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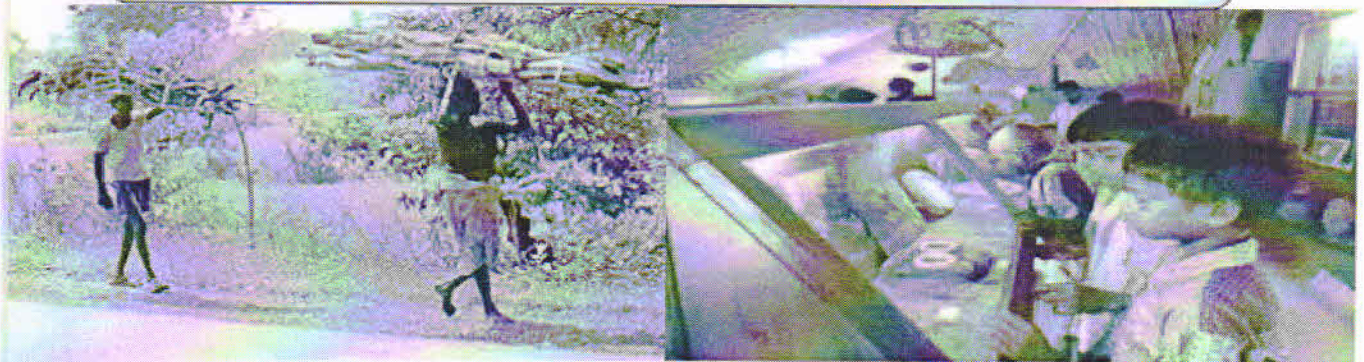
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RESEARCH ARTICLE

CORONA VIRUS - OUTBREAK IN USA

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ABSTRACT

Current situation of Corona Virus in the United State has been proven to be the biggest failure in American history. Past & recent briefings of President Trump on combating corona virus shows the incompetence of the federal government as well as state government. Anyone can see that this COVID-19 is something which cannot be taken lightly as there are no vaccines or immunization present in the laboratory which will lower the number of the spread, but social distancing is just a huge step trying to be enforced around the world to give some time to the health sector, researchers, scientists etc to come up with vaccines and immunizations"

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INTRODUCTION

The current situation of coronavirus in the United States has been proven to be the biggest failure in American history. In February, when the US got its first few cases in Washington, California and New York, all 50 states should have implied strict stay in home orders and things would have looked better for the US. Past and recent briefings of President Trump on combating coronavirus shows the incompetence of the federal government as well as state government. Clearly, anyone can see that this COVID-19 is something which cannot be taken lightly as there are no vaccines or immunization present in the laboratory which will lower the number of the spread, but social distancing is just a huge step trying to be enforced around the world to give some time to the health sector, researchers, scientists etc to come up with vaccines and immunizations. Handling of the coronavirus situation in the US can be said to be both a success and failure. There are more failures than success as the approach of the government as a whole towards the society has been wrong. Correct measures and information had to be briefed to the people on how serious the situation is going on and could have been avoided back in February. Everything is still being taken lightly, for instance with people having no masks protesting to open lockdown and having "My Choice, My Rights" written on their posters, is simply absurd to watch.

In Florida, people are on the streets working out and protesting such that the gymnasium can be back in business. People are being careless and putting theirs and other's lives in jeopardy. There are many loopholes in the current administration which makes it hard for the people to understand all the norms and regulations given out by the government including the federal and the state government. People in this pandemic wanted to see the best of the actions taken by the various government entities such as on federal levels, down to both state and local levels. This fragmentation in the administration has led to miscommunication among the people regarding the coronavirus matter. There are many factors which define the current situation of coronavirus in the US such as insufficient preparation and capacity, poor leadership and coordination, slowness, and regulatory failures. In the first phase of COVID-19, after having the knowledge of virus spread in Wuhan province, the US administration and the President in one of the interviews considered COVID-19 as a minor threat that was under control, at least within the US, and repeatedly assured the public that the risk of getting infected by the virus was very low. The screenings as per asked by CDC was installed at only three of the airports for the passengers travelling from Wuhan to the US whereas WHO confirmed that the virus has been spread to various other countries and can be spread through community spread now, that is human-to-human transmission. This was the first failure of the US government in understanding the danger and threat to the community which will be caused by the virus.

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RESEARCH ARTICLE

STUDIES OF VEGETABLE PESTS OF RAMGARH (JHARKHAND, INDIA): A CASE STUDY OF CABBAGE PESTS

Dr. Rajesh Kumar upadhyay and Dr. Bakshi Om Prakash Sinha

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ABSTRACT

Ramgarh is a beautiful district town of Jharkhand state, about 40 km from Ranchi, situated at N.H.31. Forest, hills and rivers give it an attractive looks. The local population is totally depends on agriculture especially the production of vegetables villege, Chhattarmandu, Gosa, Jara, Kankebar, Koiritola, Murrambari, Murrankala etc. are the main vegetable producing villages. Potato, Brinjal, Tomato, cabbage, cauliflower, Radish, and all types of vegetables of cucurbitacea family are the main crops. The cabbage is one of the important vegetable produced in huge amount in Ramgarh. The nutritional value and liking of taste makes it the most popular vegetable, producing throughout the year as availability of irrigation. The vegetables are get damaged by the vegetable pests, "*Crociodolomia binotalis*" (Zell) and "*Peiris brassicae*", Linn, are the main pests of cabbage. The loss by pest are not merely in terms of quantity but also in quality of vegetables and change the various essential chemical constituents regards the nutritive and lime carbaryl (0.1%), femitrothin (0.05 %) etc, application of pesticide minimize the pest population.

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INTRODUCTION

Vegetables are the main source of starch and carbohydrate to produce energy for the vital activity of organism. It is also the main dietary component of human being. It is the cheap source of mainly nutrients and minerals. Ramgarh is one of the main mandi of vegetables. It supplies 50 to 70 tons. In which 50 % is the cabbage per day in the season mainly to Ranchi, Kolkata some of the vegetables are also supplied to the Delhi market. The climatic condition and poor facilities of irrigation promotes the cultivation of vegetables at Ramgarh. This situation promotes the population growth of pests. Different types of pest damage different types of vegetables they do not reduce only the quality but also the quantity and nutritional value and result low marketing price. Pest control is one of the important phenomenon in the vegetable production. Author suggests the application of different types of pesticides as well as the biological control methods of pest control.

MATERIALS AND METHODS

The life cycle of pest and the nature of damage of vegetables were studied.

It was studied in the crop field and in the laboratory. There were seven villages, selected for the observation Those were 1) Chhatar Mandu 2) Gosa 3) Jara 4) Kankebar 5) Koiritola 6) Murrambari and 7) Murrankala. A small plant were totally covered by a small mesh mosquito net. Two pairs of pest (male and female) were introduced on the healthy plant and take observation daily. In other hand two pairs of pests (male and female) were kept for egg laying in a cage of size 20 cm X 20 cm X 30 cm, and provided them fresh leaves of the prepare table. The eggs were kept for hatching at room temperature. After hatching the larvae were reared on the fresh leaves of the host plant. Fresh leaves of the host plant provided to the larvae daily, the observation were recorded. Methods of prevention and control of pests were recorded by the help of records of private agencies, the records of Birsra agriculture university, Ranchi, and the records prepared by the experimental laboratories.

Observation

Different types of vegetables are infested by different types of pests which causes considerable damage. Two most harmful pest of cabbage were selected for study:-

Crociodolomia binotalis, zell. –The adult bears pale yellow coloured wing with iron rust coloured marking and tuft hairs. Larvae are green with median and lateral white lining.

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