

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

LOK SABHA
UNSTARRED QUESTION NO.2046
TO BE ANSWERED ON THE 14TH MARCH, 2017

DRIP IRRIGATION

2046. SHRIMATI HEMA MALINI:

Will the Minister of AGRICULTURE AND FARMERS WELFARE ऋदुशुआओँ एवं किसान कल्याण ½ãã"ããè be pleased to state:

- (a) whether it is a fact that more area can be irrigated by drip irrigation than that can be irrigated by flow irrigation, if so, the details thereof;
- (b) whether the yield of various crops using drip irrigation with water soluble fertilizers is higher than that of the conventional fertilizers in the country, if so, the details thereof;
- (c) the details of the import of water soluble fertilizers during the last three years and the current year, country-wise;
- (d) the details of the Indian companies producing water soluble fertilizers; and
- (e) the steps taken by the Government to promote drip irrigation and indigenous production of the water soluble fertilizers in the country?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

ऋदुशुआओँ एवं किसान कल्याण ½ãã"ããè ½ãñâ Àã•¾ã ½ãã"ããè (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 drip irrigation along with fertigation technologies (use of water soluble fertilizers) increases water and nutrient use efficiency which results in higher crop productivity. As per report (2004) of Task force on Micro Irrigation, the yield details of various crops using drip irrigation are as under:-

S. No	Crop	Average Productivity, MT/ha	
		Without Drip	With Drip
1.	Widely Spaced Crops suitable for Drip Irrigation	4.00	7.50
2.	Closely Spaced Fruit crops suitable for Drip Irrigation	40.00	70.00
3.	Crops suitable for Sprinkler Irrigation	2.00	2.75

(c): The details of import of water soluble fertilizers during the last three years and current year is given at Annexure-I.

(d): The names of Indian companies producing water soluble fertilizers are at Annexure-II.

(e): Government of India is implementing the Centrally Sponsored Scheme, Pradhan Mantri Krishi Sinchayee Yojana (PMKSY). Promotion of Micro Irrigation (Drip & Sprinkler Systems) is an integral part of the scheme under "Per Drop More Crop" component.

Besides, to encourage more use of water soluble fertilizers, seventeen water soluble complex fertilizers have been incorporated in the Fertilizer (Control) Order, 1985. The general specifications of 100% water soluble mixture of fertilizers have also been specified under the Fertilizer (Control) Order, 1985. 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

**Details of Import of Water Soluble Fertilizers during the last three years
(2013-14, 2014-15 & 2015-16) and the Current Year (2016-17)**

(in MT)

S. No.	Country	YEAR			
		2013-14	2014-15	2015-16	2016-17 (till Feb, 2017)
1	China	46033	89097	83426	122390
2	Norway	19102	27559	32128	16810
3	Belgium	3600	1045	2056	3025
4	Israel	5344	6573	5715	8080
5	Chile	6679	4248	3754	6739
6	Jordan	5688	10502	7359	10497
7	Thailand	0	408	24	192
8	UAE	6332	5759	9713	8300
9	Netherland	1008	408	552	1272
10	UK	36	0	0	0
11	Taiwan	0	96	96	0
12	Poland	92	0	21	21
13	Malaysia	75	0	0	0
14	Purtgal	48	0	0	0
15	Germany	0	5	21	523
16	Russia	100	0	100	0
17	Spain	0	4	7	118
18	S. Arabia	100	400	500	195
19	Italy	0	45	0	231
20	Turkey	0	5	0	0
21	USA	0	0	0	162
	Total	94237	146154	145472	178555

Annexure-II

Details of the Indian Companies Producing Water Soluble Fertilizers

Total Eleven Indian companies producing water soluble fertilizers are namely;

1. Coromandel International Limited, Vizag, Andhra Pradesh,
2. Gujarat State Fertilizers & Chemicals Ltd, Vadodara, Gujarat,
3. Indian Farmers Fertilizers Cooperative Ltd (IFFCO), Kandla, Gujarat,
4. Mangalore Chemicals & Fertilizers Limited, Bangalore, Karnataka,
5. Rashtriya Chemicals and Fertilizers Ltd, Trombay, Maharashtra,
6. Zuari Agro Chemicals Limited, Goa,
7. Deepak Fertilizers and Petrochemicals Corporation Limited, Taloja, Maharashtra,
8. Everest Fertilizers and Chemicals Pvt. Ltd., Rajkot, Gujarat,
9. Gujarat Narmada Valley Fertilizers & Chemicals Ltd., Bharuch, Gujarat,
10. Positive Chemicals Pvt. Ltd. Rajkot, Gujarat,
11. Sunshine International Agritech, Theni, Tamilnadu.
