

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE, COOPERATION AND FARMERS WELFARE

LOK SABHA
UNSTARRED QUESTION NO.5920
TO BE ANSWERED ON THE 3RD APRIL, 2018

DRIP IRRIGATION

5920. SHRI BHARTRUHARI MAHTAB:
SHRI RAHUL SHEWALE:
SHRI SANJAY DHOTRE:

Will the Minister of AGRICULTURE AND FARMERS WELFARE ₹āđŠāāÓā एवं किसान कल्याण ½āā"āāè
be pleased to state:

- (a) whether it is a fact that the more area can be irrigated by adopting drip irrigation which was less amount of water in comparison to area that can be irrigated by adopting flow irrigation, if so, the details thereof;
- (b) whether the yield of various crops using drip irrigation with water soluble fertilizers is higher than the conventional fertilizers in the country, if so, the details thereof along with the steps taken by the Government to promote drip irrigation with water soluble fertilizers in the country;
- (c) whether the import of the water soluble fertilizers have increased during each of the last three years and the current year, if so, the details thereof, country-wise; and
- (d) the other steps taken by the Government to promote indigenous production of the water soluble fertilizers in the country?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

₹āđŠāāÓā एवं किसान कल्याण ½āā"āāÈā¾ā ½āñâ Åā¾ā ½āā"āāè (SHRI PARSHOTTAM RUPALA)

(a): Yes, Madam. More area can be irrigated by adopting drip irrigation than that by flow irrigation as the water use efficiency of drip irrigation is as high as 80-95% where as it is only 30-35% in conventional/flow irrigation. There is upto 40% saving of irrigation water under drip irrigation.

(b): Use of Micro Irrigation technology like drip irrigation along with fertigation technology (use of liquid and water soluble fertilizers) increases water and nutrient use efficiency which results in higher crop productivity. As per the impact evaluation study on Micro Irrigation (2014), increase in the yield of various crops is given below:-

Crop	Average Productivity, MT/ha	
	Without Drip	With Drip
Fruits	13.52	19.25
Vegetables	11.40	17.41

Drip and Sprinkler irrigation technologies are promoted under the Per Drop More Crop component of Pradhan Mantri Krishi Sinchayee Yojana(PMKSy). Fertigation devices are integral part of the Drip Irrigation System supported under the programme to promote fertigation.

(c): From the available information, it is observed that there has been increase in import of water soluble fertilizers in the recent past. The details of country wise import of water soluble fertilizers during the last three years and current year is given at Annexure-I.

(d): To encourage use of water soluble fertilizers, water soluble complex fertilizers have been incorporated in the Fertilizer (Control) Order, 1985. Government of India has notified separately 100% water soluble mixture of fertilizers vide notification No. SO 2900(E) dated 24th December, 2015 to be manufactured or imported into the country to promote the use of 100% water soluble mixture of fertilizers through drip irrigation. Besides this, the Indian Council of Agricultural Research (ICAR) imparts training, organizes field demonstrations to educate farmers on advantages of use of water soluble fertilizers.

Annexure-I**Annexure to Lok Sabha Unstarred Question No. 5920 to be answered on
03.04.2018****Details of Import of Water Soluble Fertilizers during the last three years and the
Current Year***(in MT)*

S. No.	Country	Year			
		2014-15	2015-16	2016-17	2017-18 (up to 20.03.2018)
1	China	89097	83426	126000	131299
2	Norway	27559	32128	16810	13591
3	Belgium	1045	2056	3081	4236
4	Israel	6573	5715	8200	5082
5	Chile	4248	3754	6789	10546
6	Jordan	10502	7359	10549	5508
7	Thailand	408	24	192	0
8	UAE	5759	9713	8300	8998
9	Netherland	408	552	1392	2439
10	Taiwan	96	96	0	0
11	Poland	0	21	21	21
12	Germany	5	21	543	456
13	Russia	0	100	0	24
14	Spain	4	7	118	160
15	S. Arabia	400	500	195	0
16	Italy	45	0	231	151
17	Turkey	05	0	42	6419
18	USA	0	0	221	0
19	Singapore	0	0	0	312
20	Sweden	0	0	0	147
	Total	146154	145472	182684	189389
