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## Chapter 6 Heterosis In Vegetable

Tkaenko FA (1963) Results of investigations on heterosis in vegetables in the Ukraine. Plant Breed Abstr 35:5251 Google Scholar Tolla GE, Peterson CE (1979) Comparison of Gibberellin A4/A7 and silver nitrate for induction of staminate flowers in a gynoeocious cucumber lines.

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1939. heterosis in summer squash (cucurbita pepo) and the possibility of producing f 1 hybrid seed for commercial planting. amer. soc. hort. sci. proc. 37: 827-828. \_\_\_\_\_ 1948. the use of naked seed in cucurbita pepo as a source of high quality liquid vegetable fat, as a high analysis protein, as a new confection, and as a sandwich spread. amer...

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## **Chapter 6: Common Vegetables for Seed and Fruit**

M.G. SOM, P. HAZRA, in Genetic Improvement of Vegetable Crops, 1993. Heterosis Breeding. Heterosis breeding is here to stay as a potent genetic tool for exploiting the predominantly non-additive gene action. In self-pollinated crops, utilization of hybrid vigour is dependent upon a system for economically producing F 1 seeds. Hybrid vigour in cowpea, as in other crops, is dependent on the ...

## **Heterosis - an overview | ScienceDirect Topics**

The technical program covered actual and potential contributions of heterosis to food security and natural resource conservation through its use in a range of crops—including maize, rice, wheat, sorghum, millets, cotton, vegetables, and oil seeds. Of particular interest were the studies on the genetic, physiological, biochemical, and

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## **Genetics and Exploitation of Heterosis in Crops | ASA ...**

In some self pollinated vegetable crops (egg plant), heterosis became very large, with hybrid yield advantage ranges from 33-97%, due to, flowers are perfect and normally the natural out crossing rate near zero. However, most of these crops, produce few seeds per cross make it difficult to produce hybrids economically.

## **Heterotic Response in Major Cereals and Vegetable Crops**

Heterosis refers to the phenomenon that progeny of diverse varieties of a species or crosses between species exhibit greater biomass, speed of development, and fertility than both parents. Various models have been posited to explain heterosis, including ...

## **Heterosis**

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Heterosis dominated the thinking of plant and animal geneticists in the 1940s and 1950s as evidenced by the now classic book entitled Heterosis edited by John W. Gowen and published by Iowa State University Press. In fact, the entire U.S. hybrid maize industry and much of the world maize industry is founded on heterosis.

### **Concepts and Breeding of Heterosis in Crop Plants | CSSA**

...

Research on Crops 6(1): 116-118 Linganagouda R, Mugle R and Madalageri MB. 2003. Capsicum × chilli crosses, heterosis and combining ability for growth parameters. Indian Journal of Horticulture 60(3): 262-267 Lohithaswa HC, Manjunath A and Kulkarni RS. 2001. Implications of heterosis,

### **LITERATURE CITED - Shodhganga**

Chapter 6: Common Vegetables for Seed and Fruit. COLE CROPS

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23 ... recommended two colonies per acre of all vegetable seed. Odland and Noll (1950) stated that a colony of bees located by their plots increased the seed yields. Oldham (1948) stated that having "a few colonies of bees dotted around the field" was a distinct advantage ...

### **Chapter 6: Common Vegetables for Seed and Fruit**

Chapter 8 : Harvesting, storing and processing of the vegetables  
187 Chapter 9 : Breeding poultry and rabbits and feeding them from your home garden (growing their food using hydroponics)  
209 Information Chart. 247 Contents. Chapter 1. 13 Why do we need a vegetable . garden? Great idea!! Besides, I

### **A Vegetable Garden for All**

INGREDIENTS - 6 lbs. of shin of beef, a knuckle of veal weighing 5 lbs., a few pieces or trimmings, 2 slices of nicely-flavoured lean, ham; 1/4 lb. of butter, 2 onions, 2 carrots, 1 turnip, nearly a

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head of celery, 1 blade of mace, 6 cloves, a hunch of savoury herb with endive, seasoning of salt and pepper to taste, 3 lumps of sugar, 5 quarts ...

### **CHAPTER 6 - SOUPS - RECIPES | Mrs Beeton's Book of ...**

Chapter 9 Vegetable specific processing technologies 9.1  
Vegetables varieties 9.2 Harvesting and pre-processing 9.3 Fresh vegetable storage 9.4 Vegetable drying/dehydration 9.5  
Vegetable juices and concentrated products 9.6 Pickles and sauerkraut technology 9.7 Vegetable canning Chapter 10 Quality control/quality assurance and international ...

### **Fruit and vegetable processing - Contents**

Giora Ben-Ari, Uri Lavi, in Plant Biotechnology and Agriculture, 2012. Selection of parents for the generation of heterosis. Heterosis refers to the superior phenotypes observed in hybrids relative to their inbred parents with respect to traits such as

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growth rate, reproductive success, and yield. Heterosis was discovered in maize about a century ago and has subsequently been found to occur in ...

### **Heterosis - an overview | ScienceDirect Topics**

Abstract. Heterosis for yield in bulb onions (*Allium cepa* L.) has been recognised and exploited commercially through the production of F<sub>1</sub> hybrid varieties. This chapter reviews heterosis in the onion crop under four major headings: historical development of hybrids; male sterility; seed production of hybrids; and evidence for heterosis.

### **Heterosis and Hybrid Cultivars in Onions | SpringerLink**

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13: Beans—Dry, Snap, and Lima. Chapter 14: Beets.

### **Chapter 6: Pesticide Information and Safety | New York ...**

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### **NCERT Solutions for Class 6 Science Chapter 6 Changes ...**

Heterosis study guide by mat\_hutchings25 includes 14 questions covering vocabulary, terms and more. Quizlet flashcards, activities and games help you improve your grades.

### **Heterosis Flashcards | Quizlet**

Heterosis in Vegetables · Hybrid vigour was first observed in cucumber for fruit size and number: Hayes and Jones (1916) at

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Japan. · In 1942, Munger: First to highlight the possible utilization of F<sub>1</sub> hybrids in muskmelon. · In India, first report of hybrid vigour appeared in 1933 in chilli at IARI, New Delhi.

### **Exploitation of Heterosis in Cucurbits**

Heterosis is used to increase yields, uniformity, and vigor. Hybrid breeding methods are used in maize, sorghum, rice, sugar beet, onion, spinach, sunflowers, broccoli and to create a more psychoactive cannabis.

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