

(b) if so, the reaction of the Government thereto?

THE MINISTER OF WATER RESOURCES (SHRI VIDYACHARAN SHUKLA): (a) No, Sir.

(b) Does not arise.

#### Development of Horticulture

5057. SHRI BHAGEY GOBARDHAN: Will the Minister of AGRICULTURE be pleased to state:

(a) the potential for the development of horticulture in each State and Union Territory;

(b) the progress of development and the list of horticultural produces in each State and Union Territory;

(c) the steps taken/programmes launched to increase the production of these crops; and

(d) the export potential of horticultural produces?

THE MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE (SHRI MULLAPPALLY RAMACHANDRAN): (a) and (b). The statement showing the potential horticultural crops and major horticultural crops grown for commercial purposes in all the States and Union Territories of India, is enclosed.

(c) The following assistance is provided by the Government:-

- (i) The Government is providing inputs to the growers such as planting material, fertiliser, pesticides, plant protection equipments, irrigation facilities etc. at subsidised rates;

(ii) Rendering technical advice through various extension agencies and imparting training to the growers;

(iii) Post-harvest handling infrastructure is being strengthened;

(iv) Financial assistance is being provided through commercial institutions for development of horticulture.

(v) Laying out demonstrations to educate the farmers on improved technology of crop production;

(vi) Research support is strengthened through ICAR Institute and State Agricultural Universities;

(vii) The following schemes have been approved by the Central Government:-

(a) Schemes of National Horticulture Board;

(b) Schemes of Coconut Development Board;

(c) Scheme for assistance to SFCI for Establishment of Elite Progeny Orchards;

(d) Scheme for production of Fruits & Vegetables and augmenting vegetable Seed Production;

(e) Scheme for Integrated Development of Tropical & Arid Zone Fruits;

(f) Scheme for Integrated Programme for Development of Spices; and

(g) Scheme for Development of Cashewnut.

(d) As per the report of the Working

Group on Plantation Crops and Agricultural Exports for formulation of 8th Five Year Plan, the following crops have been identified as having export potential-Fresh Mangoes,

Okra, Bitter-gourd, Walnut, Litchi, Sapota, Table grape, Apple, other Vegetables, Apricot, Hybrid Seeds, All cut flowers and foliage plants.

## STATEMENT

S. No.	State/Union Territory	Potential Crops	Important Commercial crops
1	2	3	4
1.	Andhra Pradesh	Mango, Grape, Guava, Citrus, Sapota, Banana, Ber, Papaya, Custard Apple, Coconut, Arecanut, Cashew, Brinjal, Tomato, Chillies, Cucumber, Peas Cabbage, Cauliflower, Beans, Potato, Mushroom Tuber crops-Cassava, Sweet Potato, Colocasia, Dioscorea, Amorphophyllus, Bitter Gourd, Cowpeas, Dolichos Beans, French Bean, Seed Spices, Turmeric, Rose, Chrysanthemum, Orchids.	Mango, Grape, Guava, Sapota, Banana, Citrus, Papaya, Custard apple, Coconut, Cashew, Brinjal, Tomato, Chillies, Cumcumer, Cabbage, Beans, Potato, Cassava, Sweet Potato, Colocasia, Bitter Gourd, Cowpea, Dolichos Beans, French beans, Seed Spices, Turmeric, Rose, Chrysanthemum.
2.	Arunachal Pradesh	Citrus, Pineapple, Banana, Apple, Arecanut, Brinjal, Dolichos bean, Potato, Cassava, Sweet Potato, Colocasia, Amorphophyllus, Large Cardamom, Saffron, Orchid.	Citrus, Pineapple, Banana, Brinjal, Dolichos, Beans, Sweet Potato, Colocasia.
3.	Assam	Citrus, Pineapple, Banana, Arecanut, Coconut, Cashew, Brinjal, Dolichos bean, Potato, Cassava, Sweet Potato, Colocasia, Amorphophyllus, Large Cardamom, Orchids.	Citrus, Pineapple, Banana, Arecanut, Brinjal, Dolichos bean, Sweet Potato, Colocasia.
4.	Bihar	Mango, Guava, Litchi, Bael, Banana, Papaya, Aonla, Coconut, Brinjal, Cauliflower, Tomato, Bottle-gourd, Cowpea, Dolichos bean, French	Mango, Guava, Litchi, Banana, Papaya, Brinjal, Cauliflower, Tomato, Bottle-gourd, Cowpea, Dolichos bean, French bean,

## Important Commercial crops

## Potential Crops

4

3

1 2

## S. No. State/Union Territory

		bean, Garden pea, Muskmelon, Watermelon, Pumpkin, Sponge gourd, Potato, Colocasia, Dioscorea, Amorphophyllus, Ginger, Turmeric.	Garden pea, Muskmelon, Watermelon, Pumpkin, Sponge gourd, Potato, Colocasia, Dioscorea, Amorphophyllus, Ginger, Turmeric.
5.	Goa	Mango, Banana, Pineapple, Tomato, Cucumber, Cauliflower, Cabbage, Brinjal, Cashewnut, Coconut, Ginger.	Mango, Cashewnut, Coconut.
6.	Gujarat	Mango, Banana, Sapota, Date-Palm, Ber, Citrus, Pomegranate, Aonla, Coconut, Garlic, Onion, Potato, Brinjal, Cauliflower, Tomato, Seed spices.	Mango, Banana, Sapota, Citrus, Coconut, Garlic, Onion, Potato, Brinjal, Cauliflower, Tomato. Seed spices.
7.	Haryana	Mango, Grape, Citrus, Ber, Date-Palm, Pomegranate, Brinjal, Bitter-gourd, Bottle-gourd, Carrot, Cauliflower, Cowpea, Dolichos bean, French bean, Musk-melon, Onion, Garden pea, Garlic, Tomato, Cucumber, Pumpkin, Watermelon, Sponge gourd, Potato-Mushroom, Rose, Carnation, Chrysanthemum.	Mango, Grape, Citrus, Brinjal, Bitter-gourd, Bottle-gourd, Carrot, Cauliflower, Cowpea, Dolichos bean, Musk-melon, Onion, Garden pea, Tomato, Cucumber, Pumpkin, Watermelon, Sponge gourd, Potato, Rose.
8.	Himachal Pradesh	Apple, Peach, Pear, Plum, Almond, Walnut, Litchi,	Apple, Peach, Pear, Plum, Citrus,

S. No.	State/Union Territory	Potential Crops	Important Commercial crops
1	2	3	4
9.	Jammu & Kashmir	Citrus, Capsicum, Tomato, Cabbage, Carrot, Cauliflower, Chillies, Potato, Mushroom, Ginger, Rose, Gladiolus, Chrysanthemum, Orchids.	Capsicum, Tomato, Cabbage, Carrot, Cauliflower, Potato, Mushroom, Ginger, Gladiolus, Chrysanthemum.
10.	Karnataka	Apple, Peach, Pear, Plum, Almond, Walnut, Citrus, Capsicum, Tomato, Cabbage, Carrot, Cauliflower, Chillies, Mushroom, Rose, Gladiolus, Chrysanthemum.	Apple, Peach, Pear, Almond, Walnut, Citrus, Capsicum, Tomato, Cabbage, Carrot, Cauliflower, Gladiolus.
11.	Kerala	Mango, Grape, Gauva, Citrus, sapota, Banana, Papaya, Custard apple, Coconut, Arecanut, Cashew, Brinjal, Tomato, Chillies, Cucumber, Peas, Cabbage, Cauliflower, Beans, Potato, Mushroom, Cassava, Sweet Potato, Colocasia, Dioscorea, Amorphophyllus, Bitter Gourd, Cowpea, Dolichos beans, French bean, Seed spices, Turmeric, Gladiolus, Tuberose.	Mango, Grape, Gauva, Sapota, Banana, Citrus, Papaya, Custard apple, Coconut, Cashew, Brinjal, Tomato, Chillies, Cucumber, Cabbage, Beans, French beans, Seed spices, Turmeric, Gladiolus, Tuberose.
12.	Madhya Pradesh	Mango, Citrus, Banana, Pineapple, Jackfruit, Coconut, Arecanut, Cashew, Cocoa, Brinjal, Cauliflower, Garlic, Potato, Pepper, Cardamom, Cinnamon, Clove, Nutmeg, Orchids, Anthuriums.	Banana, Pineapple, Coconut, Arecanut, Cashew, Cocoa, Brinjal, Cauliflower, Garlic, Pepper, Cardamom, Cinnamon, Clove.
12.	Madhya Pradesh	Mango, Guava, Citrus, Papaya, Banana, Custard apple, Ber, Pomegranate, Coconut, Brinjal,	Mango, Guava, Citrus, Papaya, Brinjal, Chillies, Dolichos bean, French bean,

S. No.	State/Union Territory	Potential Crops	Important Commercial crops
1	2	3	4
13.	Maharashtra	Carrot, Cauliflower, Cowpea, Dolichos bean, French bean, Muskmelon, Onion, Garden pea, Tomato, Watermelon, Potato, Mushroom, seed spices.	Muskmelon, Garden pea, Tomato, Watermelon, Potato, Seed spices.
14.	Manipur	Grape, Citrus, Papaya, Aonla, Banana, Custard apple, Ber, Pomegranate, Coconut, Cashew, Brinjal, Carrot, Cauliflower, Cowpea, Dolichos bean, French bean, Muskmelon, Onion, Gardenpea, Garlic, Tomato, Cucumber, Pumpkin, Watermelon, Potato, Mushroom, Bitter-gourd, Seed spice, Gladiolus, Rose, Chrysanthemum, Orchids.	Grape, Citrus, Papaya, Aonla, Banana, Custard apple, Brinjal, Carrot, Cauliflower, Cowpea, Dolichos bean, French bean, Muskmelon, Onion, Garden pea, Garlic, Tomato, Cucumber, Pumpkin, Watermelon, Potato, Bitter-gourd, Seed spice, Gladiolus, Rose, Chrysanthemum.
15.	Meghalaya	Citrus, Pineapple, Banana, Brinjal, Dolichos bean, Potato, Cassava, Sweet Potato, Colocasia, Amorphophyllus, Orchids.	Citrus, Pineapple, Banana, Brinjal, Dolichos bean, Sweet Potato, Colocasia.
16.	Mizoram	Citrus, Pineapple, Banana, Apple, Brinjal, Dolichos-bean, Potato, Cassava, Sweet Potato, Colocasia, Amorphophyllus, Ginger, Gladiolus, Orchids.	Citrus, Pineapple, Banana, Brinjal, Dolichos bean, Sweet Potato, Colocasia Ginger.
16.	Mizoram	Citrus, Pineapple, Banana, Brinjal, Dolichos bean,	Citrus, Pineapple, Banana, Brinjal,

S. No.	State/Union Territory	Potential Crops	Important Commercial crops
1	2	3	4
17.	Nagaland	<p>Potato, Cassava, Sweet Potato, Colocasia, Amorphophyllus, Orchids, Gladiolus.</p> <p>Citrus, Pineapple, Banana, Arecanut, Brinjal, Tomato, Cabbage, Chillies, Okra, Watermelon, Potato, Ginger, Large Cardamom, Rose, Gladiolus, Orchids.</p>	<p>Dolichos bean, Sweet Potato, Colocasia.</p> <p>Citrus, Pineapple, Banana, Brinjal, Tomato, Cabbage, Chillies, Okra, Watermelon, Arecanut, Ginger.</p>
18.	Orissa	<p>Mango, Guava, Citrus, Papaya, Litchi, Arecanut, Coconut, Brinjal, Bitter Gourd, Cucurbits, Chillies, Cowpea, Dolichos bean, French bean, Tomato, Potato, Seed spices, Turmeric.</p>	<p>Mango, Guava, Citrus, Papaya, Litchi, Arecanut, Brinjal, Bitter Gourd, Cucurbits, Chillies, Cowpea, Dolichos bean, French bean, Tomato, Potato.</p>
19.	Punjab	<p>Peach, Pear, Plum, Litchi, Citrus, Papaya, Grape, Guava, Brinjal, Bitter-gourd, Bottle gourd, Carrot, Cauliflower, Cowpea, Dolichos bean, French bean, Muskmelon, Onion, Garden pea, Garlic, Tomato, Cucumber, Pumpkin, Watermelon, Sponge gourd, Potato, Mushroom, Rose, Carnation, Chrysanthemum, Gladiolus.</p>	<p>Peach, Pear, Plum, Citrus, Grapes, Guava, Brinjal, Bitter-gourd, Bottle-gourd, Carrot, Cauliflower, Cowpea, Dolichos bean, Muskmelon, Onion, Garden pea, Tomato, Cucumber, Pumpkin, Watermelon, Sponge gourd, Potato, Rose, Carnation, Gladiolus.</p>
20.	Rajasthan	<p>Date-palm, Ber, Pomegranate, Aonla, Brinjal, Chillies,</p>	<p>Ber, Brinjal, Chillies, Dolichos bean,</p>

S. No. State/Union Territory

Potential Crops

Important Commercial crops

1 2

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|-----|---------------|--|--|
|     |               | Dolichos bean, French bean, Muskmelon, Garden pea, Tomato, Watermelon, Potato, Rose, Carnation, Chrysanthemum.   | French bean, Muskmelon, Garden pea, Tomato, Watermelon, Potato, Rose.  |
| 21. | Sikkim        | Apple, Peach, Pear, Plum, Citrus, Pineapple, Brinjal, Dolichos bean, Potato, Cassava, Sweet Potato, Colocasia, Amorphophyllus, Ginger, Large Cardamom, Orchids.  | Citrus, Pineapple, Brinjal, Dolichos bean, Sweet Potato, Colocasia, Ginger, Large cardamom, Orchids.   |
| 22. | Tamil Nadu    | Banana, Mango, Coconut, Cashew, Brinjal, Cauliflower, Garlic, Potato, Seed spices, Turmeric, Rose, Jasmine, Gladiolus, Cinnamon, Pepper.   | Banana, Mango, Coconut, Cashew, Brinjal, Cauliflower, Garlic, Potato, Pepper, Cinnamon, Jasmine, Gladiolus.  |
| 23. | Tripura       | Citrus, Pineapple, Banana, Arecanut, Coconut, Cashew, Brinjal, Dolichos bean, Potato, Cassava, Sweet Potato, Colocasia, Amorphophyllus, Large Cardamom, Orchids.   | Citrus, Pineapple, Banana, Arecanut, Brinjal, Dolichos bean, Sweet Potato, Colocasia.  |
| 24. | Uttar Pradesh | Apple, Peach, Pear, Plum, Almond, Walnut, Litchi, Citrus, Ber, Pomegranate, Brinjal, Bittergourd, Bottle gourd, Carrot, Cauliflower, Cowpea, Dolichos bean, French bean, Muskmelon, Onion, Garden pea, Garlic, Tomato, Cucumber, Pumpkin, Water melon, Sponge gourd, Potato, Mushroom, | Apple, Peach, Pear, Plum, Citrus, Brinjal, Bitter gourd, Bottle gourd, Carrot, Cauliflower, Cowpea, Dolichos bean, French bean, Muskmelon, Onion, Garden pea, Garlic, Tomato, Cucumber, Pumpkin, |



S. No.	State/Union Territory	Potential Crops	Important Commercial crops
1	2	3	4
25.	West Bengal	Ginger, Rose, Gladiolus, Chrysanthemum. Mango, Litchi, Cocunut, Tomato, Cabbage, Chillies, Okra, Watermelon, Potato, Mushroom Cassava, Sweet Potato, Colocasia, Dioscorea, Amorphophyllus, Arecanut, Large cardamom, Tuberoase, Jasmine, Rose, Dahlia, Orchids.	Water melon, Sponge gourd, Potato, Ginger, Rose, Gladiolus, Chrysanthemum. Mango, Litchi, Coconut, Arecanut, Tomato, Cabbage, Chillies, Okra, Watermelon, Potato, Mushroom, Cassava, Sweet Potato, Calocasia, Large cardamom, Tuberoase, Jasmine, Rose, Dahlia, Orchid.
26.	Andaman & Nicobar Islands	Banana, Pineapple, Coconut, arecanut.	—
27.	Chandigarh	Peach, Pear, Plum, Litchi, Citrus, Papaya, Grape, Guava, Brinjal, Bitter gourd, Bottle gourd, Carrot, Cauliflower, Cowpea, Dolichos bean, French Bean, Mushroom, Onion, Gardenpea, Garlic, Tomato, Cucumber, Pumpkin, Water melon, Sponge gourd, Carnation, Chrysanthemum, Gladiolus.	—
28.	Dadra & Nagar Haveli	Mango, Banana, Pineapple, Tomato, Cucumber, Cauliflower, Cabbage, Brinjal, Cashewnut, Coconut, Ginger.	—
29.	Daman & Diu	Mango, Banana, Pineapple, Tomato, Cucumber Cauliflower,	—

*Important Commercial crops**Potential Crops*

4

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1 2

	Cabbage, Brinjal, Cashewnut, Coconut, Ginger.
30. Delhi	Mango, Grape, Citrus, Ber, Date palm, Pomegranate, Brinjal, Bitter gourd, Bottle, gourd, Carrot, Cauliflower, Cowpea, Dolichos bean, French bean, Muskmelon, Onion, Garden pea, Garlic, Tomato, Cucumber, Pumpkin, Watermelon, Sponge gourd, Potato, Mushroom, Rose, Carnation, Chrysanthemum.
31. Lakshadweep	Arecanut
32. Pondicherry	Banana, Mango, Coconut, Cashew, Brinjal, Cauliflower, Garlic, Potato, Seed spices, Turmeric, Rose, Jasmine, Gladiolus, Cinnamon, Pepper.

Data is not being collected on production of many horticultural crops. However, about 91 million tonnes of products of horticulture are produced in the country including 26.6 million tonnes of fruits, 52.76 million tonnes of vegetables (1988-89), 9,283.4 million nuts of coconut (1989-90) and other plantation crops.