



e-NEWSLETTER



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January - March 2024



Plant Protection Adviser's Desk

As the financial year 2023-24 has completed and we step into the new fiscal year 2024-25, it's an opportune moment to reflect on our accomplishments, identify any outstanding goals and strategically plan for the future endeavours to achieve more precisely.

During the F.Y.-2023-24 number of programmes such as APPPC workshop on "Systems Approach for Management of Fruit Flies on Mango" was successfully organized and in continuation to support the Mango export business another workshop was organised by the Directorate at Mumbai during January, 2024 and Virtual Workshop cum Training programme on Phytosanitary aspects for export of mango organised in the March, 2024 wherein more than 500 persons participated.

The first commercial shipment of pomegranate fruits to the United States of America was sent in last quarter. Also, the Directorate has played an important role in phytosanitary negotiations to get the new market access for export of Indian agricultural produce and in the same time Directorate has amicably resolved the issues associated with import of agricultural produce.

We are continuously improving the online "Plant Quarantine Management System-PQMS" for ease of stakeholders. In this line recently, a tab- "IA –Registration" added in PQMS web portal and We hope that this inclusion will help to more precisely monitor the Post Entry Quarantine related aspects.

Throughout the F.Y. 2023-24 the Directorate has sincerely played its role in the creation and field trail of "National Pest Surveillance System (NPSS)". The development of NPSS almost at final stage and hope this AI/ML online system will play a crucial role in effective pest monitoring and will provide the instantaneous solution to the farming community as well as the policy level. Beside the regular programme such as pest monitoring, organizing FFS, human resources development programmes, Season long training programme on Cotton and Mango, the IPM division and all field stations across the country has trained 2760 Nos. of Farmers from 276 districts of various states as scout of NPSS to support AI pest surveillance system in India. Hopefully, the farmers of remaining 480 districts will be trained on various crop-pest combinations during 2024-25.

The Directorate is committed for welfare of the farmers and to ensure the availability of quality pesticides in the market, beside the regular inspections and audits of input manufacturing units / supply chains, two numbers of special drive undertaken for sampling and analysis of pesticides in Kharif and Rabi crop season 2023-24. Most of the RCIPMCs have made the Bio pesticide testing laboratory to support quality control of Bio-pesticides. To foster the Public-Private partnership an MoU was signed between DPPQ&S and Confederation of Indian Industry for developing Integrated Pesticide Management System (IPMS).

A major milestone achieved in administration by on-boarding of GCS cadre (Tech.& Non-Tech.) employee on e-HRMS 2.0 portal. Out of the total incumbency of Directorate of PPQS (1070) more than 90% employee have been on-boarded on the portal and their profile verification have been completed and this will be ensuring routine activities of HR management are done efficiently. The e-HRMS system has been launched by GOI to maintain database of all employees in Online environment in updated manner. To adhere the Government's policy for email correspondence, a designated admin console has been established and this console facilitates the creation of government email accounts for all staff members of DPPQ&S.

Efforts were made in compliance to the mission mode recruitment campaign launched by the Honourable Prime Minister and consequently more than 250 numbers of new officials have joined the Directorate in recent past at different level. These young minds bring a range of diverse backgrounds, perspectives and experiences with them. The current generation has grown up with technology, they are often highly proficient in using it. Today's scenario is

unique and ever-changing. New recruits are often enthusiastic about their work and take on new challenges, which can bring a significant change in the Directorate.

The onset of a new financial year aligns with the arrival of spring—a season of renewal, where old leaves fall, fresh blooms emerge and the yields of winter season hard work are ready for harvest. Let's embrace this season of growth and set our sights on achieving even greater success!

And finally, "I would like to express my appreciation to the officers and staff of the Directorate in achieving the tasks assigned to them. I also extend sincere gratitude to our senior officers of the DA&FW for their continuous support, encouragement and guidance in executing various programs and activities related to plant protection".

- Dr. J.P. Singh
Plant Protection Adviser



Catalogue

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- **Trainings and Workshops**
- **Bilateral Phytosanitary Negotiations**
- **Special Achievements & Events**
- **The Gazette of India Notifications**
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*Highlights***Integrated Pest Management (Efforts of CIPMCs):**

- During the period **3.64** lakh ha. of crop area was surveyed and issued **two** advisories for the management of the important pests.
- **1060.28** million biocontrol agents were released across **0.43** lakh ha. area for managing pests.
- Successfully conserved the natural habitat of bio agents in over **2.71** lakh ha.
- In Rabi season **19** FFS were conducted in which **665** farmers were trained about IPM practices.
- **49** two days HRD programmes were conducted where **2729** Nos. of AEOs, NGOs, Lead Farmers, Private Entrepreneurs were trained on IPM measures.
- **5** nos. of five days HRD programmes were conducted where **216** Nos. of AEOs of various states were trained on IPM measures.

Plant Quarantine (Efforts made by PQ stations):

- ♣ Facilitated export of Agricultural commodity and issued **1,57,854** numbers of Phytosanitary Certificates for **103.88** lakh MTs. of various Agricultural commodities.
- ♣ Issued Import clearance for **32,703** numbers of Agricultural consignments for **51.76** lakh MTs.
- ♣ **225** numbers of quarantine pests in **213** import consignments were detected and have been succeeded in preventing the entry of exotic pests through an effective PQ inspection system.
- ♣ Successfully negotiated on phytosanitary issues and gained three new market access for export.

No. of certificates of registrations/accreditations of Agencies issued during the quarter

Name of registrations/accreditations of Agencies	Nos.
Methyl Bromide (MBr) Fumigation Agency	19
Aluminium Phosphide (ALP) Fumigation Agency	17
Forced Hot-Air Treatment (FHAT)	16
Rice Mills / Processing Units for Rice Export to USA	02
Rice Mills / Processing Units for Rice Export to China	02
Processing Units for export of Peanut	03
Pack Houses for Export of Pomegranate Fruits to USA	04
Pack Houses for Export of Mango Fruits to USA	01

Admin:

- 90% of employees have been on-boarded on the portal e-HRMS 2.0.
- DA Admin Console has been created for creation of .gov e-mail accounts of the staff of Directorate.

New Appointments:

02 incumbent joined as Assistant Plant Protection officer and Scientific Assistant in the Directorate during the quarter January to March, 2024.

Best Wishes

Central Insecticide Laboratory, Regional PTLs and Techno Legal Cell:

- ▲ RPTL's tested **855** numbers of samples, out of which **70** were declared misbranded.
- ▲ The CIL tested **587** samples, out of which **164** were found misbranded.

Central Insecticide Board and Registration Committee:

- The committee has issued Certificate of Registration for a total number of **3369** pesticides out of which **34** were issued for bio-pesticides, **3025** for chemical pesticides and **310** were issued for export purpose.

Locust Warning Organization (Efforts by LWO/LCOs/FSIL):

- Conducted Desert Locust Survey in **28.523** lakh ha. Published & circulated six locust information bulletins during the quarter highlighting current locust situation in India and neighbouring countries.

Rajbhasha Hindi:

The fourth quarterly meeting of Official Language Hindi was organized at Regional Plant Quarantine Station, Amritsar on 30/01/2024.



The meeting of Parliament committee on Official Language was held at Hqrs. DPPQS on 19.03.2024. Dr. J. P. Singh, PPA and other officers of the Directorate attended the meeting.

The orientation programme on Kanthasth 2.0 (Online Hindi Translation Tool) was conducted at Hqrs. DPPQS by Rajbhasha Hindi Anubhag on 17.01.2024



Second Official Language Inspection carried out by the Sub-Committee of Parliamentary Committee on official language of Central Integrated Pest Management Centre, Jaipur on 15th to 16th January 2024.

Planning and Coordination Unit:

- Inter-session meeting of the Consultative Committee to the Ministry of Agriculture & Farmers Welfare on “Plant Protection and Central Insecticides Board” held on 30.01.2024 (Tuesday) at 6:00 P.M. at Committee Room ‘C’, Parliament House Annexe, New Delhi under the presiding of Shri Arjun Munda, Hon'ble Minister of Agriculture and Farmers Welfare. During the meeting Shri Kailash Choudhary, Hon'ble Minister of State (Agriculture & Farmers Welfare) and Ms. Shobha Karandlaje, Hon'ble Minister of State (Agriculture & Farmers Welfare), Sh. Manoj Ahuja, Secretary (A&FW), Dr. Pramod Meherda, Addl. Secretary (PP), Sh. Ashish Kumar Shrivastava, Joint Secretary (PP), Dr. J.P. Singh, Plant Protection Adviser and Dr. Archana Sinha, Joint Director (Chem.) were present.
- Facilitated training of one personnel at ICAR-NBAIR, Bengaluru on “Recent Advances in Molecular Diagnostics of Insect Species including Invasive and their Natural Enemies” during 18.01.2024 to 07.02.2024.
- Facilitated participation of four participants in ISRO’s Disaster Management Support Programme (DMSP) sponsored training program on “Applications of Space Technology for Disaster Management Support with Special Emphasis on Desert Locust Surveillance over Northern States of India” during 29.01.2024 to 02.02.2024 at ICAR-NBAIR, Bengaluru.
- A total of 56 nos. of RTI requests and 72 of grievance requests were resolved during the quarter.
- The Draft Reply of all the Parliamentary Questions have submitted to DA&FW within the stipulated time period.

Directorate’s participation in online training programmes organized by Institute of Secretariat Training & management)

Sl. No.	Training Programme	Duration	No. of Participants
1	“Preparation of Expenditure Finance Committee/ Standing Finance Committee (EFC/SFC-03)”	14 th to 16 th February, 2024	01
2	“Inter Personal Effectiveness (IPE-07)”	26 th & 27 th February, 2024	07
3	“Right to Information - Public Information Officers (RTI-PIO-36)”	04 th to 06 th March, 2024	20
4	“Government e-Marketplace (GeM-04)”	11 th & 12 th March, 2024	34

International Participations

“Inter – Governmental Sub Committee (IGSC) meeting between India and Nepal”



Dr. J.P. Singh, Plant Protection Adviser participated in the “Inter – Governmental Sub Committee (IGSC) meeting between India and Nepal” held at Kathmandu, Nepal during 12th & 13th of January 2024. During the meeting the Trade Transit and Cooperation between India and Nepal were discussed.

Special Events & Achievements

Visit to PAU, Ludhiana



Punjab Agriculture University, Ludhiana, conferred an award of honour to Dr. J. P. Singh, Plant Protection Adviser for delivering a guest lecture on "Regulatory Mechanisms for Pesticide Registration and Bio-Security" on 7th February, 2024.

Participation in Chief Commissioners conference on Customs

Dr. J. P. Singh, PPA attended the Chief Commissioners conference on Customs matters at Bhopal during 15 – 16, February, 2024 and participated in the panel discussion on issues related to Bio-security, Plant Quarantine and import of pesticide's.



Participation in National Conclave on "Readiness of Crop Protection Industry for Ensuring Food Security by 2047"

Dr. J. P. Singh, PPA participated in the National Conclave on "Readiness of Crop Protection Industry for Ensuring Food Security by 2047" organised by PHD Chamber of Commerce and Industry (PHDCCI) at PHD house, New Delhi on 26th February, 2024.





Inauguration of Bio-Pesticide Testing Laboratory

Dr. J. P. Singh, Plant Protection Adviser, inaugurated Bio-Pesticide Testing Laboratory at Regional Central Integrated Pest Management Centre, Lucknow on 3rd January, 2024.

75th Republic Day Celebrations

JANUARY

75th Republic Day was celebrated in the Directorate on 26th January 2024. Dr. J. P. Singh, PPA unfurled the tricolour and honoured the architects of our constitution. All the staff from the Directorate were also present at the event.





Participation in Entomology Student's Conclave 2024

Dr. J. P. Singh, PPA attended and addressed the gathering in the Entomology Students Conclave 2024 held at GKVK, Bengaluru during 24-25 February 2024.



Participation in Indian Society of Mycology and Plant Pathology (ISMPP) 3rd Asian Congress

Dr. K.L. Gurjar, JD (PP) attended and addressed the gathering at 3rd Asian Congress held during 7th-10th February, 2024 on Plant Pathology: Plant and Soil Health Management for a Better Tomorrow organized by Indian Society of Mycology and Plant Pathology, RCA, MPUAT, Udaipur, Rajasthan, India & Sardarkrushinagar Dantiwada Agricultural

University Sardarkrushinagar, Gujarat, India at C.P. College of Agriculture Sardarkrushinagar Dantiwada Agricultural University Sardarkrushinagar-385 506 Gujarat (India).



Participation in ICAR-NBAIR Industry-Interface Meet-2024

Dr. K.L. Gurjar, JD (PP) participated in the ICAR-NBAIR Industry-Interface Meet-2024 held at ICAR-NBAIR, Hebbal campus on 20th March, 2024. He addressed the gathering on regulatory compliance measures.



Flag off Ceremony of First Consignment of Pomegranate Fruits to USA

The first commercial shipment of pomegranate fruits to the United States of America by Sea was flagged off by Shri Rajesh Agarwal, Additional Secretary, Ministry of Commerce, GoI on 28.02.2024.



Participation in Indian Seed Congress 2024



Dr. Brajesh Mishra, JD(E), RPQS, Mumbai participated in the “Indian Seed Congress 2024” organized by National Seed Association of India held at Pune, Maharashtra on 29th February to 1st March 2024 and delivered a talk on ‘Phytosanitary Measures: Overview of Regulatory Framework in Indian Seed Trade’.

DID YOU KNOW?

The two mildews that toppled French Wine Industry



Powdery Mildew (1851)

Powdery mildew was first noticed in North America in 1834. Later in 1845 it was reported in France after import of plant material from North America.



By 1851 the disease had reached every grape-growing country of Europe, causing its maximum damage in France in 1854.

It reduced French Wine production by 80 % in that year and the prices of wine doubled.

Downey Mildew (1878)

To control Phylloxera aphid, resistant grape rootstocks were introduced to Europe from North America that led to the introduction of the downy mildew fungus in 1878.



The downy mildew fungus was first noted in 1878, and by 1882 it had spread to all of France.

More than half of vineyards were destroyed & later in 1915, 70% of the French grapevine production was destroyed by this pathogen. In 1930, 20 million liters of wine were lost in France.



Participation in Capacity-Building program and Workshop on Agricultural Products Export Promotion

PQS, Madurai participated in Capacity-Building program and Workshop on Agricultural Products Export Promotion for exporters, start-ups, farmers and Farmer Producer Organizations (FPOs) focusing on Agricultural and Processed Food Exports organized by Tamil Nadu Food Processing and Agri Export Promotion Corporation (TNAPEX), Tamil Nadu at Agro Food Trade Centre, Madurai on 01.03.2024.

Participation in Export Promotion Seminar for Agricultural Produce

PQS, Madurai participated in "Export Promotion Seminar for Agricultural Produce" organized by Department of Agricultural Marketing and Agribusiness along with Tamil Nadu Agricultural Marketing Board, Government of Tamil Nadu on 06.03.2024 at Madurai.



Participation in Training on Safe and judicious use of pesticides

CIPMC Trichy participated in "Farmer's Training Programme on Safe and Judicious use of pesticides on adopting IPM practices" conducted by HIL (India) Limited in collaboration with ICAR-KVK, Karur on 27.02.2024 in which the staff of CIPMC, delivered a lecture about "Safe and judicious use of pesticides on adopting IPM practices".

Participation in training cum sensitization on Export procedures and phytosanitary requirements for fruits, vegetables & cereals

CIPMC Trichy participated in 'Workshop on Agricultural and Processed Food Products Export Promotion' organised by TNAPEX and Agribusiness Incubation Forum at Anbil Dharmalingam Agricultural College & Research Institute, Tiruchirappalli on 11.03.2024 and delivered a lecture about "Importance of IPM and sensitization on Export procedures and phytosanitary requirements for fruits, vegetables & cereals."





Destruction of imported Summer Squash seeds by incineration due to interception of Quarantine pathogen

A consignment of Summer Squash Seed for sowing purpose imported from China **found positive to Zucchini yellow mosaic virus** during PQ inspection before clearance. Accordingly, as per the order of RPQS, Mumbai destruction of Summer Squash seeds by incineration method was done on 01.03.2024 in the presence of officers of DPPQS and Officers of Customs Dept.

Bilateral Phytosanitary Negotiations



4th Technical Work Group Meeting between India & European Union on Plant Health

The meeting was held on 12th February, 2024 to discuss bilateral Plant health issues. The meeting was co-chaired by Sh. A. K. Srivastava, JS (PP), DA&FW, MoA & FW, GOI.



Australia – India Plant Health Technical Meeting

The meeting was held on 14.02.2024 at New Delhi to discuss bilateral Plant health issues. The meeting was co-chaired by Sh. A. K. Srivastava, JS (PP), DA&FW, MoA&FW, GOI and Ms. Erin Payne, Assistant Secretary, DAFF, Australia. Representatives from DA&FW, DPPQ&S, APEDA, DoC also participated. Various technical issues of phytosanitary importance were discussed during the bilateral meeting.

Dignitary Visits

Visit to Pack house facilities

Shri Rajesh Agarwal, Additional Secretary, Ministry of Commerce, Gol and Shri Abhishek Dev, Chairman, APEDA visited the integrated pack house and treatment facility for fresh fruits & vegetables at MSAMB, Vashi, Navi

Mumbai on 28.02.2024. They were briefed about the Plant Quarantine activities pertaining to phytosanitary certification, inspection and pack house facilities for fresh fruit and vegetable exports.



Visit to RCIPMC, Kolkata

Dr S. N. Sushil, Director, ICAR-National Bureau of Agricultural Insect Resources, Bengaluru visited RCIPMC Kolkata office, on 27th February 2024.

Visit to RCIPMC, Lucknow

Dr. S. N. Sushil, Director, ICAR-NBAIR, Bengaluru visited RCIPMC, Lucknow Bio-control laboratories on 01.02.2024



Visit to RCIPMC, Lucknow

Dr. T. Damodaran, Director, ICAR-CISH Lucknow visited RCIPMC, Lucknow Bio-control laboratories on 12.01.2024

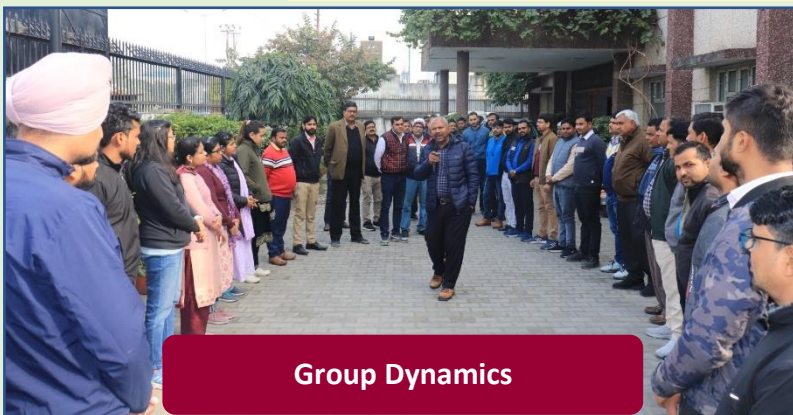


Season Long Training Programme (SLTP)

Season Long Training Programme (SLTP) on Mango crop was organized at RCIPMC, Lucknow during 3rd January to 1st February, 2024. Dr. J.P. Singh, PPA, inaugurated the training programme in which 40 participants (State Agriculture department's officials and other extension workers) were trained as Master trainers in IPM. Dr. J. P. Singh, PPA addressed the trainees on importance of Seasonal Long Training Programme on IPM in Mango.



Preparation of AESA chart by the trainees



Group Dynamics

PAR Activity -- Study of Seed Germination



Practical Session on mass multiplication of BCAs

Visit to Mango Packhouse & VHT facility



In Valedictory session, Dr. S. N. Sushil, Director, NBAIR, ICAR addressed the trainees and expressed their satisfaction for successful completion of training programme on 01.02.2024.

Trainings

&

Workshops

Five days and two days human resource development programme on IPM



Five days human resource development training programme on IPM was organized at RCIPMC, Kolkata for State Agriculture Department Officers/ Officials of West Bengal from 19th to 23rd February, 2024, wherein a total of 40 participants from different districts participated. The technical sessions were mainly focused on reduction of application of harmful chemical pesticides.

Five days human resource development training programme was organized at CIPMC, Morena from 15th to 19th March, 2024, wherein a total of 41 AEO participated. The programme was designed for Rural Agricultural Extension Officers/ Senior Agriculture Development Officer from the State Agriculture Department of Madhya Pradesh to impart training on latest IPM practices for management of pests of cereals and pulses grown in Madhya Pradesh.



Apple orchard in Jammu & Kashmir witnessed incidence of Apple leaf blotch miner pest during Kharif 2023-24 and same alert is also issued by NBAIR. In view of this incidence, IPM Division has constituted a central team to ascertain the damage caused by Apple leaf blotch miner and issued advisory. For promotion of IPM practices for management of Apple leaf blotch miner (ALBM) in Jammu & Kashmir, CIPMC Jammu & Srinagar has conducted two Nos. of 2 Days HRD programmes for the apple growers on 23-24th February 2024 & 8-9th March 2024 respectively in collaboration with the State

Horticulture Department and SKUAST-Kashmir. The objective was to raise awareness among farmers about the challenges posed by ALBM and provide them with strategies to manage and mitigate its impact on Apple cultivation.

Hands-On-Training on Inspection & Detection of Pests of Fresh Fruits & Vegetables



Hands-On-Training on Inspection & Detection of Pests of Fresh Fruits & Vegetables from 06-07 January, 2024 was organized by Regional Plant Quarantine Station, Mumbai. A total of 83 participants from RPQS, Mumbai, State PSC issuing authorities of Maharashtra and Supervisors of registered pack houses attended the said training programme. More emphasis was given to washing of pomegranate fruits for detection & identification of quarantine mites, concern to USA.

IPM Training to farmers of West Bengal under Paramparagat Krishi Vikas Yojana (PKVY)

160 Nos. of farmers under Paramparagat Krishi Vikas Yojana (PKVY) of State Agriculture Department of West Bengal were given training on IPM at RCIPMC, Kolkata on 5th January 2024 to showcase various aspects of IPM technologies.



Training programme cum Exposure Visit of the students of School of Agriculture Sciences, Sister Nivedita University

Ten days training programme cum Exposure Visit to 17 students of School of Agriculture Sciences, Sister Nivedita University, Kolkata (8th semester BSc. (H) Agriculture students) held at RCIPMC, Kolkata from 5 - 16 of February 2024 on 'Production technology of Bio-pesticide'. This training programme was focused on Hands on learning / training programme 'Production technology of Bio-pesticide'.

Training for empowerment of female farmers

CIPMC Raipur collaborated with JEEVIKA NGO and organized one-day training on Integrated pest management in Horticultural crops to maximize the benefits for small-scale landholder women farmers at Village Achholi district Durg on 27.01.2024. Total 100 women farmers attended this training programme.



Training to Pesticide dealers and Farmers



Training to 40 Pesticide dealers and Farmers of Training organization, Universal Agro Biotech, Kalmeshwar Dist. Nagpur organized on concepts of IPM, Mass multiplication of Bio control agents at laboratory and farm level at RCIPMC, Nagpur on 01.03.2024. The Pesticide dealers and farmers were made aware about need for conservation of natural enemies in agro-ecosystem, safe and need based used of label -claim pesticides.

Promotion of Biocontrol agents for management of pest in cardamom plantation

CIPMC Ernakulam visited the Windermere cardamom plantations, Munnar on 12.03.2024 and provided live demonstrations on *T.chilonis* trichocard installation and released predators *Trichogramma chilonis*, *Chelonus Blackburnii*, *Chrysoperla zastrowisilemi*, *Cryptolaemus montroseurii*, *Blaptostethus pallascens* and reduviid bugs (*Sycanus collaris*, *Rhynchoris marginatus*)



Orientation on IPM at vegetable and horticulture farm



CIPMC Ernakulam visited 'Vatika- the vegetable and horticulture farm of Shrishti Trust', Nullathanni, Idukki district on 20.02.2024 and provided orientation class on IPM in cold season fruits & vegetables to the field staffs of farm.

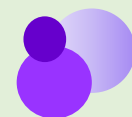
The International Women's Day was celebrated on 08th March, 2024 in the Directorate. During the programme Officers/ officials took pledge for gender equality and organized cultural programme. There was discussion/debate on achievement of gender sensitization eliminating gender based violence and discrimination along with to bring perceptible changes to the social, economic and cultural empowerment of women.

International Women's Day



Virtual Workshop cum Training programme on Phytosanitary aspects for export of mango

The programme was held on 15.03.2024 in which 500 participated virtually (Participants from RPQs, PQs, RCIPMCs, CIPMCs, PSSAs, PSSPs, APEDA and State Agriculture & Horticulture Department) and 32 were physically present at Hqrs. DPPQS.



Directorate's Archive

Apropos Locust Control Warning Organization....

Locust control Bureau was established to address the challenges posed by Locust invasions.

In 1946, this was amalgamated into Directorate of Plant Protection Quarantine and Storage (PPQS) of Ministry of Agriculture with Central Headquarters at Faridabad. Its Field headquarters, is located in Jodhpur, Rajasthan with 10 Circle offices in different locations.

To be continued.....



1930

1939

1946

2019-20



The Government of Imperial India established a locust warning organisation in the year 1939 with its Hqrs at Karachi (undivided India), after the ravages and depredation of the Desert locust plague of 1926-1931.

India became the first country to deploy drones and helicopters for spraying insecticides to control Locust Incursion during 2019-20.



National Training Workshop On Desert Locust



Two Days National Training Workshop was organised at LWO, Jodhpur dated 11-12th March, 2024 funded by FAO. In this training programme 30 nos. of participants participated from Directorate and State Agriculture Department (Rajasthan & Gujarat).



The Gazette of India Notifications

सत्यमेव जयते

S.O. 94(E) dated 8th January, 2024 Schedule II of the Plant Quarantine (Regulation of import into India) Order, 2003 entries shall be added ICD Balli (South Goa) & ICD Dighi (Pune).

G.S.R. 34(E) dated 8th January, 2024, Draft Rules: In the Insecticides Rules, 1971, in rule 10, in sub-rule (1A), in the first proviso, for the figures, letters and word "31st December, 2023" the figures, letters and word "30th June, 2024" shall be substituted

G.S.R. 37(E) 11th January, 2024, In the Insecticides Rules, 1971, in rule 19, in sub-rule (3), in "Explanation", in clause (i), for the word "six", the word "nine" shall be substituted.

S.O. 400(E) 30th January, 2024 In the Schedule VI "*Persea americana* (Avocado), Fresh fruits for consumption, Brazil shall be inserted

In exercise of the powers conferred by sub-clause (ii) of clause (e) of section 3 of the Insecticides Act, 1968 (46 of 1968), the Central Government, after consultation with the Central Insecticides Board, hereby includes the following substances in the Schedule to the said Act, namely:

S.O. 1148(E) 6th March, 2024 in Schedule the following entries shall be inserted, namely: "Tiafenacil, 3-Decen-2-one, Dichlobentiazox, Fenhexamid, Pelargonic acid, Bicyclopyrone, Isotianil, Pyrasulfotole, Foramsulfuron, Dichloromezotiaz, Picolinafen."

S.O. 1482(E) dated 6th March, 2024—In exercise of the powers conferred by section 4A of the Destructive Insects and Pests Act, 1914 (2 of 1914), the Central Government permitted the movement of potato seed tubers with special conditions* from the districts of Uttarakhand, Himachal Pradesh and Jammu & Kashmir to all other states/ UT of India.

G.S.R. 226(E) 21st March, 2024 In the Insecticides Rules, 1971, in rule 10, in sub-rule (3A), in clause (i), following proviso shall be inserted, namely:- "Provided that a person who applies for grant of licence to undertake pest control operations with the use of Glyphosate and its derivatives shall be deemed to have been granted a licence, if the licensing officer did not grant him licence after the expiry of a period of thirty days from the date of submission of his application with a fee of one thousand rupees for all places of operation using such glyphosate and its derivatives."

G.S.R. 228(E) dated 20th March, 2024, In the Insecticides Rules, 1971, in rule 10, in Sub-rule (1A), in the first proviso, for the figures, letters and word "31st December, 2023" the figures, letters and word "30th June, 2024" shall be substituted.

Success Stories

Successful management of yellow rust in Punjab

CIPMC Jalandhar observed the first appearance of yellow rust in Rupnagar district of Punjab and immediately alerted the state agriculture authorities and especially farmers were educated on the importance of early detection, proper crop management practices, and the timely application of fungicides as yellow rust is the destructive disease of wheat if unnoticed and managed in time. This practice results in further spread of the disease and other areas of Punjab.



How India successfully knocked Wheat Blast out of its territory!!!



Caused by:

Magnaporthe oryzae pathotype *tritricum*

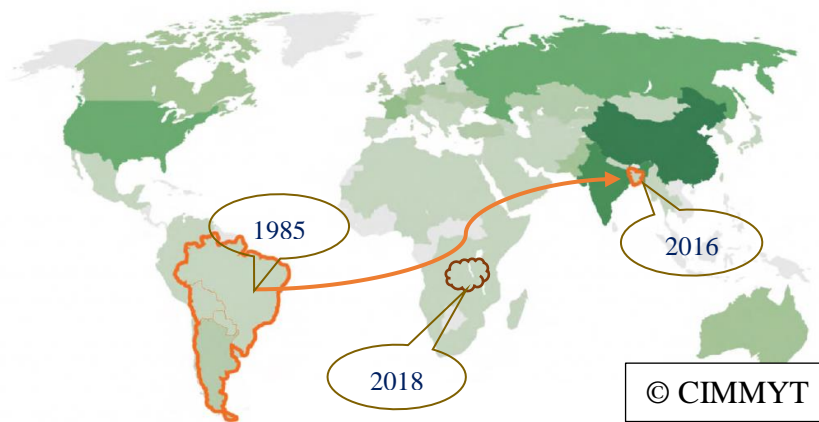
1st report
and
spread by

First officially identified in Brazil in 1985, it is widespread in South American wheat fields, affecting 3 million hectares in the early 1990s. It can spread through seeds, residues and by air for long distance.

2016 witnessed intercontinental spread

In 2016, wheat blast spread to Bangladesh, which suffered a severe outbreak. It has impacted around 15,000 hectares of land in eight districts, reducing yield on average by as much as 51% in the affected fields.

Two years later, in 2018 it was detected in wheat crops in Zambia, which was the first time the pathogen was detected in Africa.



Bold step by India

Indian wheat production was threatened in 2017

During February 2017, the initial symptoms of wheat blast were seen in the fields of Jalangi block, Murshidabad bordering Bangladesh and subsequently in blocks of Nadia district.

NPPO, India (DPPQS) along with State Agriculture Department of West Bengal took the bold step of burning the standing crop in at least 1000 hectares to contain the menace from spreading to the rest of the country.

India's production and export of wheat would be largely hampered on confirmation of wheat blast entering the country.

Training to Progressive farmers on National Pest Surveillance System (NPSS)

National Pest Surveillance System (NPSS), jointly developed by Dte. of Plant Protection, Quarantine & Storage (DPPQ&S) and ICAR-NCIPM, New Delhi can automate and speed up the process of regular and systematic wide-area pest surveillance with integrated application of modern technologies such as Artificial Intelligence (AI) and Information and Communication Technology (ICT). The envisioned platform will leverage updated and relevant digital technologies and smart phones, to automate the process of providing expert support on pest identification and timely delivery of pest surveillance based advisory to the farmer, specific to his/her need.



CIPMC, Shillong



CIPMC, Nashik



CIPMC, Itanagar



CIPMC, Gangtok

As part of NPSS the CIPMC's situated across the country has trained 2760 Nos. of Farmers from 276 districts of various states as scout of NPSS to support AI pest surveillance system in India. And the farmers of remaining 480 districts will be trained during 2024-25.



CIPMC, Hyderabad



RCIPMC, Lucknow



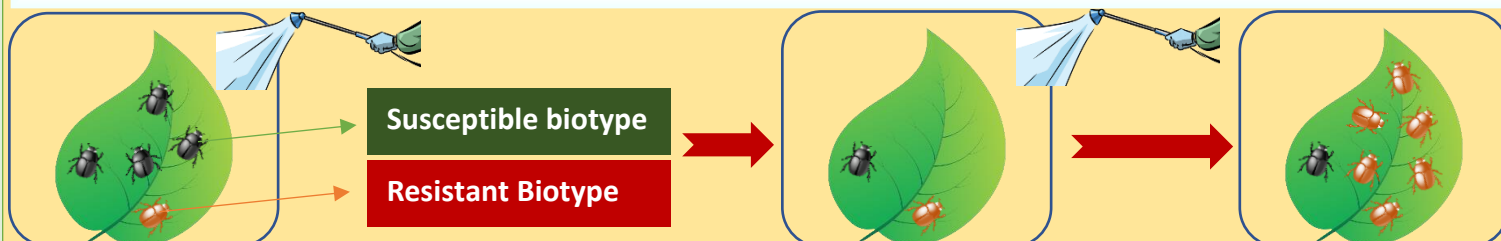
RCIPMC, Bengaluru

Resistance, Resurgence and Replacement

Pesticide Resistance

It is the decreased susceptibility of a pest population to a pesticide that was previously effective at controlling the pest. The population of a single kind of pest is made up of biotypes of that organism, when a single kind of pesticide is used repeatedly, several biotypes of a pest that are resistant to that pesticide survive & pass on their acquired heritable changes/traits (resistance) to their offspring.

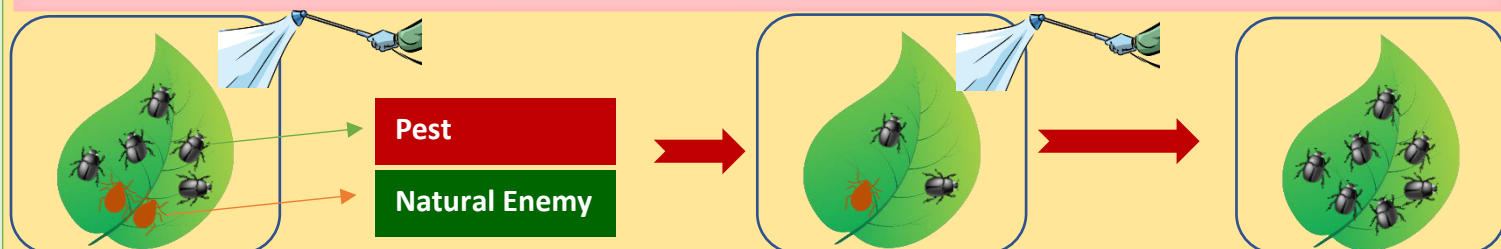
Finally, the population of pest resistant to pesticide increases and decreases the efficacy of pesticide.



Pest Resurgence

It is the rapid reappearance of a pest in injurious numbers when a broad spectrum pesticide is used repeatedly. The repeated application of those pesticides will kill the population of natural enemies which keep the pest population in check.

Finally, the pest population increases at exponential level causing more damage.



Pest Replacement

Pest replacement occurs when pesticide treatment kills the target pest, but the target is replaced by a different species that was formerly a minor pest.

This results in a minor pest to becoming major pest and may cause more crop loss than the original target pest.



How to manage these 3 'R's

- Integration of Man-cultured and Natural Pest Control Agents
- Use of Selective and High Potency Chemicals
- Use low dosages
- Adopt timely treatments to avoid natural enemy destruction
- Inoculative release of natural Enemies
- Use less frequent applications
- Avoid treating broad areas

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