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Centre for Smart Agriculture

Production Technology of cut and loose flower



Module 2: Cultural practices followed in cut and loose flowers

Session 15: Different types of plant growth regulator



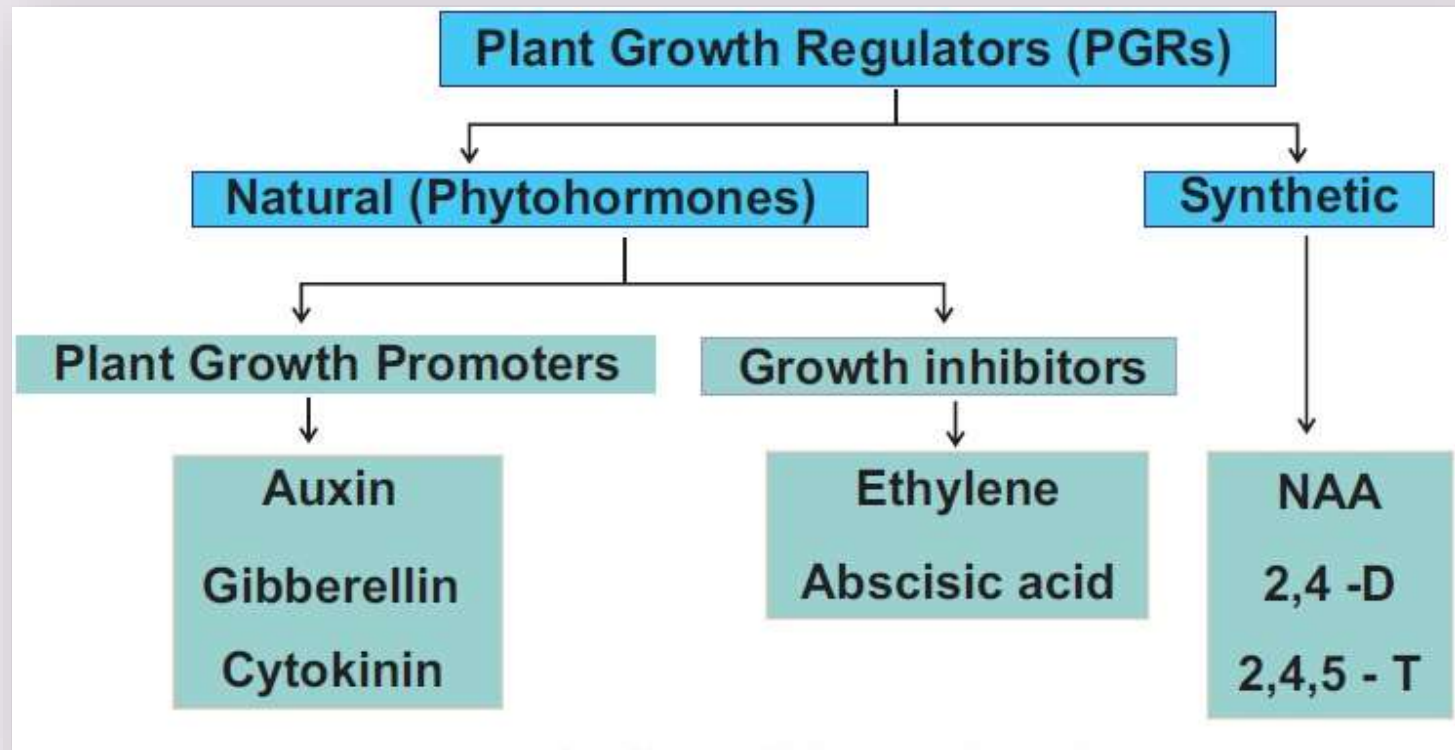
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A plant growth regulator is an organic compound either natural or synthetic that modifies or controls one or more specific physiological processes within a plant.



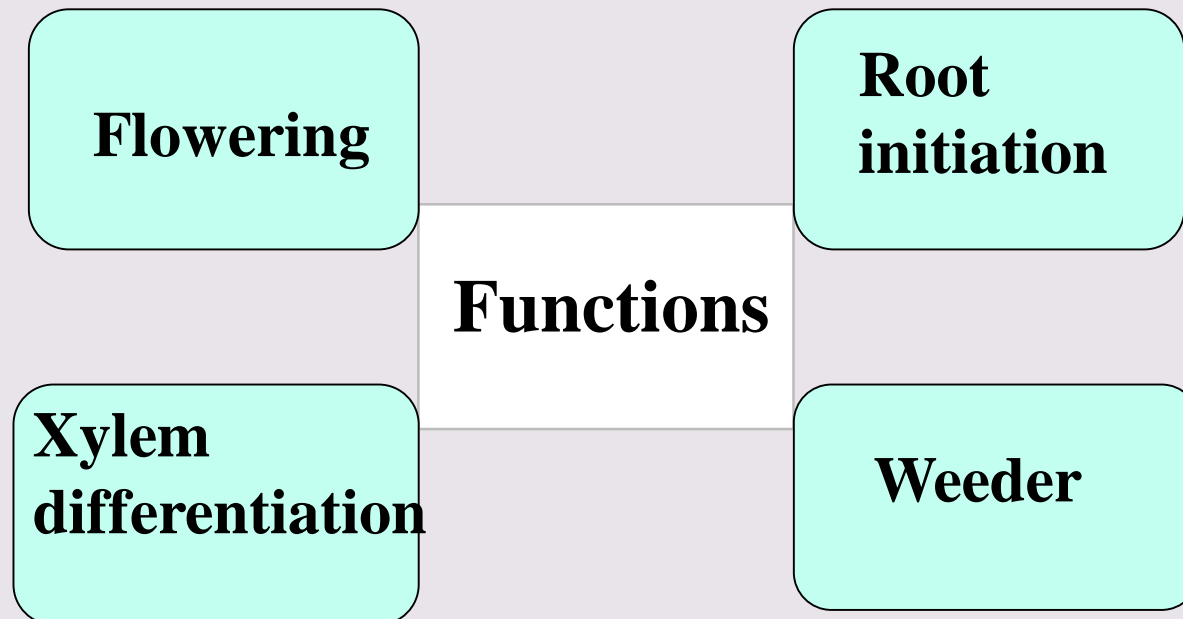
CLASSIFICATION





Auxin:

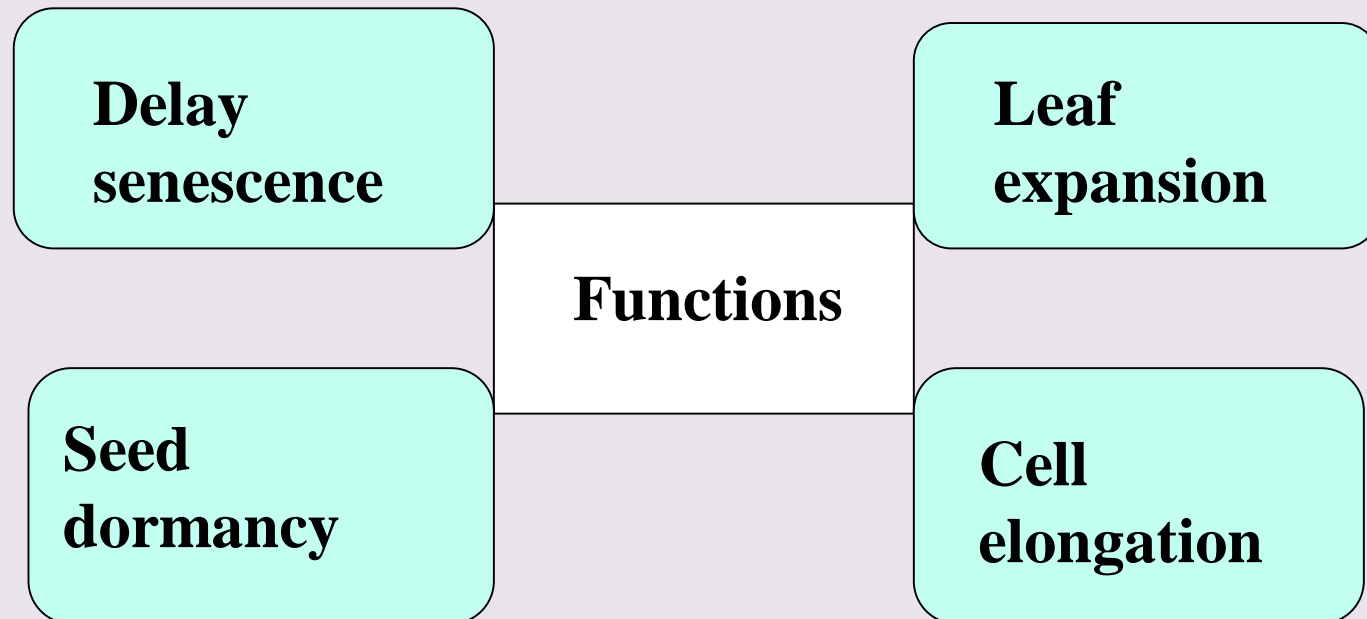
- generally produced at the points of stems and roots from where they are transported to other parts of the plants





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Cytokinin:

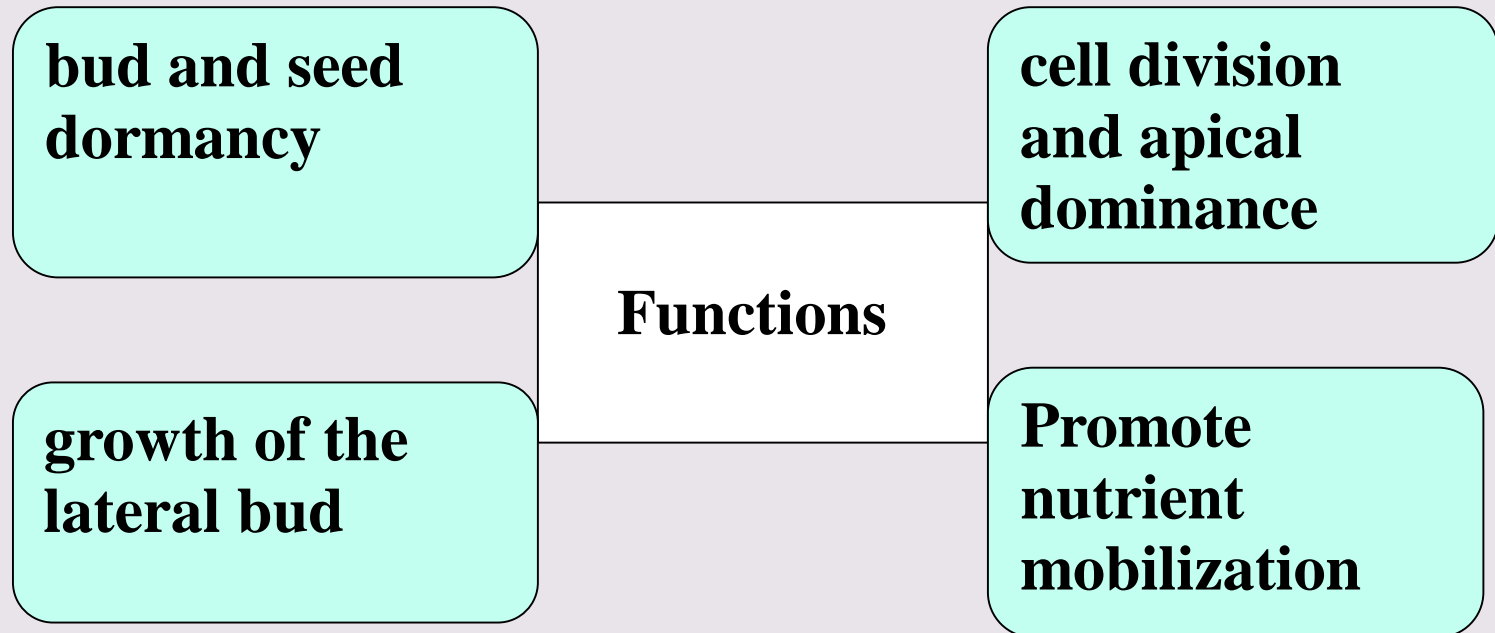




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Gibberellins:

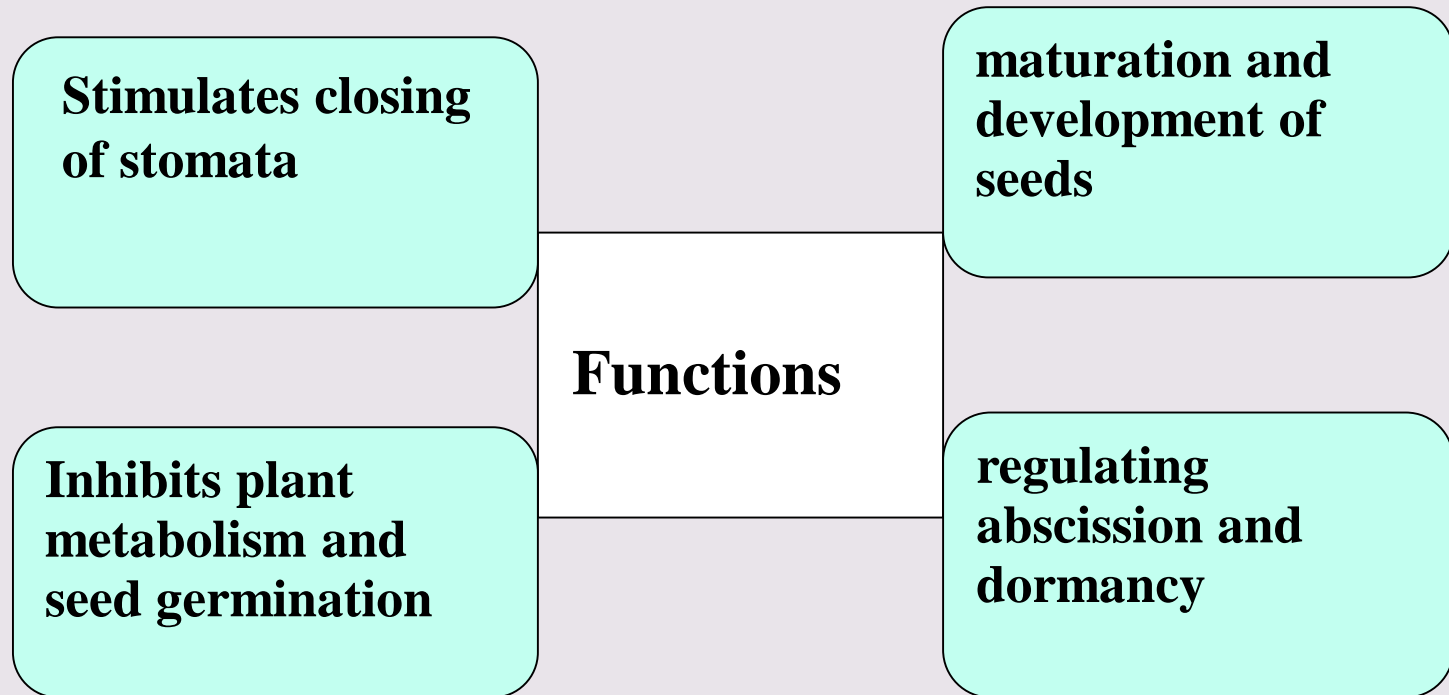




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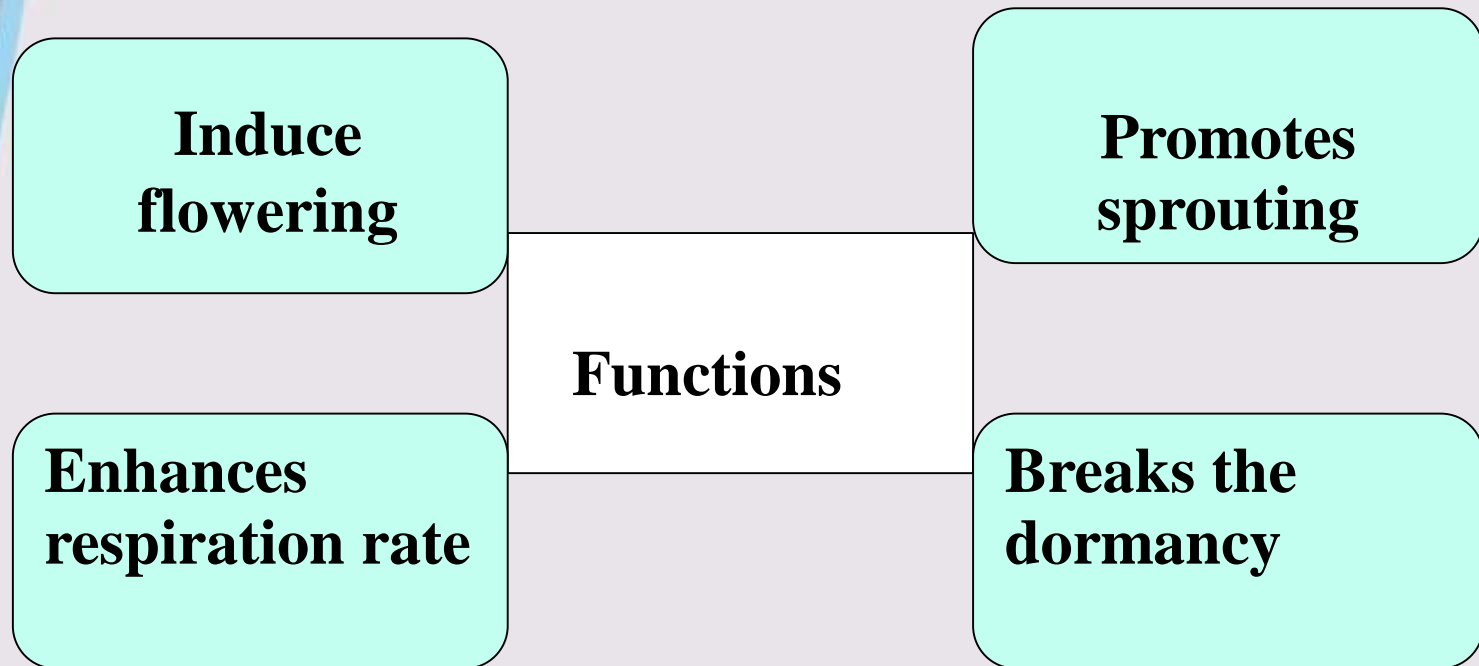
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Abscisic Acid:





Ethylene:





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Concentration:

- IBA @ 3000ppm for semi hardwood cutting and 6000 ppm for hard wood cutting in ornamental plants.
- IBA @ 1000-10,000ppm for cutting in ornamental.
- NAA @ 600 ppm used to regulate flowering.
- GA3 @ 1ppm improves seed setting in cineraria.
- Ethephone @ 200 to 500 ppm induces flower.



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Thank you....