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Center for Smart Agriculture

High value Cut flowers



Module 1: Gerbera Cultivation
Session 1: Introduction to Gerbera



Gerbera

- Scientific Name: *Gerbera jamesonii*
- Family: Asteraceae
- Origin: South Africa
- $2n = 50$
- Common name: African daisy





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Importance and use of Gerbera flowers

- Gerbera flowers are beautiful and attractive
- Decorations
- Bouquet preparation
- Flower pot preparation





Characteristics

- Gerbera is a herbaceous plant
- Flowers look like daisy
- Usually prefers warm and humid climate
- Propagated by
 - seeds
 - Cuttings
 - Tissue cultured plants



Gebera Seeds



Tissue cultured Gerbera



Botanical Description

- Asexually reproduced
- Perennial flower plant
- Stemless
- Pitiolated leaves
- Flower type:
 - Single: Single row of petals around the centre of the flower
 - Semi-double: Consists of only ray and disc florets
 - Double: Consists of ray, disc and trans florets





Status of Gerbera in India

Sr No.	State	Production(000MT) (Cut)	Production(000MT) (Loose)
1	ARUNACHAL PRADESH	0.02	-
2	ASSAM	7.43	4.99
3	HIMMACHAL PRADESH	0.30	-
4	KARNATKA	2.37	-
5	Maharashtra	0.66	-
6	Manipur	0.01	-
7	MEGHALAYA	0.92	-
8	MIZORAM	0.00	0.03
9	NAGALAND	0.04	-
10	SIKKIM		-
11	Tamil Nadu	0.52	-
12	TELANGANA	3.13	-
13	UTTARAKHAND	5.14	-
Total		20.54	5.02

NHB, 2015-16



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Popular Hybrids



Red coloured hybrids

- Red bull
- Ruby red
- Zingaro
- Miracle
- Yanara





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Yellow coloured hybrids

- Supernova
- Imperial
- Piton
- Dana-elen





Pink coloured Hybrids

- Rosalin
- Salvador
- Pink elegance
- Essence
- Prime rose
- Intense





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Orange coloured Hybrids

- Dune
- Sunset
- Sunway
- Golianth





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White coloured Hybrids

- Snow flake
- Balance
- Vital
- Shimmer





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Peach coloured Hybrids

- Aida
- Foske





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THANK YOU