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Nanotechnology: A New Revolution to Increase Agricultural Production

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Abstract : To increase the agricultural production Indian farmer needs to aware of the latest technology i.e. precision farming to maximize the crop yield and minimize the input (fertilizer, pesticide etc.) through monitoring the environmental factors. Biotechnology and information technology have provided lots of opportunities for the development of agriculture. But, still we have to do much more for increasing our agricultural production in order to achieve the target growth of agriculture to secure food, to eliminate poverty and improve living style, to enhance agricultural exports and national income and to improve quality of agricultural products. Nanotechnology can be a great element to satisfy these requirements and to boost the multi-dimensional development of agriculture in order to fulfill the dream of Indian farmers. Nanotechnology is the most rapidly growing area of science and technology with its application in physical science, chemical science, life science, material science and earth science. Nanotechnology is a part of any nation's future. Research in nanotechnology has extremely high potential to benefit society through application in agricultural sciences. Nanotechnology has greater potential to bring revolution in the agricultural sector.

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