



सत्यमेव जयते
Department of Agriculture
Cooperation and Farmers Welfare
Government of India



सत्यमेव जयते
Department of Chemicals & Petrochemicals
Government of India



Seminar on

EMPOWERING FARMERS ON SCIENTIFIC USE OF CROP PROTECTION CHEMICALS-PESTICIDES FOR MAXIMIZATION OF YIELD

5th July 2017 - Chandigarh



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At 1.3 billion, India is the second most populous country after China in the world. According to United Nations statistics, India will surpass China to become the world's most populous country by 2022. Supporting nearly 18% of the world population along with approx. 16% of Cattle Population with only 2.4% land and 4% of water being available, is indeed a challenging proposition, which is faced by the Indian farmers.

Further increasing urbanization coupled with growing income levels are also expected to significantly alter dietary needs of the Indian population. This will require crop-yields to improve further from current situation (Ref: Figure 1) and therefore needs to adopt measures to increase its productivity.

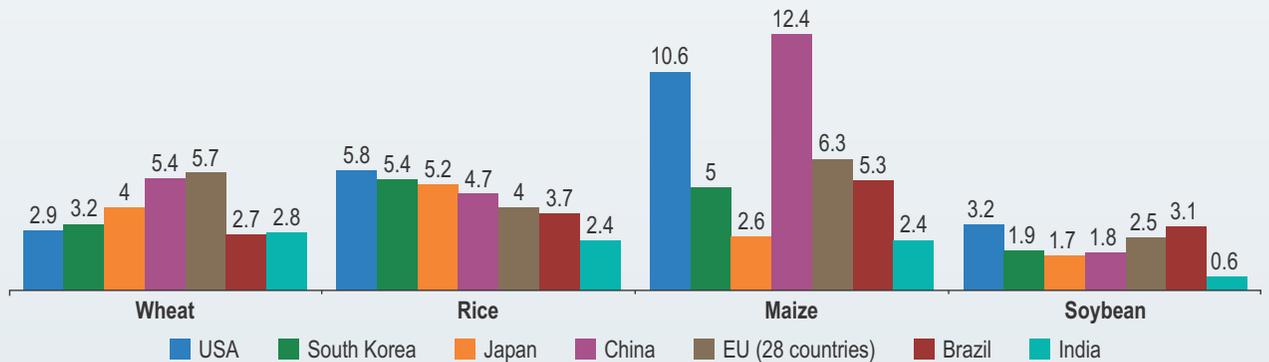


Figure 1: Yields of major crops, 2015 (Tonnes/hectare)

As per the Economic Survey of India 2016, of Government of India, "In India, the farmer's crop yield losses range from 15 to 25 per cent owing to the presence of weeds, pests, diseases and rodents. It points out that the use of pesticides without following proper guidelines, use of sub standard pesticides and lack of awareness about pesticides use are key concerns in India. It has been recommended that farmers be advised properly. That exactly is the rationale for this Seminar, which has the aim to empower farmers by bringing to their notice the good initiatives of the Government and industry, latest in scientific developments and best practices which are sustainable and environment friendly.

It is established that judicious use of crop protection/enhancement chemicals significantly boost agricultural

productivity. India's current per hectare consumption of pesticides is much lower as compared to other leading economies which means that there is significant room for growth (Ref: Figure 2). Presently only less than one-fourth of crop area receives crop protection coverage.

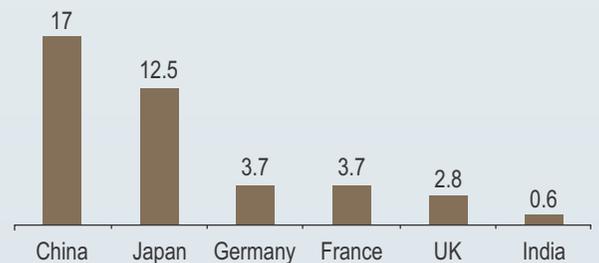


Figure 2: per hectare consumption of pesticides, 2014 in kgs

They provide pre and post-harvest protection to crops. In fact, pesticides are for plants like medicines for human body. In right dosage, they improve the health of plants and provide better yields. The Indian agriculture also needs to guard against use of spurious pesticides which, according to a recent FICCI report constitute approximately 25% by value of total agrochemical industry in India. UP, Bihar, MP, Jharkhand, Karnataka, Haryana, Tamil Nadu, AP/Telangana are some of the most effected states. (Figure 3 explains).

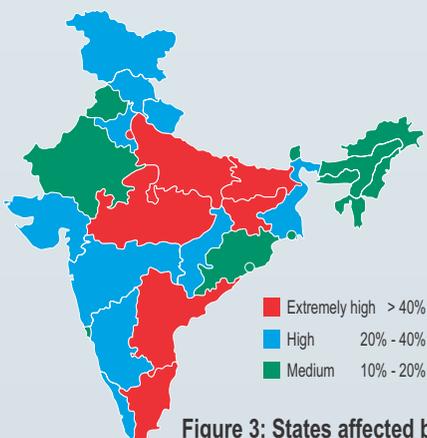


Figure 3: States affected by non-genuine/illegal pesticides, India-FY14

Plasticulture (viz: the use of plastics in agriculture, horticulture, water-management, food grains storage and related areas) facilitates judicious usage of water as also saving of fertilizers as also pesticides thru Fertigation and enhanced yields.

A number of good initiatives are being undertaken by the Government. In this regard the concept of Soil Health Card and setting up of a large number of soil testing laboratories is very good. Similarly the concept of mandatory educational qualifications for pesticide manufacturers/dealers has been prescribed. This will result in very judicious application of chemicals/other solutions for appropriate soil/crop health. The industry has also become more pro-active in extension work. Industry is also bringing in the latest developments.

About the event

The aim of the seminar is to facilitate national food and nutrition security. Towards that we intend to empower farmers with knowledge about role of crop protection chemicals, by bringing to their notice the good initiatives of the Government, industry, latest in scientific/technological developments as also best practices which are sustainable and environment friendly.

Issues to be Covered

- Latest developments in pests management. in crop protection/which are safer to the farmers and the environment and easy to apply.
- Responsible storage/usage of pesticides. and disposal of empty containers. Handling pesticides poisoning/FirstAid.
- Identification of spurious/counterfeit pesticides and ensure sale of genuine pesticides.
- Developments in pesticides supply chain - Agri-dealers set up.
- Fertigation/Seed-coating/soil-health aspects.

Who Should Participate

Policy Makers and Regulators both from central & State Govts/Industry representatives/Academic, scientific and Financial Institutions/ Farmers/Civic society/prospective investors/distributors/dealers.

Participation Details

- Delegate fees includes (conference registrations, delegate kit, conference literature, Networking Lunch): INR 2000 per delegate inclusive of taxes
- For two or more delegates of the same company and FICCI members and members of supporting associations (10%) discount: INR 1800/- per delegate inclusive of taxes
- For 5 or more delegates from the same company & FICCI Corporate members, 25% discount: INR 1500/- per delegate inclusive of taxes
- Students /Academicians Participations INR1000
- It does not include airfare, hotel stay, or any other incidental expenses
- Please mention FICCI membership number in the Registration Form to avail the discount. All fees are payable by cash/ cheque/demand draft in favour of "FICCI" payable at New Delhi
- You may also pay through Swift transfer in favour of "Bank Name: United Bank of India, 1 Tansen Marg, New Delhi - 110001. Savings A/c No. '0359018009732; SWIFT Code: UTBIINBBTNN, IFSC Code: UTBI0TNNM709

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