

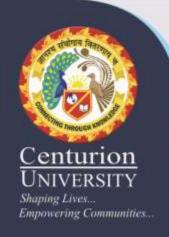
Centre for Smart Agriculture

Production Technology of cut and loose flower



Module 1: Propagation Techniques in cut and loose flowers

Session 1: Propagation in gladiolus



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



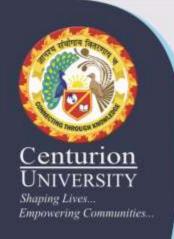
Gladiolus can be propagated through

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



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.





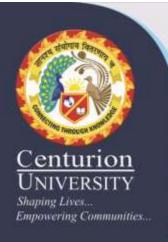
Gladiolus corm



CORM COLLECTION

■Time of planting of corm: First fortnight of October

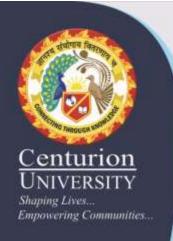
■ Ideal size of corm: 4-5 cm in diameter



TREATMENT

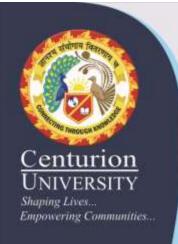
- Corms and cormels to be treated with 0.1% Bavistin for one hour.
- Then dry them in shade before planting.





DORMANCY BREAKING

- Dip the corms in
- a) Thiourea 500 ppm for 24 hrs,
- b) GA3 50 ppm for 30 min,
- c) 10% H₂S for 30 min
- Cold storage of corms at 3-7°C for 3 months



Thank you.....