Vegetables, Fruits Cultivation and Floriculture

(Almond, Apple, Banana, Cherry, Kiwi, Olive, Passion Fruit, Pomegranate, Strawberry, Brinjal, Amaranth, Broccoli, Cabbage, Celery, Muskmelon, Pumpkin, Tomato, Yam Bean, Jasmines, Rose, Orchid, Tannia, Sweet Potato, Watermelon, Turnip, Onion)
Introduction

Fruit and Vegetable Cultivation in India is a prominent business sector for exporting merchandise and shipping and thus earning a good amount of international revenue for India. Since its independence India has been trying keep pace with the dazzling prospects of exporting commercial business. India is essentially agrarian and rural, with ample scope for lands for farming and cultivation and it has also helped for the cultivation of a large variety of fruits as well as vegetables. The study of fruit and vegetable production is a subject of enormous scope.
It involves the integration of wide spectrum of disciplines. As the new technologies and developments become available, cropping system and production practices changes.

Floriculture, or flower farming, is a discipline of horticulture concerned with the cultivation of flowering and ornamental plants for gardens and for floristry, comprising the floral industry. The development, via plant breeding, of new varieties is a major occupation of floriculturists.
Floriculture crops include bedding plants, houseplants, flowering garden and pot plants, cut cultivated greens, and cut flowers. As distinguished from nursery crops, floriculture crops are generally herbaceous. Bedding and garden plants consist of young flowering plants (annuals and perennials) and vegetable plants. They are grown in cell packs (in flats or trays), in pots, or in hanging baskets, usually inside a controlled environment, and sold largely for gardens and landscaping. Pelargonium ("geraniums"), Impatiens ("busy lizzies"), and Petunia are the best-selling bedding plants. The many cultivars of Chrysanthemum are the major perennial garden plant in the United States.
Market Outlook

Grapes topped the fruit export chart for 2014-15 with shipment touching 107.3 thousand tonnes valued at Rs 1,086 crore. Last fiscal, export of grapes from India rose almost 80% year-on-year to close to 2 lakh tonnes.

Global fruit and vegetable processing equipment market size is projected to reach USD 3,320 million by 2021.

The USDA forecast India’s almond imports to reach 61,500 tonnes in 2015/16, 9% down from 67,824 tonnes imported in 2014/15.
## Indian Almonds Production, Supply and Demand

<table>
<thead>
<tr>
<th></th>
<th>2013/14</th>
<th>2014/15</th>
<th>2015/16</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Marketing year begin</strong></td>
<td>Aug 2013</td>
<td>Aug 2014</td>
<td>Aug 2015</td>
</tr>
<tr>
<td><strong>India</strong></td>
<td>USDA official</td>
<td>New USDA</td>
<td>USDA official</td>
</tr>
<tr>
<td>Area planted</td>
<td>0</td>
<td>19,000</td>
<td>0</td>
</tr>
<tr>
<td>Area harvested</td>
<td>0</td>
<td>17,000</td>
<td>0</td>
</tr>
<tr>
<td>Bearing trees</td>
<td>0</td>
<td>1,160</td>
<td>0</td>
</tr>
<tr>
<td>Non-bearung trees</td>
<td>0</td>
<td>200</td>
<td>0</td>
</tr>
<tr>
<td>Total trees</td>
<td>0</td>
<td>1,360</td>
<td>0</td>
</tr>
<tr>
<td>Beginning stocks (tonnes)</td>
<td>0</td>
<td>23,791</td>
<td>0</td>
</tr>
<tr>
<td>Production</td>
<td>1,100</td>
<td>1,100</td>
<td>1,200</td>
</tr>
<tr>
<td>Imports</td>
<td>55,300</td>
<td>71,881</td>
<td>50,000</td>
</tr>
<tr>
<td>Total supply</td>
<td>56,400</td>
<td>96,772</td>
<td>51,200</td>
</tr>
<tr>
<td>Exports</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Domestic consumption</td>
<td>56,400</td>
<td>70,000</td>
<td>51,200</td>
</tr>
<tr>
<td>Ending stocks</td>
<td>0</td>
<td>26,772</td>
<td>0</td>
</tr>
<tr>
<td>Total distribution</td>
<td>56,400</td>
<td>96,772</td>
<td>51,200</td>
</tr>
</tbody>
</table>
India is the second largest producer of fruits in the world with an annual production of 81.2 million tonnes contributing 12.6% of world fruit production next only to China (21.2%). Of late, with growing population and realization of commercial and nutritional values, the demand and requirement for fruits has increased manifold globally and so is in India. Since then, India has managed a steady growth in area expansion and production of fruits.
Production Share of Major Fruit Crops in India

- Banana: 33.4%
- Mango: 20.7%
- Others: 11.1%
- Citrus: 12.5%
- Papaya: 6.3%
- Guava: 4.1%
- Grapes: 2.9%
- Apple: 2.8%
- Sapota: 2.0%
- Litchi: 0.7%
- Pomegranate: 1.5%
- Pineapple: 2.0%
India Production of Flowers

![Bar chart showing the production of flowers in India from 2006-07 to 2013-14. The production numbers are as follows:

- 2006-07: 880
- 2007-08: 868
- 2008-09: 987
- 2009-10: 1021
- 2010-11: 1031
- 2011-12: 1652
- 2012-13: 1729
- 2013-14: 1754

The chart indicates a general trend of increasing production over the years.]
Global demand for fruit and vegetable processing was valued at USD 203.3 billion in 2014, is expected to reach USD 319.9 billion in 2020 and is anticipated to grow at a CAGR of 7.9% between 2016 and 2020.
Global Fruits and Vegetables Processing Market

<table>
<thead>
<tr>
<th>Year</th>
<th>Revenue (USD Billion)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014</td>
<td>203.3</td>
</tr>
<tr>
<td>2015</td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td></td>
</tr>
<tr>
<td>2017</td>
<td></td>
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<tr>
<td>2018</td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td></td>
</tr>
<tr>
<td>2020</td>
<td>319.9</td>
</tr>
</tbody>
</table>

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SECTION – I

FRUIT CROPS

1. Integrated Development of Fruits
2. Scope and Importance of Fruits
3. Almond
4. Annonaceous fruits
5. Aonla
6. Apple
7. Avocado
8. Bael
9. Banana
10. Ber
11. Apricot
12. Carambola
13. Cherry
14. Date palm
15. Durian
16. Egg fruit
17. Fig
18. Grape
19. Guava
20. Jackfruit
21. Jamun
22. Karonda
23. Kiwi
24. Limes and Lemons
25. Rootstocks
26. Litchi
27. Loquat
28. Mahua
29. Mandarin orange
30. Mango
31. Mangosteen
32. Olive
33. Papaya
34. Passion fruit
35. Peach
36. Pear
37. Pecan
38. Persimmon
39. Phalsa
40. Pineapple
41. Plum
42. Pomegranate
43. Rambutan
44. Sapota
45. Strawberry
46. Sweet orange
47. Walnut
SECTION – II

VEGETABLE CROPS

48. Integrated Development of Vegetables
49. Agathi
50. Amaranth
51. Ash gourd
52. Beet root
53. Bitter gourd
54. Bottle gourd
56. Broccoli
55. Brinjal
57. Brussels sprout
58. Cabbage
59. Capsicum
60. Carrot
61. Cauliflower
62. Celery
63. Chilli
64. Cowpea
65. Curry leaf
66. Drumstick
67. French bean
68. Garlic
69. Kale
70. Knol Khol
71. Lablab bean
72. Lettuce
73. Muskmelon
74. Okra
75. Onion
76. Palak or Indian Spinach
77. Parsley
78. Pea
79. Pointed gourd
80. Pumpkin
81. Radish
82. Ridge gaurd
83. Round melon
84. Snake gaurd
85. Spinach
86. Tomato
87. Turnip
88. Watermelon
89. Potato  
90. Disease And Pest Management  
91. Arrow root  
92. Sweet potato  
93. Tannia  
94. Yam bean  
95. Yams
SECTION – III

FLORICULTURE

96. Integrated Development of Floriculture
97. Rose
98. Jasmines
99. Orchid
100. Site and Soil Selection
101. Land and Layout Preparation for Orchard
Agriculture Fruit Farm Business Plan, Business Plan for Vegetable Farming, Fruit Farm Business Plan, Horticulture Crops, Fruit Cultivation, Cherry Fruit Cultivation, How to Grow Fruits, Cultivation of Fruits, Fruit Cultivation in India, Growing Fruit Trees, Passion Fruit Cultivation In India, Growing Passion Fruits, Kiwi Fruit Cultivation, Kiwi Fruit Growing, Growing Fruits and Fruit Trees, Orchard Planting, Growing Olives, Mango Cultivation, Cultivation of Apple, Fruit Cultivation in India, Commercial Pineapple Cultivation, Strawberry Cultivation, Fruit Crops Cultivation in India, Fruit Farming Business, Grow Fruit Trees and Plants for Beginners, Crops for Beginners, Almond Farming, Almond Cultivation, Almonds Cultivation in Indian Agriculture, Almond Farming, Almond Farming Business, Aonla Plants Cultivation in India, Aonla Cultivation, Amla Farming, Growing Amla Tree, Amla Cultivation, Banana Farming, Banana Cultivation, Ber Cultivation in India, Ber Farming, Apple Ber Cultivation, Cultivation of Apricot Tree, Cherry Fruit Cultivation, Date Palm Growing, How to Grow Lychee, Litchi Fruit Farming, Cultivation of Litchi in India,
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- Bio-fertilizers And Biotechnology
- Breakfast Snacks And Cereal Food
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- Cereal Processing
- Coconut And Coconut Based Products
- Cold Storage For Fruits & Vegetables
- Coal & Coal Byproduct
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- Perfumes, Cosmetics And Flavours
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- Stationary Products
- Spices And Snacks Food
- Steel & Steel Products
- Textile Auxiliary And Chemicals
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