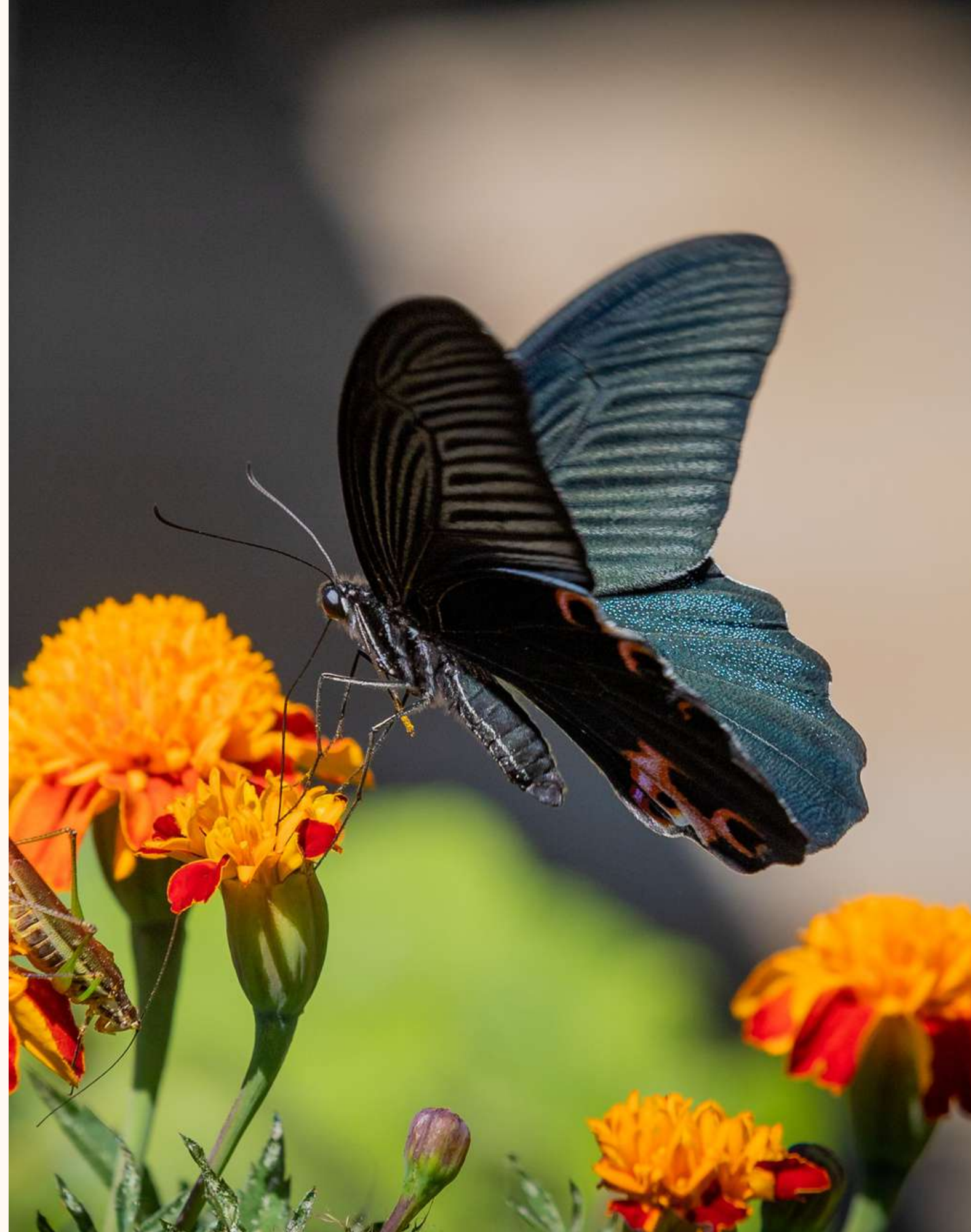


common



India,  
Uttarakhand,  
NE  
Nepal,  
Pakistan





## SPANGLE

*Papilio protenor*



common

Swallowtails

Himalayan Timur Pepper

100-130mm

Mar- Nov



India, Uttarakhand,  
NE, Bhutan  
J & K  
Nepal,  
Myanmar



## SPOTTED SNOW FLAT

*Tagiades menaka*

Skippers

*Dioscorea oppositifolia*,  
*Smilax* sp.

43-55mm

Mar-Nov



Uncommon



India, Uttarakhand,  
Himachal  
NE, Nepal  
, Bhutan,  
Myanmar





## SPOT SWORDTAIL

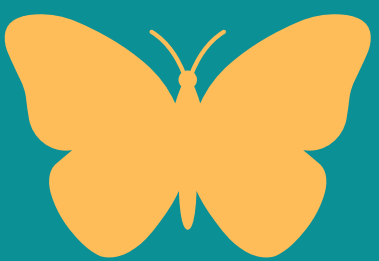
*Graphium nomius*

Swallowtails

*Miliusa tomentosa*, *Miliusa velutina*

75-90mm

Oct-July



Uncommon



India, Uttarakhand,  
NE, S. India, Sri Lanka,  
Bhutan, Bangladesh  
Myanmar  
Nepal,





# SPOTLESS GRASS YELLOW

*Eurema laeta*

Whites & yellows

*Cassia pumila* Lamk

30-45mm

Jan-Dec



common



India, Uttarakhand,  
Pakistan  
Nepal,  
Pakistan,  
Myanmar





# STRAIGHT-BANDED TREEBROWN

Lethe verma

Nymphalids

Bamboo

55-60mm

Apr-Nov



common



India, Uttarakhand,  
NE, J & K,  
Bhutan,  
Myanmar, Nepal,



## STRIATED SATYR

*Aulocera saraswati*



common

Nymphalids

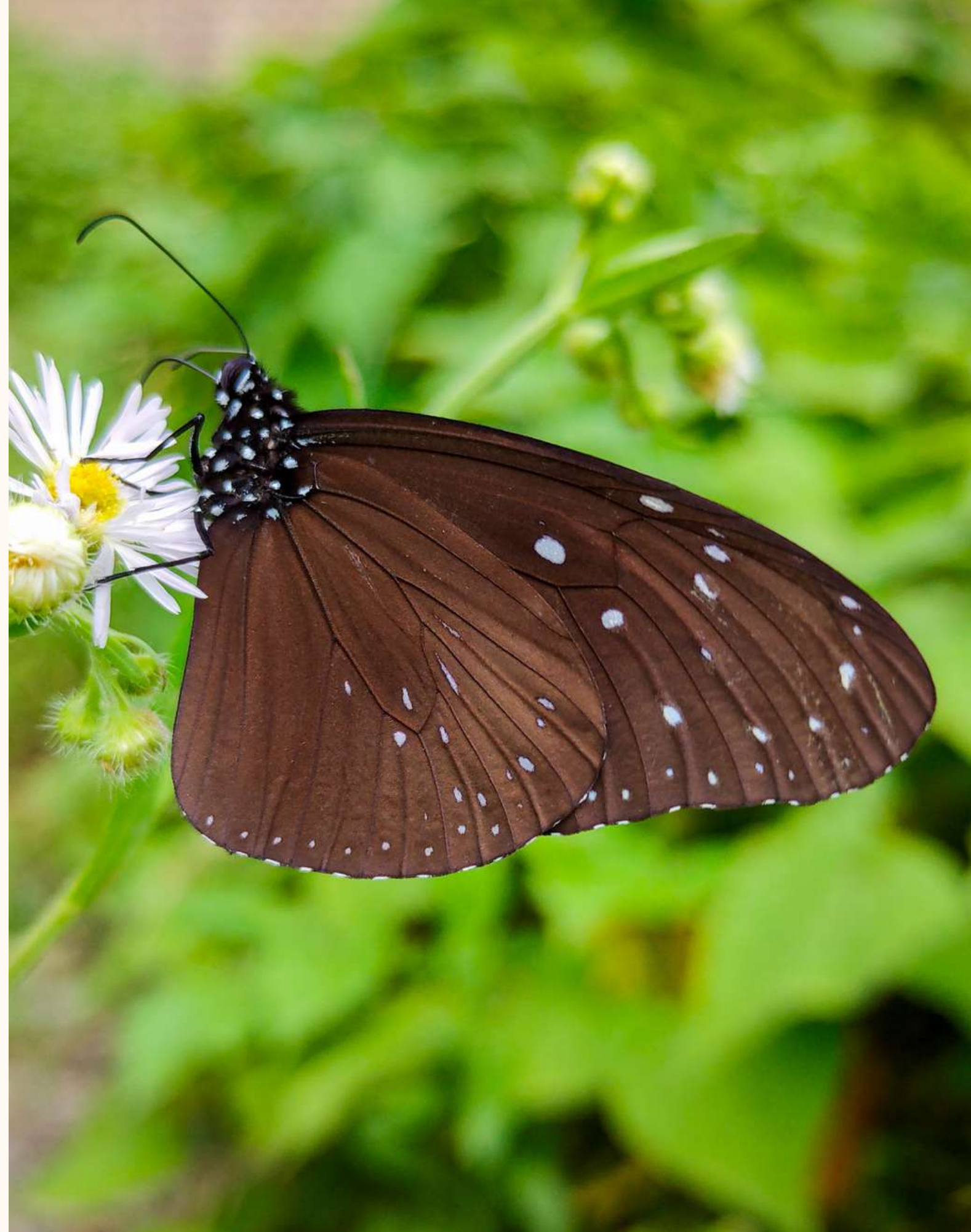
Not known

60-75mm

Apr-Oct



India,  
Uttarakhand,  
J & K, Sikkim  
Nepal, Pakistan



## STRIPED BLUE CROW

*Euploea mulciber*

Nymphalids

lactiferous plants

90-100mm

Not Known



common



India, Uttarakhand,  
NE, Pakistan  
Nepal,  
Pakistan,  
Myanmar



## STRIPED TIGER

Danaus genutia

Nymphalids

Giant milkweeds,  
Flytraps

72-100mm

Jan-Dec



common



India, Uttarakhand,  
NE, Bhutan  
Sri Lanka  
Nepal,  
Myanmar





## TAILED CUPID

*Everes argiades*

Blues

*Lotus corniculatus*

23-26mm

Feb-Oct



Uncommon



India, Uttarakhand,  
NE, Nepal  
Bhutan  
Myanmar





## VAGRANT

Vagrans sinha

Nymphalids

*Xylosma longifolia*

55-65mm

Feb-Dec

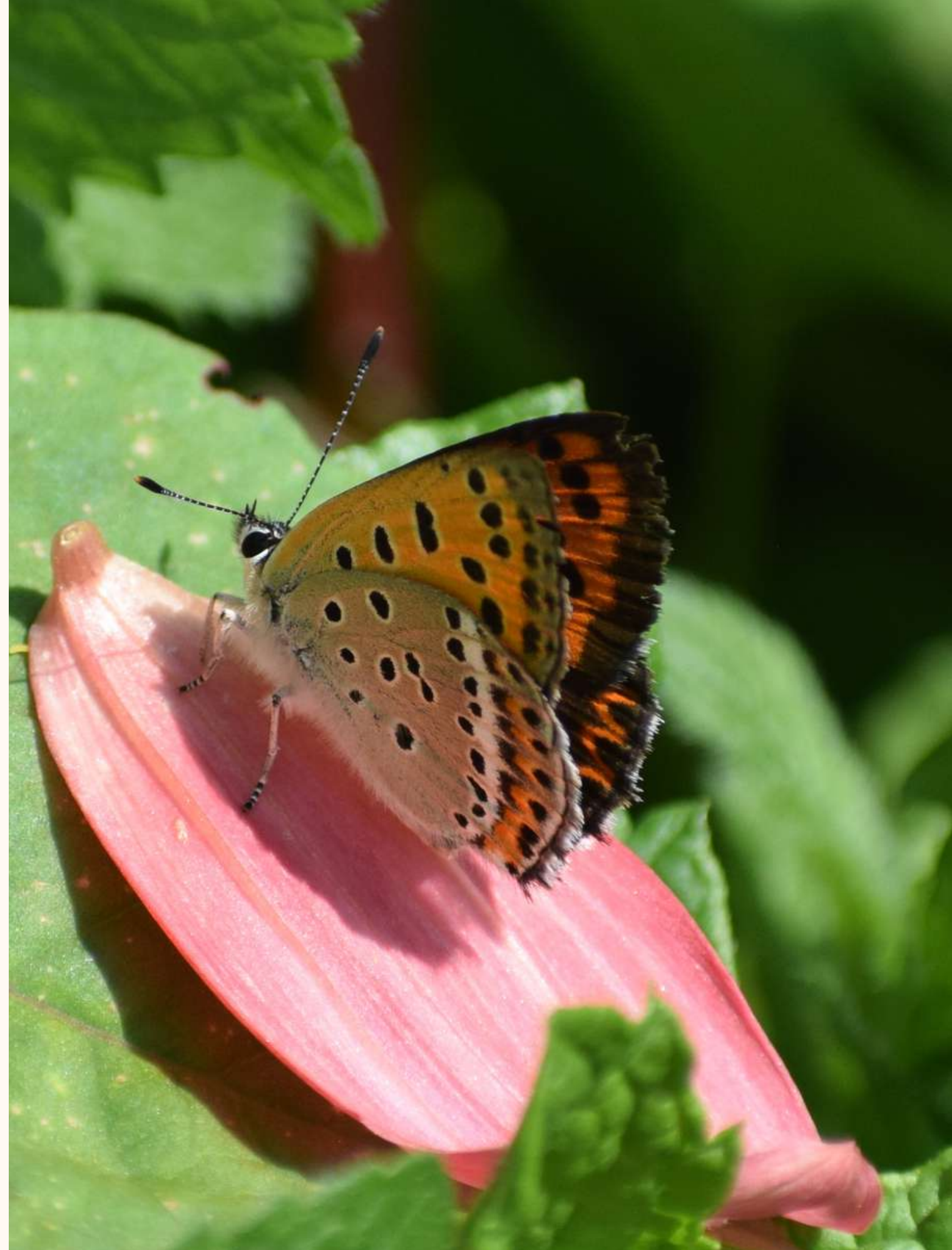


Uncommon



India, Uttarakhand,  
NE, W.Bengal  
Sri Lanka, Bhutan,  
Myanmar  
Nepal,





## WHITE - BORDERED COPPER

*Lycaena panava*



common

Blues

*Rumex* spp.

37-40mm

Mar-Oct



India, Uttarakhand,  
J & K  
Nepal,  
Pakistan



## WEST HIMALAYAN PIED FLAT

*Pseudocoladenia fatih*



common

Skippers

Not known

42mm

Apr-Oct



India,  
Uttarakhand,  
Himachal, Nepal



## WESTERN COURTIER

*Sephisa dichroa*



Uncommon

Nymphalids

Not Known

60-75mm

Mar-Oct



India, Uttarakhand,  
J & K  
Nepal,  
Pakistan





# YELLOW COSTER

*Acraea issoria*

Nymphalids

Himalayan Raspberry,  
Debregeasia spp.

45-85mm

Mar-Oct



common



India, Uttarakhand,  
NE, Nepal  
, Bhutan,  
Myanmar



## YELLOW PANSY

Junonia hierta

Nymphalids

Barleria, Hygrophila,  
Touch-me-not

45-60mm

jan-Dec



common



India, Uttarakhand,  
Sri Lanka, Bhutan,  
Myanmar  
Nepal,  
Pakistan

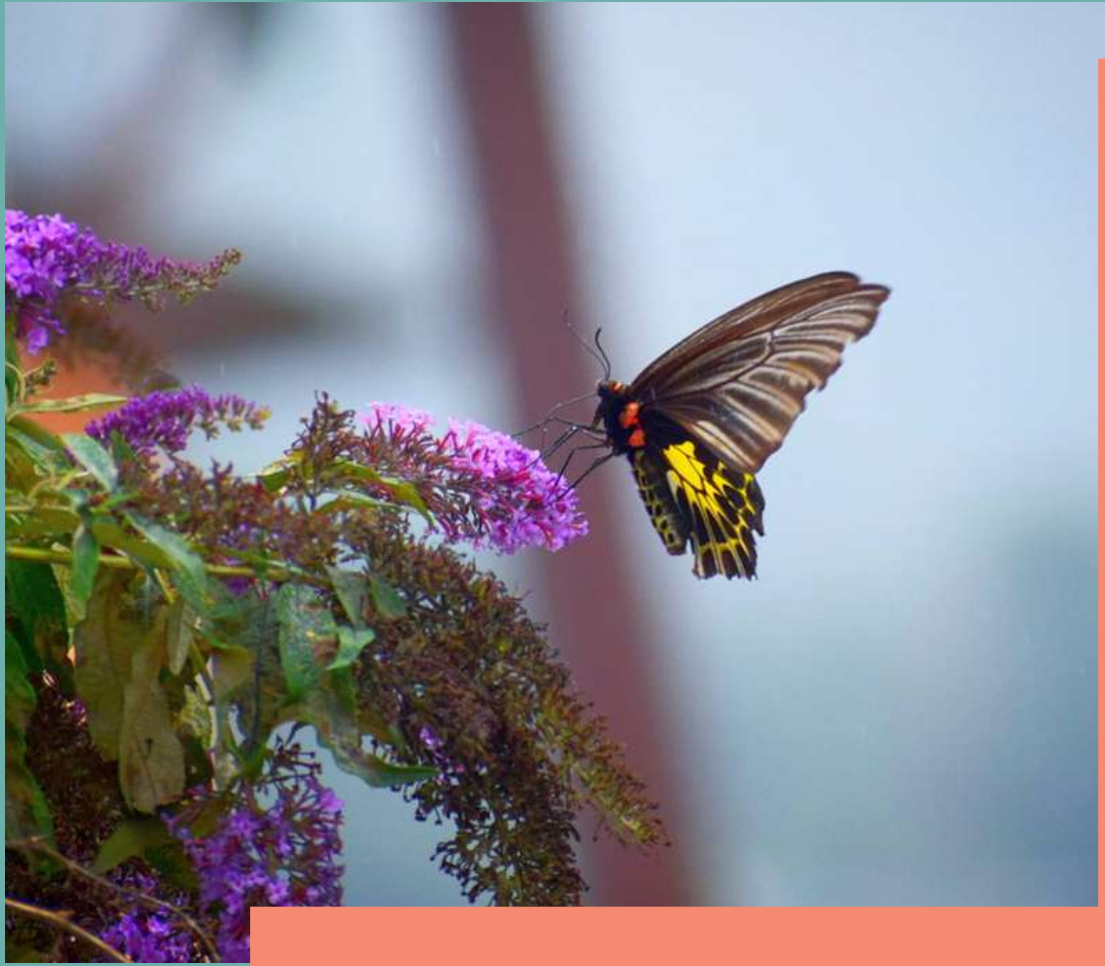




## **MUDPUDDLING & CARRION FEEDING**

For most of us, butterflies and flowers go together, as butterflies are supposed to get their nutrition from flower nectar. But flower nectar, though rich in sugar, lacks some essential nutrients like certain mineral salts and amino acids required by the butterflies. To get these "other" nutrients, adult butterflies have to feed on a wide variety of resources ranging from rotting overripe fruits, animal dung, urine, bird-droppings, human sweat, dead crabs, and other dead animals (carrion).

# PLANTS THAT ATTRACT BUTTERFLIES



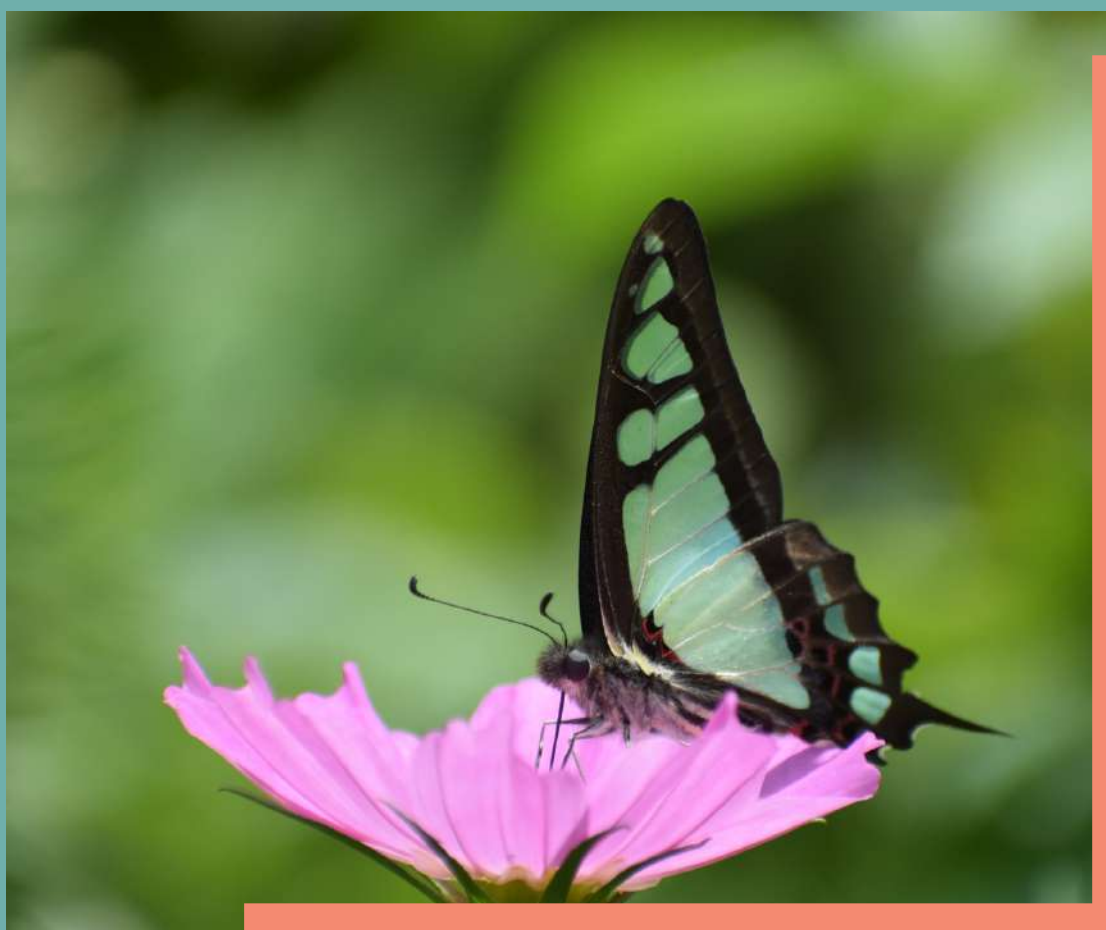
## Butterfly Bush

*Buddleia davidii*



## Common Daisy

*Bellis perennis*



## Cosmos

*Cosmos bipinnatus*



## Lavender

*Lavandula angustifolia*

Buddleia is considered highly invasive. Check with your local county extension office to learn if this is a wise choice for your garden.

# INTERESTING FACTS ABOUT BUTTERFLY

- ✈ The largest butterfly in the world is the female Queen Alexandra Birdwing butterfly (*Ornithoptera alexandrae*) in New Guinea (wingspan 320 mm). Golden Birdwing (female), with a wingspan of 194 mm is India's largest butterfly.
- ✈ The smallest butterfly in the world is the Western Pygmy blue (*Brephidium exilis*) (wingspan 15 mm). Grass Jewel with a wingspan of 15 mm is India's smallest butterfly.
- ✈ Some butterflies live in their adult state for only a few days (examples include the coppers and small blues). The Brimstone butterfly (*Gonepteryx rhamni*) has the longest lifetime of the adult butterflies: 9-10 months.
- ✈ The fastest butterflies are skippers which can fly at 37mph, but most fly at 5-12mph.



# REFERENCES

BNHS Field Guides, Butterflies of India, Isaac Kehimkar

Butterflies of Uttarakhand, Sanjay Sondhi, Krushnamegh Kunte

Biodiversity Atlas - India

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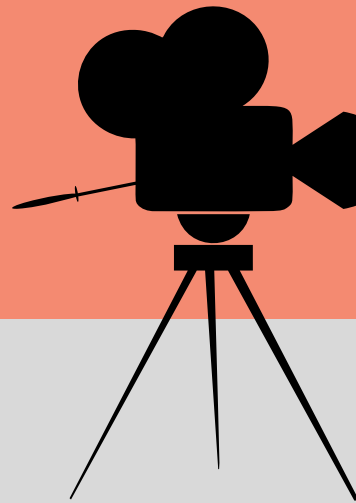
Brijesh Dharmshaktu, Munsiri, Uttarakhand

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Design and layout by the Villagers Foundation Team



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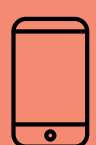
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# Tips on how to create a Butterfly Garden

- 🦋 Find out the common butterfly species in your area in a radius of 5 km and plant caterpillar food plants in the garden accordingly.
- 🦋 Plant flowering plants in large groups, and those which flower at the same time.
- 🦋 Avoid the use of insecticides and herbicides.
- 🦋 Provide a few sheltered areas, like dense shrubs or hedges to protect them from wind and rain, and provide caterpillars a place to pupate.
- 🦋 Maintaining a damp area in the garden may also help attract groups of butterflies to mudpuddle. Add cattle urine and dung to make it more attractive, as butterflies need certain salts too.
- 🦋 Try to plant rattlepod and Indian turnsole to attract male Milkweed butterflies like tigers and crows.
- 🦋 Keeping pieces of overripe fruits like banana, pineapple, or guava will bring in butterflies like Sailors,

