

RAWEP GUNDLAGURKI



19/10/2023:

➤ GRAMA SABHA :

- Conducted Grama Sabha to communicate the objectives of RAWEP
- We enumerated the agricultural problems that were identified during our field visits
- Manchanabele Gram Panchayat President Mrs. Nethra , Gram panchayat members and progressive farmers of the village attended the programme.
- Dairy Secretary Venugopal requested the villagers to cooperate with the RAWEP Students.

➤ IC INAUGURATION :

- Information Centre '**KRUSHI BUTTHI**' was inaugurated by the guests



23/10/2023:

PARTICIPATORY RURAL APPRAISAL (PRA)

- Conducted Participatory Rural Appraisal (PRA)
- Different techniques to collect data are as follows :
 - Village map
 - Mobility map
 - Venn diagram
 - Crop calendar
 - Crop pyramid
 - Food pyramid
 - Landholdings
 - House types
 - Daily routine
 - Technology map
 - Preference ranking
 - Problem tree



RAWEP

DODDARAYAPPANAHALLI :



31/10/2023 :

- Celebration of National Unity Day with students of Government Higher Primary School
- **JATHA** – We marched around the village and conveyed the villagers about the purpose and objectives of RAWEP



1/11/2023:

- Visit to vineyards :
Problems identified: Thrips damage on berries
Rust disease



Recommendation :

- Fluximetamide @ 1ml/L for controlling thrips
- Propiconazole(Tilt) @ 1ml/L for rust

01/11/2023 :

➤ Celebration of Kannada Rajyothsava at Govt. HPS, Doddarayappanahalli



2/11/2023

- Identification of chrysanthemum varieties grown: Scent yellow
Poornima
Aishwarya
Scent white
- Harvesting of chrysanthemum at farmer's field
- Problems identified :
 - Bud rot
 - Thrips damage
 - Septoria leaf spot
 - Spraying of higher doses of insecticide than the recommended dose
 - Spraying without proper precautions
- Intervention : Suggested them to spray right quantity of insecticides with proper precautions and to adopt IPDM


02/11/2023:

- Visit to pomegranate orchard :
 - Observed pruning in pomegranate
 - Variety grown: Bhagwa
 - Problems identified : Thrips damage at flowering stage
Sunburn



- Intervention : Training to local people about technical aspects of pruning to reduce labour cost

Chaff cutter

 GPS Map Camera

Doddaballapura, Karnataka, India

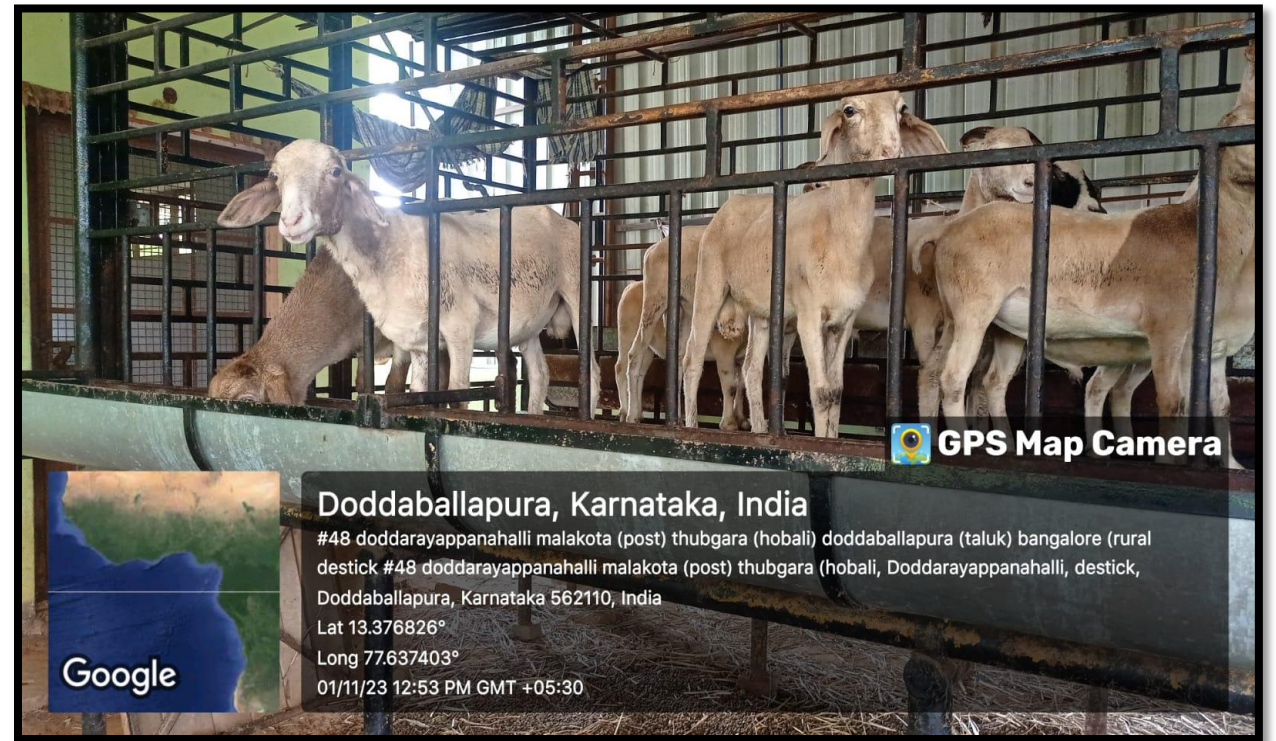
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
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Google



 GPS Map Camera

Doddaballapura, Karnataka, India

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Doddaballapura, Karnataka 562110, India

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Stall feeding in sheep

03/11/2023 :

➤ Method demonstration on soil sampling:



➤ Visit to cauliflower field :

- Observed Black Rot disease in cauliflower, a bacterial disease
- Observed bolting, a physiological disorder caused due to variation in temperature during curd formation
- Suggested mulching, early planting and frequent watering to prevent bolting



- Recommended Kocide (Copper hydroxide) for controlling black rot

05/11/2023 :

- Visited cauliflower field
- Observed Diamond Back Moth (DBM) , *Plutella xylostella* damage symptoms
- Observed different developmental stages of DBM
- Recommended IPM practices for managing DBM



04/11/2023 :

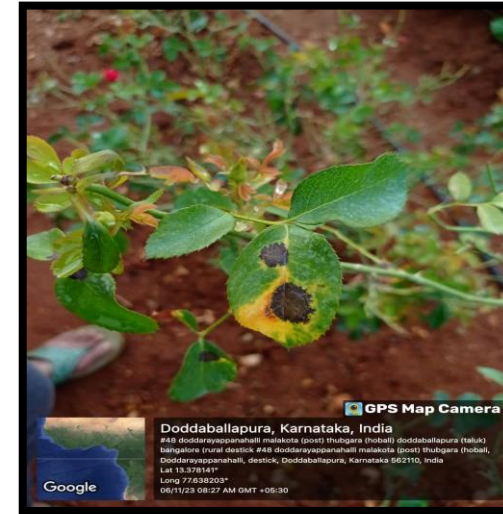
➤ Field visit to rose garden :



Premature flowering



Die back in rose



Black leaf spot

➤ Intervention :

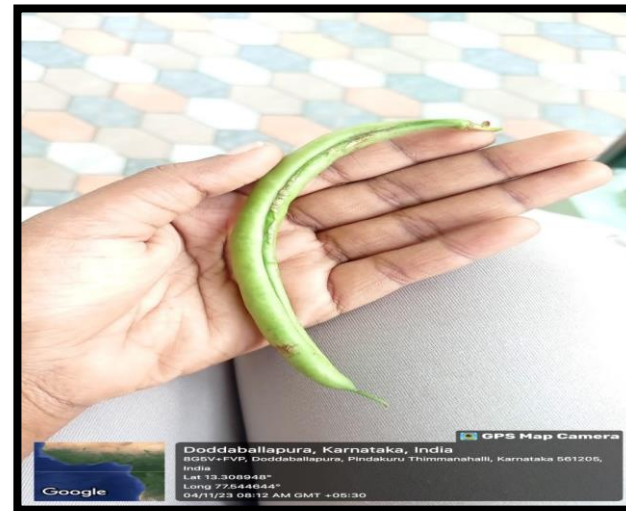
Recommended disbudding practice to improve vegetative growth for getting higher yield

Recommended Confidor (imidacloprid) @ 1ml /L for scales which lead to dieback

➤ Field visit :



Intercropping of cauliflower in arecanut



Thrips damage on beans



Grey blight in arecanut

05/11/2023 :

- Visited cauliflower field
- Observed Diamond Back Moth (DBM), *Plutella xylostella* damage symptoms
- Identified different developmental stages of DBM
- Recommended IPM practices to control DBM



06/11/2023:

- Visited ragi field and observed damage by ear head caterpillar
- Visited chrysanthemum plot and identified wilt disease and *Septoria* leaf spot
- Suggested spot drenching with Carbendazim @1g/L or Topsin M @ 1mL/L for wilt management and application of *Trichoderma* enriched FYM



Earhead caterpillar damage in ragi



Septoria leaf spot



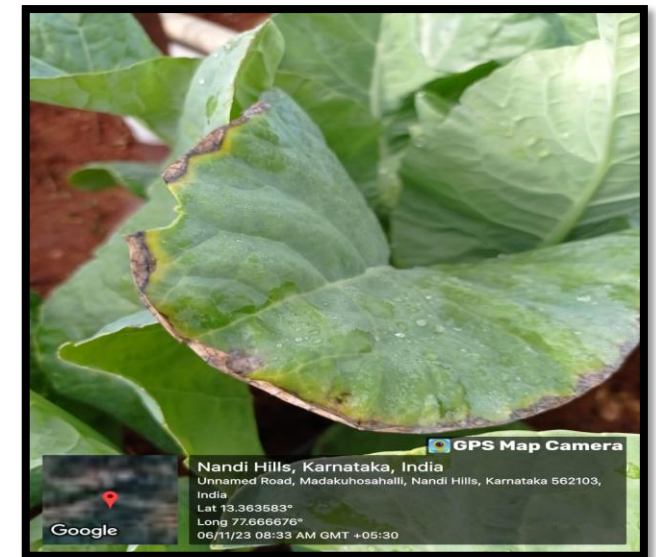
Wilt in chrysanthemum

Visit to cauliflower field :

- Identified borer damage
- Observed potassium deficiency



Borer (*Hellula undalis*) damage on cauliflower



Potassium deficiency

Integrated Pest and Disease Management Programme :

- Conducted IPDM programme on vegetables in collaboration with KVK, Hadonahalli
- Darshini, Plant Protection Specialist explained different management practices for controlling pest in major vegetables like tomato, polebeans and cauliflower.

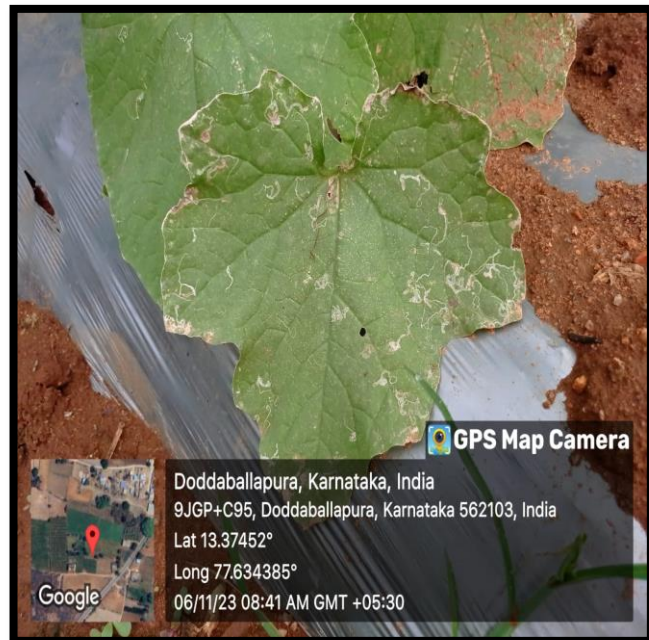
Training Programme on Oyster Mushroom Cultivation :

- Ms. Nagarathamma, an entrepreneur succeeded in mushroom cultivation explained about the cultivation of oyster mushroom and briefed on its economics.
- We demonstrated the procedure for oyster mushroom cultivation.

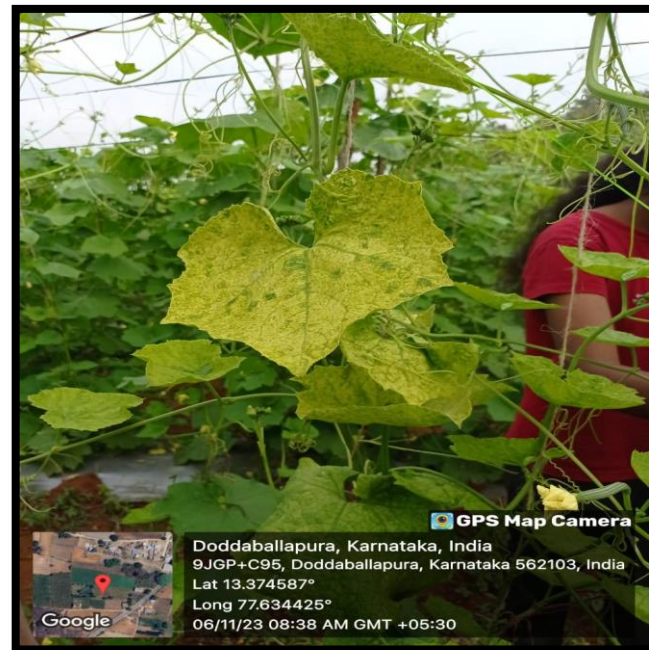


Visit to ridge gourd field :

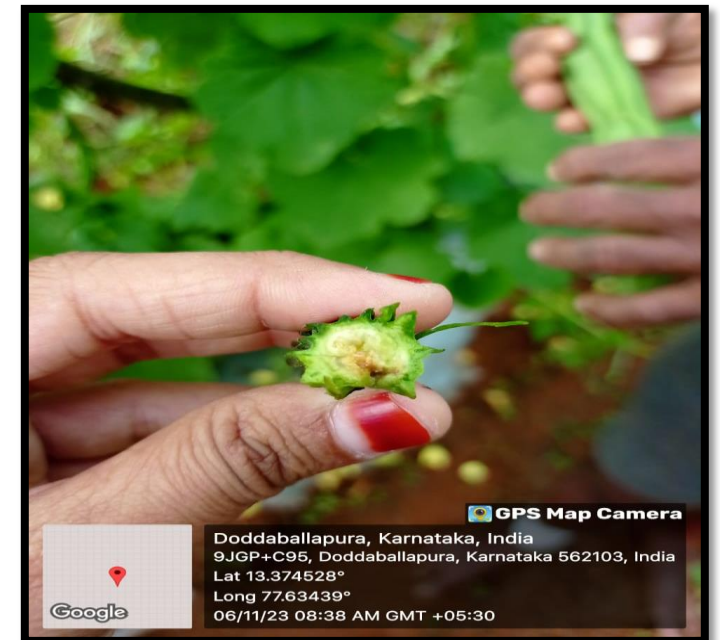
- Observed leaf miner, fruit fly damage and yellow mosaic disease
- Suggested installation of Que lures for managing fruit fly



Leaf miner damage on ridgegourd



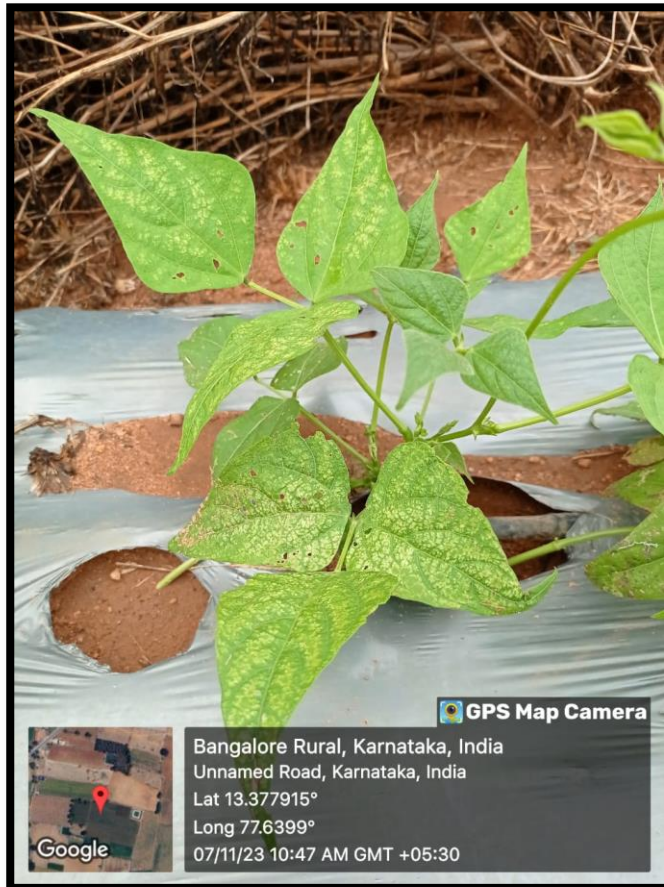
Yellow mosaic disease on ridgegourd



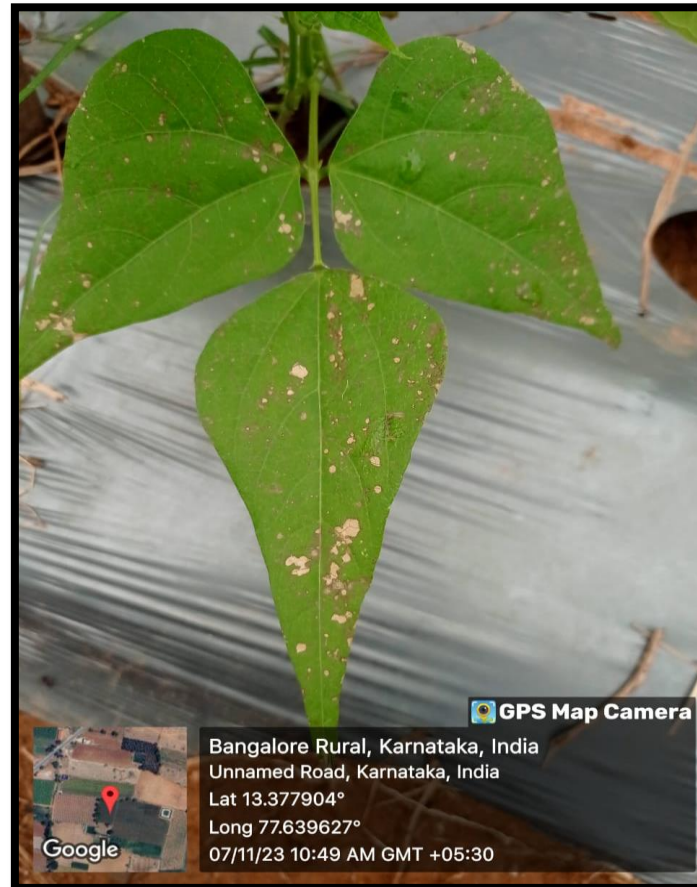
Ridge gourd fruit bored by fruit fly maggot

07/11/2023:

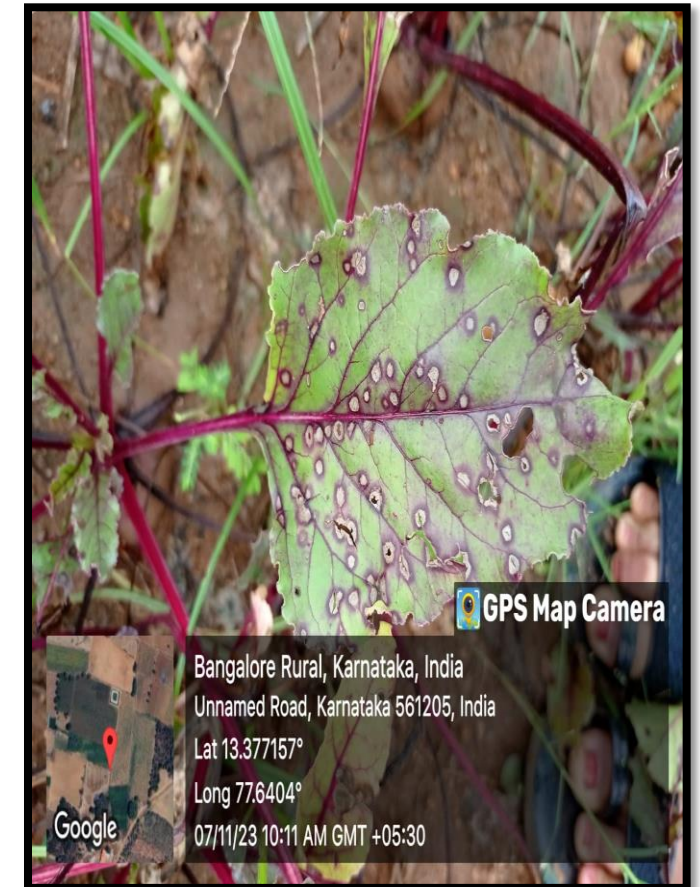
➤ Visited fields of vegetable crops namely polebean, beetroot and tomato



Common bean mosaic virus



Cercospora spot on polebeans



Cercospora spot on beetroot

Visit to tomato field :

- Observed early blight symptoms on various parts of tomato plant
- Observed Tomato Leaf Curl Disease and suggested proper vector management



Early blight (*Alternaria solani*) damage on tomato



Tomato Leaf Curl

08/11/2023:

- Conducted night meeting on these following topics :
 - Soil fertility and soil sampling
 - Importance of biofertilizers
 - Seed treatment with biofertilizers and biocontrol agents
- Demonstrated the procedure of seed treatment with biofertilizers
- Soil sampling procedure was displayed through video



Soil sampling procedure



09/11/2023 :

- Along with Dr. Murali Mohan, Professor, Department of Entomology visited cauliflower field of Abhishek
- Observed *Spodoptera litura* damage on cauliflower
- Identified different stages of *Spodoptera*
- He suggested removal of affected leaves in initial stages and recommended Emamectin benzoate (Proclaim) @ 0.4g/L



Damage by *S. litura* (skeletonization)



Larvae of *S. litura*

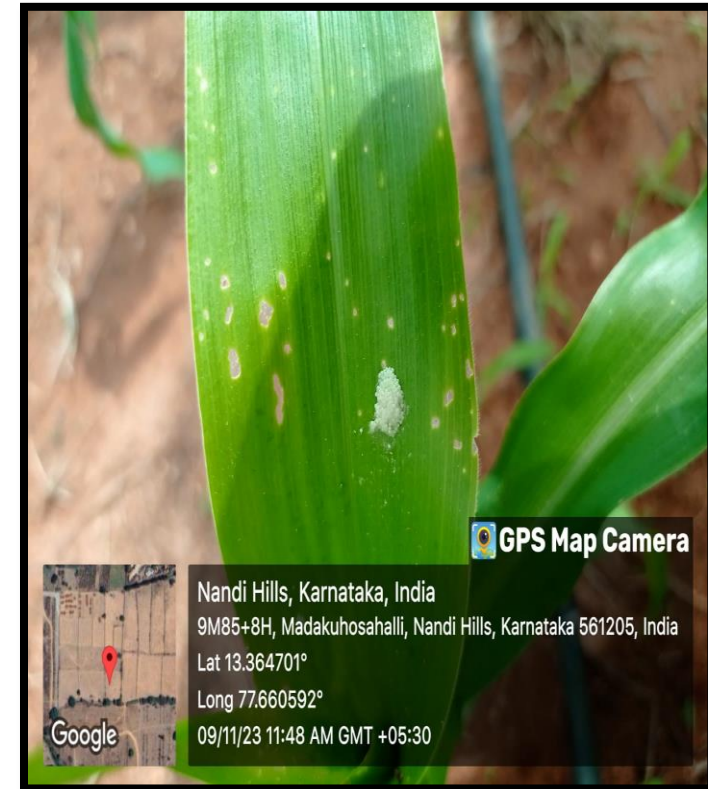


Visit to sweet corn field :

- Visited sweet corn field and observed Fall Army Worm (*Spodoptera frugiperda*)
- Dr. Murali Mohan recommended IPM practices such as seed treatment with Fortenza duo, Tricho cards , usage of entomopathogens and spraying of spinetoram (Delegate) @ 0.4ml/L



FAW damage on sweet corn



Egg mass of *S. frugiperda*

16/11/2023 :

PARTICIPATORY RURAL APPRAISAL (PRA)

- Conducted Participatory Rural Appraisal (PRA)
- Different techniques to collect data are as follows :
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Daily routine



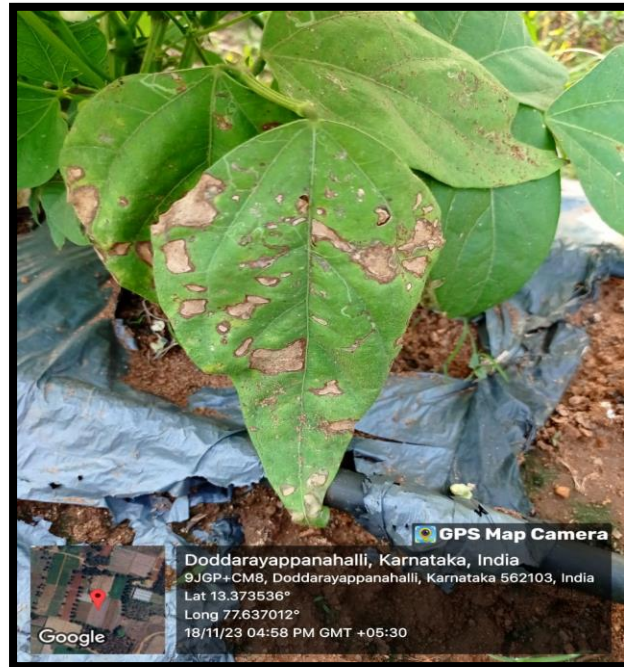
Crop calendar



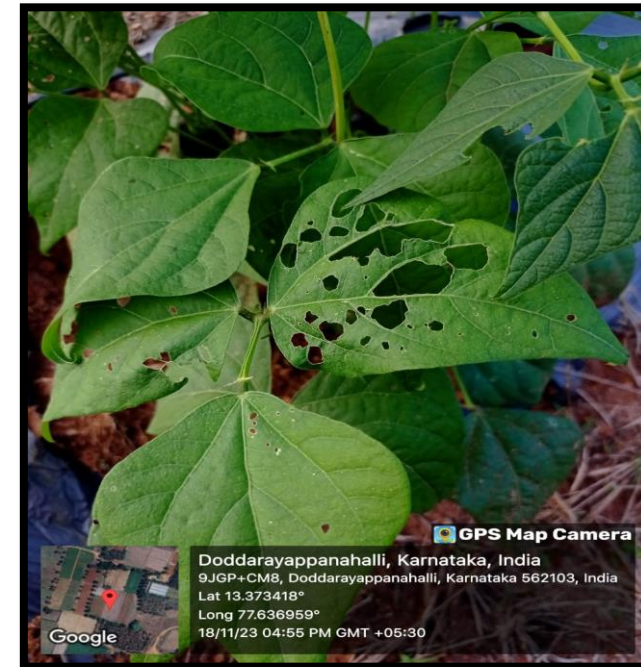
Crop pyramid

18/11/2023 :

- Visited pole beans field of Mr. Pavan and observed different damages at the stage of 35 days
- Observed anthracnose caused by *Colletotrichum lindemuthianum* and grasshopper damage on leaves



Anthracnose (*Colletotrichum lindemuthianum*)



Defoliation by grasshopper

19/11/23 to 22/11/23 :

- Land preparation for crop museum plot
- Seed bed preparation
- Sowing of cereals, pulses, oilseeds and pulses
- Transplanting of vegetable seedlings

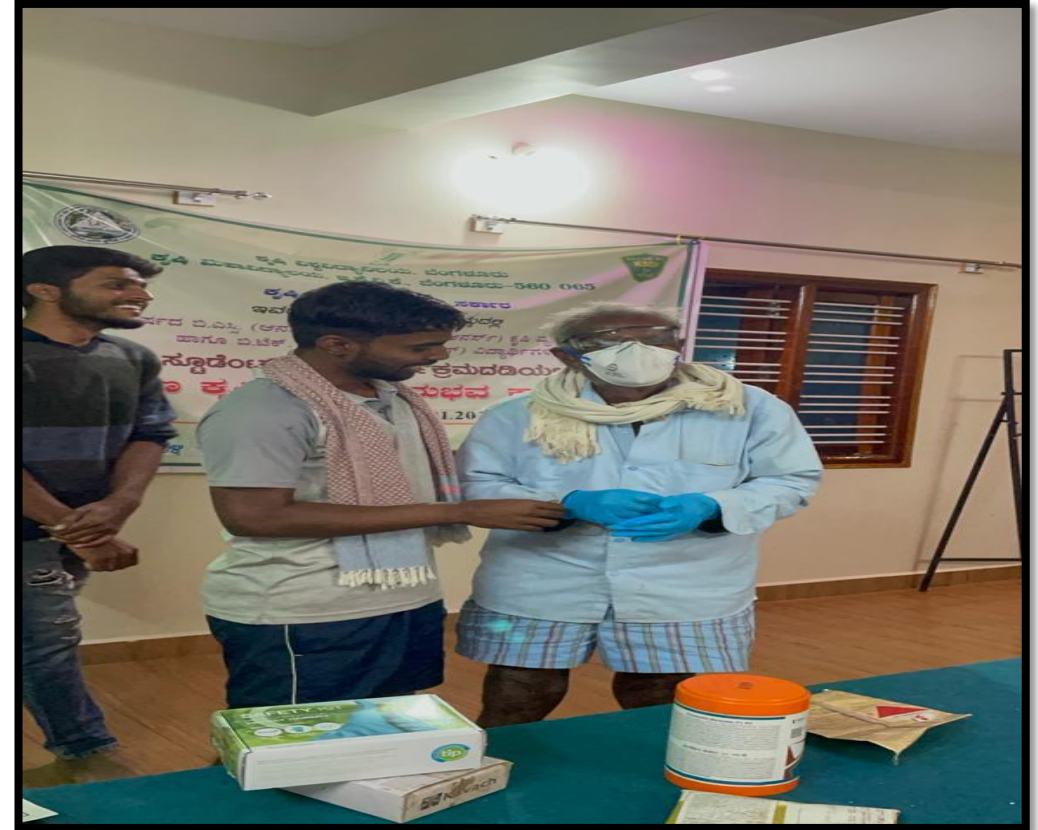


22/11/2023 :

- Conducted night meeting on these following topics
 - Types of insecticides
 - Toxicity labels and safety period
 - Safety measures to be adopted while spraying



- Performed skit on 'Importance of PPE Kit'
- Distributed PPE kits to farmers



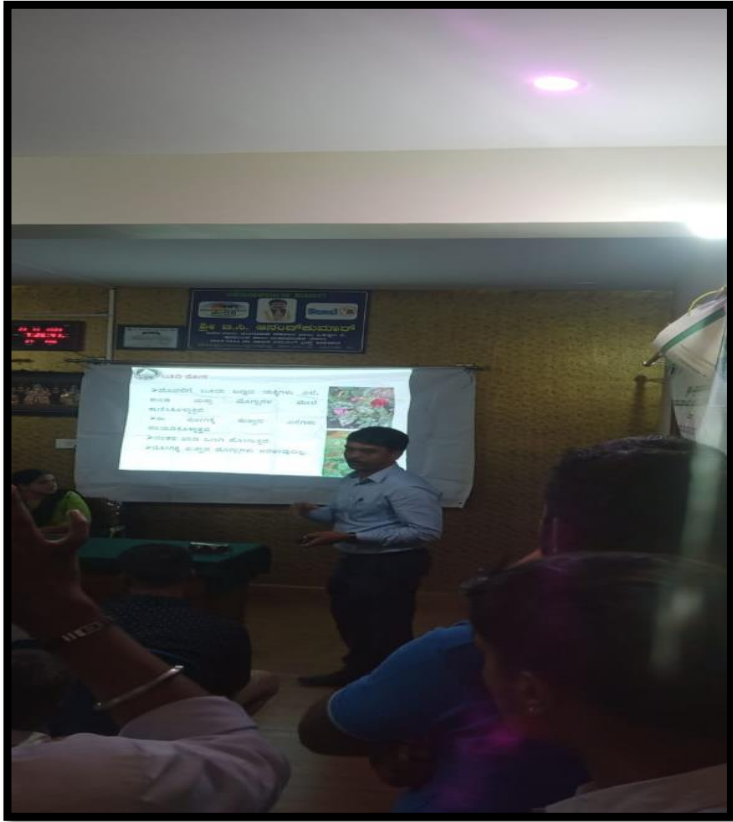
23/11/2023 :

INTEGRATED NUTRIENT, PEST AND DISEASE MANAGEMENT PROGRAMME :

- Conducted INM programme in collaboration with Israel Chemicals Ltd. (ICL).
- Rajesh, Regional Agronomist explained about the different fertilizers and their usage.
- He highlighted their product 'Polysulphate' which is extracted from deep sea in Israel



- Dr. Manjunath , Plant Pathologist , CoA, UASB elucidated on the pest and diseases of rose, chrysanthemum and pomegranate, which are the major crops.
- He guided them on the management practices of these pest and diseases.
- He also interacted with the farmers and clarified their doubts



25/11/2023 :

- Conducted night meeting on the below topics
 - Knapsack sprayer –parts and maintenance
 - Tractor maintenance
 - Borewell recharge



26/11/2023

➤ Weeding and intercultural operations were carried out



27/11/2023 :

- Conducted group meeting on following topics
 - KVIC model biogas
 - Rainwater Harvesting
 - Hand operated weeders
 - Custom hiring centre



28/11/2023 :

- Biofuel unit , GVKK , conducted an awareness programme on 'Biofuel Plant Species and their Importance
- Information was given on different biofuel trees and their uses
- We distributed saplings of biofuel trees to farmers



29/11/2023 :

- Conducted group meeting in the presence of RAWEP teachers Dr. M T Laxminarayan, Dr. Mamatha, Dr. Pushpa and Dr. Jayanthi
- We demonstrated preparation of value added products of milk and ragi.
 - Ragi halubai
 - Malai burfi



30/11/2023 :

- Conducted drawing , quiz and essay writing competition for Govt. Lower and Higher Primary School, Doddarayappanahalli, as a part of World Soil Day celebration

04/12/2023 :

➤ **Animal Health Camp :**

- Conducted animal health camp in collaboration with UASB, KVK, Hadonahalli
- Testing of infertile cows , general health checkup and deworming in cattle, sheep and goat were performed by veterinary professionals



- Dr. Venkategowda , KVK scientist, emphasised on the importance of different leguminous fodder for increasing fat content in milk.
- We volunteered in taking entries and distribution of mineral mixture



- We visited dairy farm of Munegowda along with veterinary doctors.
- They inspected a cow with weak anatomical structure and recommended mineral solution **Sharkoferol** @ 30ml which is to be mixed with feeds and fed to cow in the morning and at night.

