FERTIGREEN™-P

Phosphate Rich Organic Manure (PROM) is a green chemistry phosphate fertilizer, a value-added product produced by co-compositing various organic wastes with high grade rock phosphate in fine size. Phosphates play a vital role in the balanced nutrition of plants. Most of the soils in India are low to medium in phosphate (P) content which requires external application of P for good harvest. Di-Ammonium Phosphate (DAP) is the undisputed king among the chemical phosphate fertilizers. Excessive application of chemical fertilizer and its high cost have led to the demand for organic agriculture for the health of both soil and consumers. Ministry of Agriculture and Cooperation has now approved the use of PROM and included it under Fertilizer Control Order (FCO).

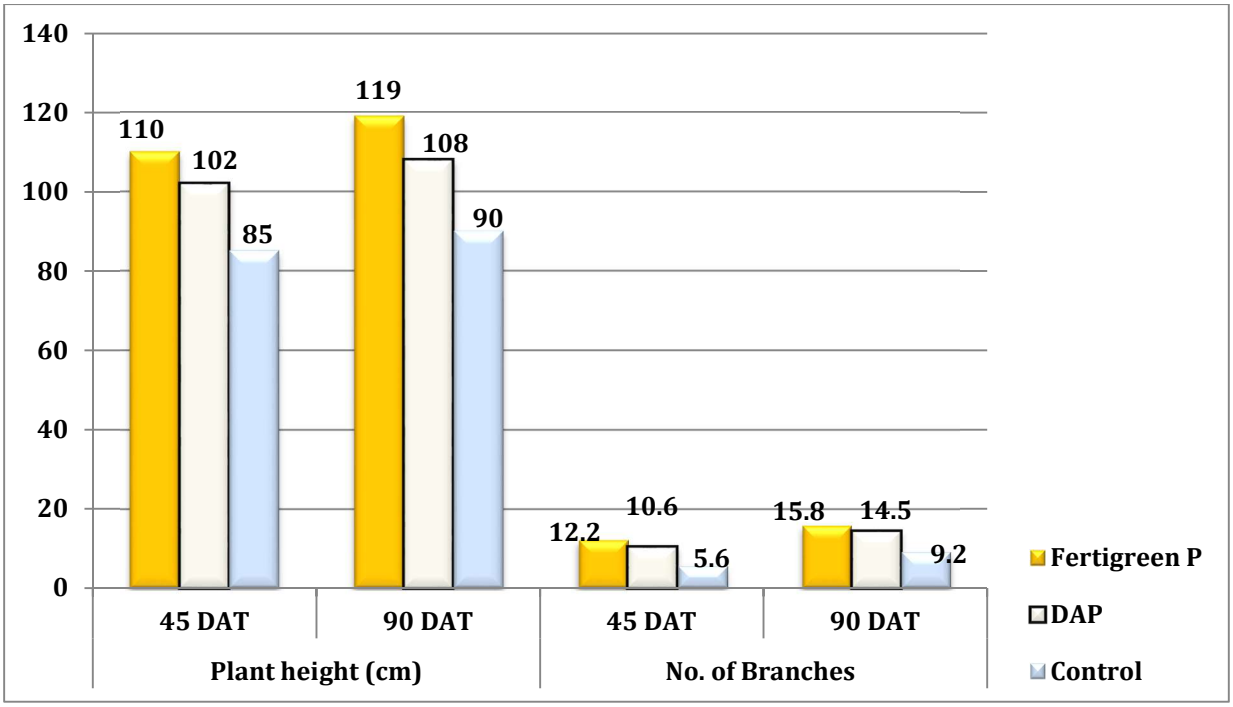
Availability of phosphorus

Phosphate rich organic manure contains 10.42 % phosphorus, 7.9 % organic carbon and has C:N ratio >20:1, acts as alternative to DAP and makes soil soft and enriched with nutrients for long time. PROM efficiently fulfills the phosphate requirement of the crops. Ensuring 100 % availability of Phosphorous, it comes as an ideal solution to the prevalent phosphate fixation problem.

Alternative to DAP

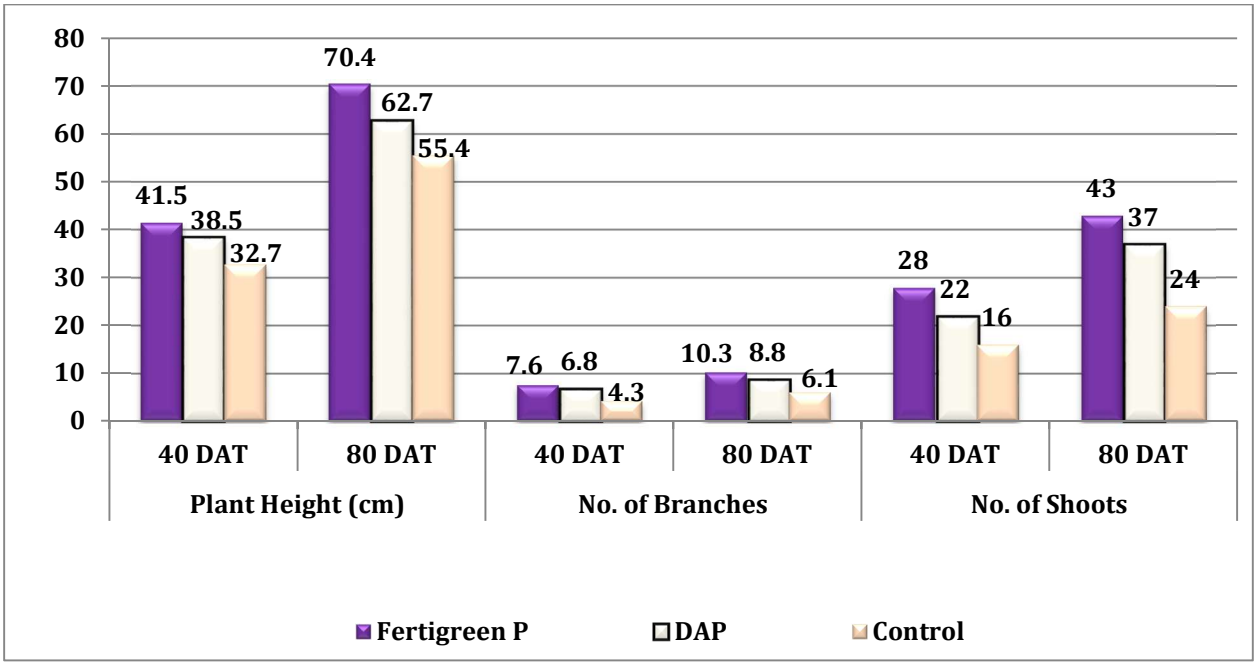
Fertigreen P is the best alternative to synthetic chemical fertilizers such as DAP / SSP. Excessive use of chemical fertilizers causes soil and consumer health problems hence Fertigreen P is the best source of the phosphate for all types of soil and crops.

Effect of Fertigreen P on growth of Tomato



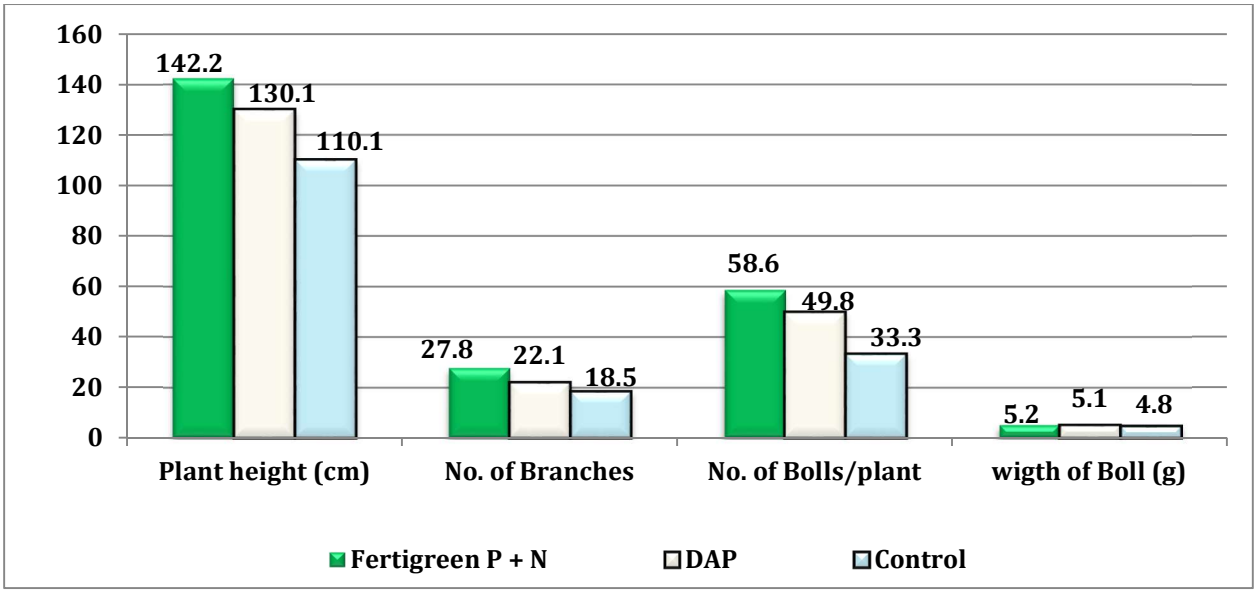
At Transplanting	45 DAT	90 DAT
1st Dose	1st Result & 2nd Dose	2nd Result

Effect of Fertigreen P on growth of Brinjal



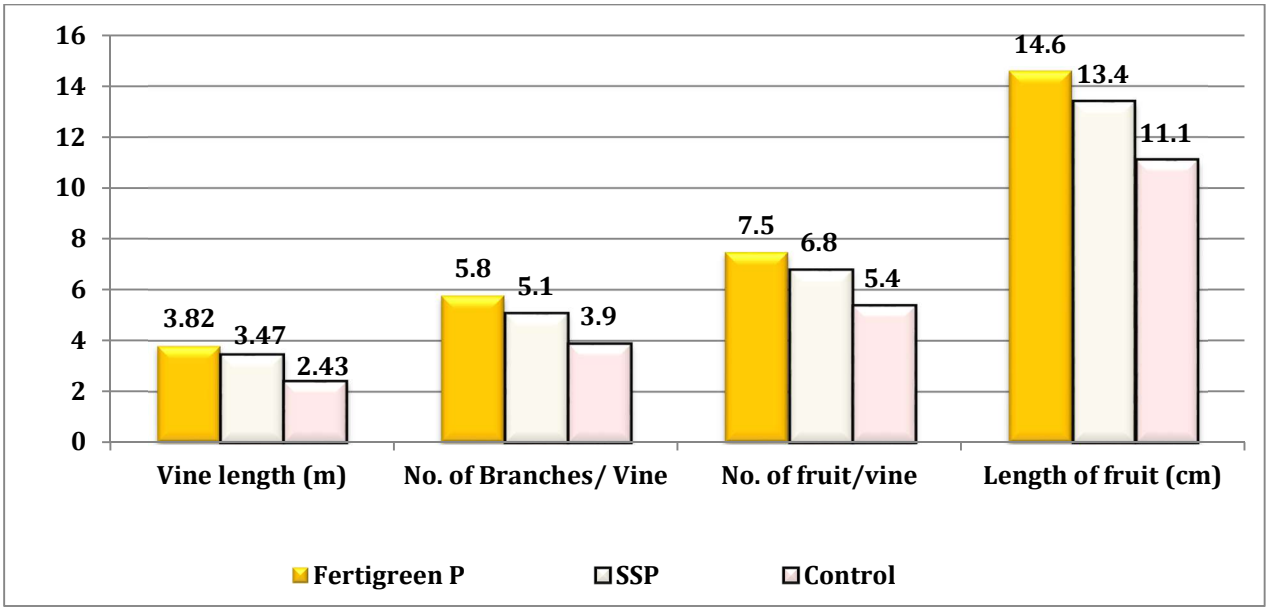
At Transplanting	40 DAT	80 DAT
1st Dose	1st Result & 2nd Dose	2nd Result

Effect of Fertigreen P on growth of Cotton



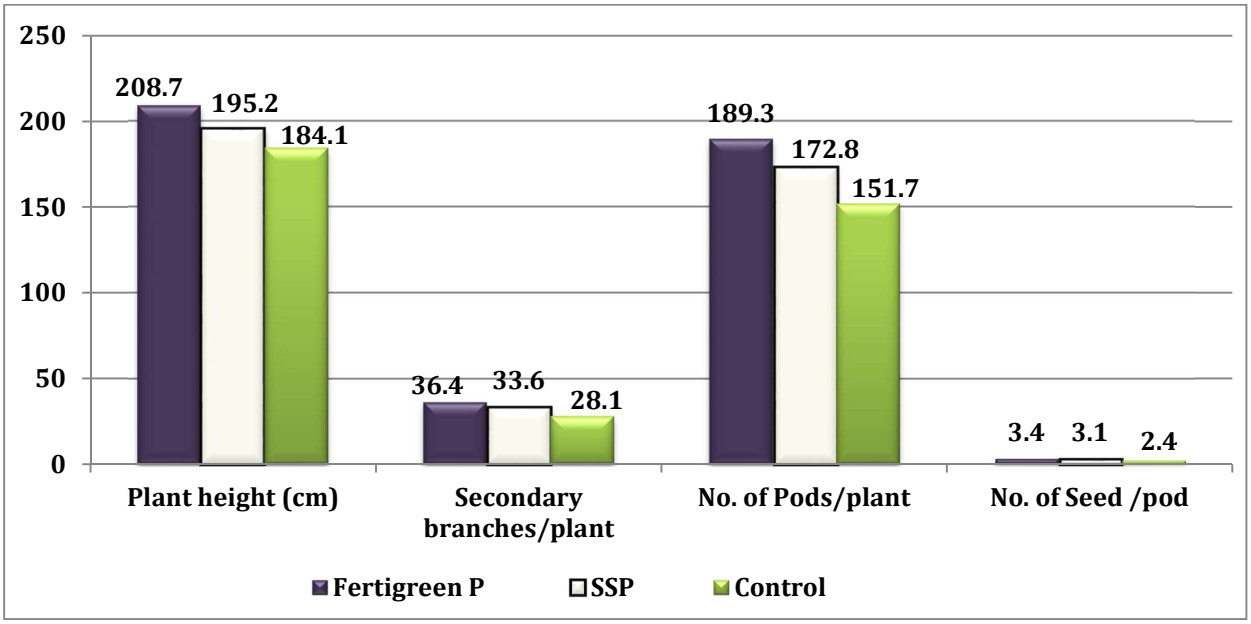
30 DAS	90 DAS	130 DAS
1st Dose	2nd Dose	1st Result

Effect of Fertigreen P on growth of Cucumber



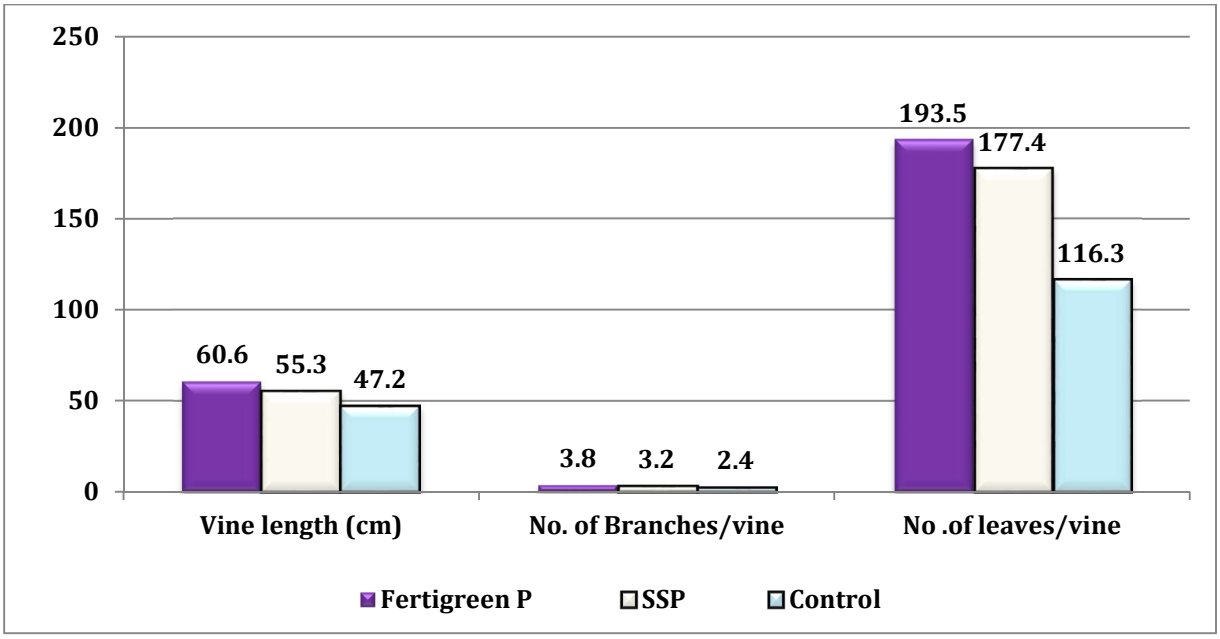
At Sowing	60 DAS
1st Dose	Result

Effect of Fertigreen P on growth and yield parameters of Pigeon Pea



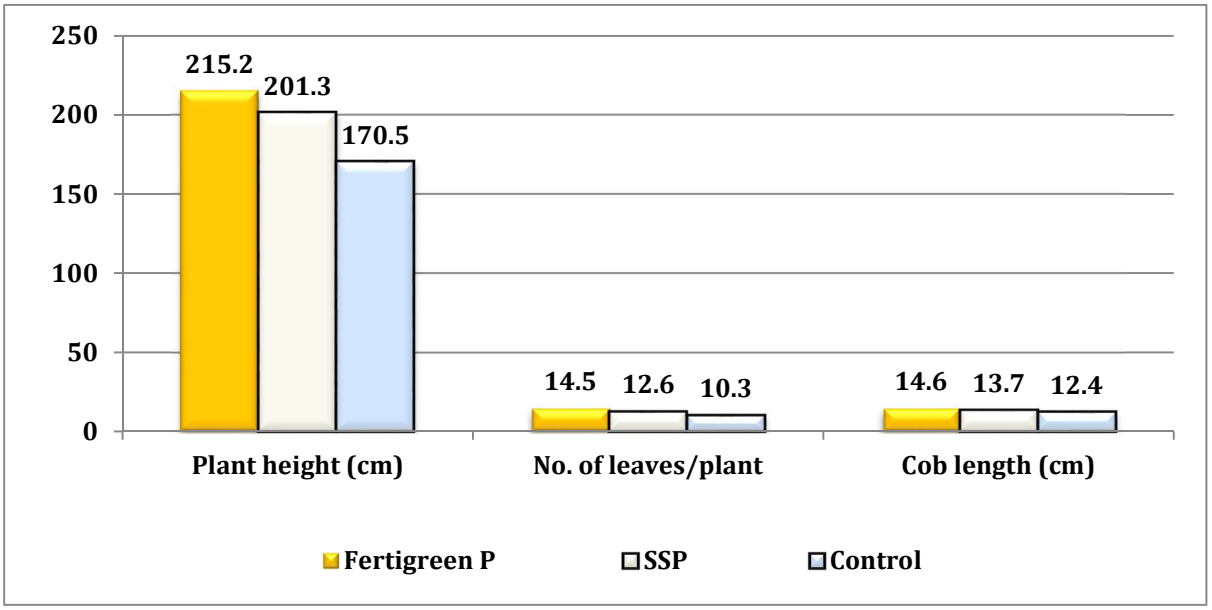
0 Days	60 DAS	120 DAS	160 DAS
1st Dose	2nd Dose	3rd Dose	Result

Effect of Fertigreen P on growth parameters of bitter gourd



20 DAS	60 DAS
1st Dose	Result

Effect of Fertigreen P on growth parameters of Maize



At Sowing	60 DAS	110 DAS
1st Dose	2nd Dose	Result

Enhances plant growth

Phosphate has major role in plant growth and development and hence called "Building Block" of plant. In photosynthesis and respiration phosphorus plays major role in energy storage. Better availability of phosphorus improves germination, enhances the growth and development of the crops.

Improves the soil health

Maximum amount of P applied to soils through DAP goes waste, while the rest is converted to forms which cannot be used by the crops, a phenomenon which is known as phosphate fixation problem also affect the soil health. The use of Fertigreen P overcomes the phosphate fixation problem and maintains the soil health. Microbial activity of soil increases, which results in improvement in soil porosity, water holding capacity and pH of the soil.

Cost effective

Production of PROM is highly cost- effective as it is a low energy process that does not demand high temperature or high pressure (operates at ordinary temperature and pressure), needs no chemical catalyst and does not consume any valuable chemicals. Hence its production cost is low as compared to synthetic fertilizers.

Use in conventional, sustainable and organic production systems

The Fertigreen P can be used in conventional, sustainable & Organic production systems for the improvements in soil & plant health to maximize the yield. Fertigreen P is recognized as fully compliant for use on organic crops.

Proven performance

Many research trials have shown that soil application of Fertigreen P have very significant effects on growth & yield of various crops

Environmental safety

Being Environment friendly Fertigreen P is Earthworm friendly, pet friendly,

ecofriendly, infant friendly & does not disturb ecological balance.

HIGHLIGHTS

Provides readily available phosphorus to the plant as a when required

Acts as alternative to chemical phosphate fertilizers

Provides micro-nutrients like cobalt, copper, zinc along with primary nutrients

Improves physical, chemical and biological properties of soil

For use in conventional, sustainable and organic production

Environmentally safe

Be in touch with your Retailer or Green Earth Team member.
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