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# Centre for Smart Agriculture

## Production Technology of cut and loose flower



**Module 1: Propagation Techniques in cut  
and loose flowers**

**Session 1: Propagation in gladiolus**



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- **Multiplication of plants is termed as propagation.**
- **Propagation may be sexual or through asexual mode.**



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**Gladiolus can be propagated through**

- a)corms**
- b)cormels**
- c)seeds**
- d)tissue culture.**



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**Commercial method of propagation is through corm.**

- **A corm is a swollen stem base covered with scale leaves.**
- **A small corm that is vegetatively propagated by a fully mature corm is known as cormel.**



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**Gladiolus corm**



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## **CORM COLLECTION**

- **Time of planting of corm: First fortnight of October**
- **Ideal size of corm: 4-5 cm in diameter**





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# TREATMENT

- **Corms and cormels to be treated with 0.1% Bavistin for one hour.**
- **Then dry them in shade before planting.**





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## **DORMANCY BREAKING**

- Dip the corms in
  - a) Thiourea 500 ppm for 24 hrs,
  - b) GA3 50 ppm for 30 min,
  - c) 10% H<sub>2</sub>S for 30 min
  
- Cold storage of corms at 3-7<sup>0</sup>C for 3 months





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**Thank you.....**