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A REVIEW

Effect of plant growth regulators on crop production

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Abstract : Plant growth regulators are the naturally extracted or synthesised compounds which are used in smaller quantity to modify the hormonal activity in agricultural and horticultural crops. Though there effect was not totally revealed there was some significant works carried out to know the effect of growth regulators on agronomic crops they are now using in wide range of crops to alter different parameters such as plant height, canopy development, effective branching, flower imitation and improving yield. They also play a key role in dryland farming as some of the plant growth regulators are used in stress tolerance of the crops. Few research works are carried to know the effect of major plant growth regulators on cereals and pulses. The plant growth regulators like auxins, gibberellins, cytokinins and ethephon are the majorly used plant growth regulators in cereals and pulses to obtain optimum plant growth and to improve the yields.

Key Words : Plant growth regulators, Auxins, Gibberllic acid, Cereals, Pulse

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