



www.prathista.com

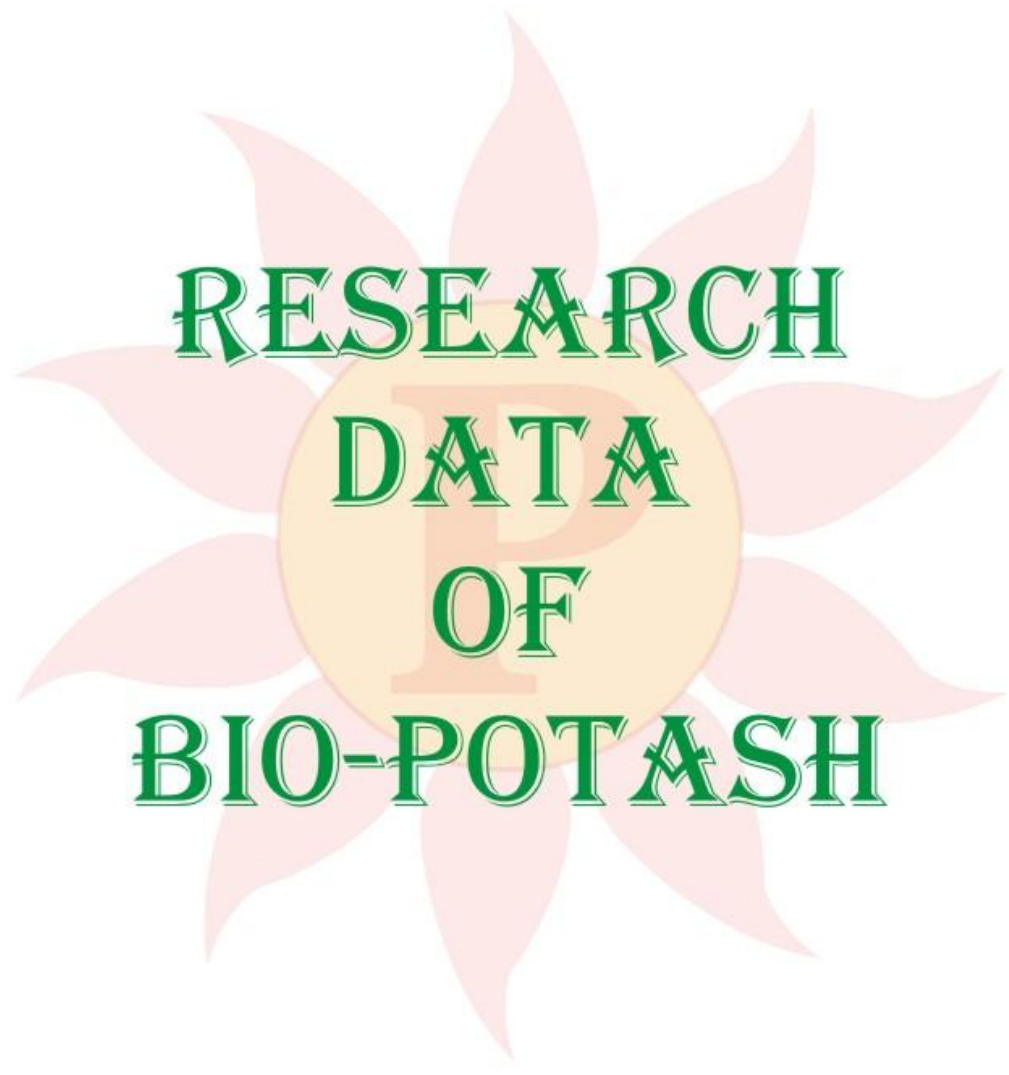
NATIONAL & INTERNATIONAL BIO-EFFICACY TRIALS OF PRATHISTA ORGANIC FERTILIZERS



PRATHISTA INDUSTRIES LIMITED

AN ISO 9001, 14001 & OHSAS 18001 CERTIFIED COMPANY

1-5-1015 / 80 & 81, Father Balaiah Nagar, Manjeera Nagar Colony, Old Alwal,
SECUNDERABAD - 500 010, Ph: +91 40 2797 4989, Fax: +91 40 2797 6650
Email: info@prathista.com, Web: www.prathista.com



**RESEARCH
DATA
OF
BIO-POTASH**



www.prathista.com



Bio-Efficacy Trails of
PRATHISTA ORGANIC FERTILIZERS

BIO EFFICACY TRIAL OF ORGANIC MANURE BIO-POTASH IN MAIZE (*Zea mays*)

Department of Horticulture, University of Agricultural Sciences,
GKVK, Bangalore

Objective : To study the Bio efficacy of BIO-POTASH in Maize

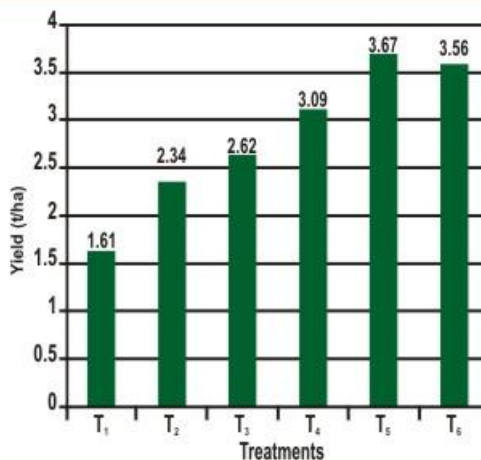


TREATMENTS & YIELD (t/ha)

T ₁	Control (no fertilizers)	1.61
T ₂	NP (100:50 Kg/ha)	2.34
T ₃	NPK (100:50:50 Kg/ha)	3.62
T ₄	T ₂ + Bio - Potash @ 25 Kg/ha	3.09
T ₅	T ₂ + Bio - Potash @ 0.25 % Foliar Spray	3.67
T ₆	T ₃ + Bio - Potash @ 25 Kg/ha	3.56

RESULTS

- Results indicate that application of Bio-Potash in granular form (25kgs/ha) (T₄) or as a foliar spray 0.25% (T₅) in combination with recommended dose of N&P recorded higher yields in comparison with the yields achieved in treatment T₁ where recommended dose of NPK was applied through Inorganic sources (2.62 t/ha).
- This Indicate that Bio-Potash in Granular form or foliar spray can be effective substitute for inorganic source of potash.





www.prathista.com



Bio-Efficacy Trails of
PRATHISTA ORGANIC FERTILIZERS

EFFECT OF DIFFERENT DOSES OF BIO-POTASH (G) ON GRAIN YIELD OF WHEAT (*Triticum aestivum*)

Narendra Deva University of Agriculture and Technology, Faizabad, U.P.

Objective : To study the effect of different doses of BIO-POTASH on the yield of wheat

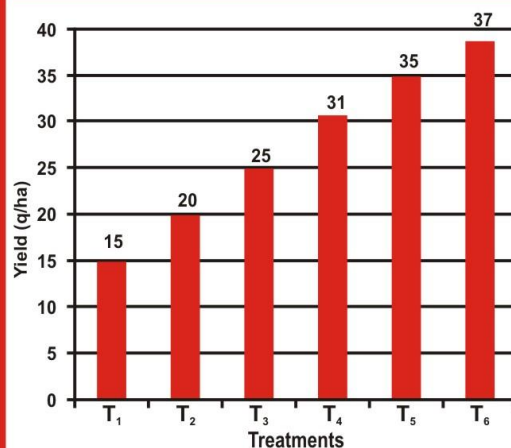


TREATMENTS & YIELD (q/ha)

T ₁	Control (no fertilizers)	15.50
T ₂	Bio-Potash 5 Kg/ha + Recommended dose of N&P	20.00
T ₃	Bio-Potash 10 Kg/ha + Recommended dose of N&P	25.22
T ₄	Bio-Potash 15 Kg/ha + Recommended dose of N&P	31.65
T ₅	Bio-Potash 25 Kg/ha + Recommended dose of N&P	35.55
T ₆	Bio-Potash 35 Kg/ha + Recommended dose of N&P	37.14
	Sem	2.02
	CD at 5%	5.05

RESULTS

- The results indicate maximum yield with the application of 35 kgs of Bio-Potash per ha (T₆ – 37.14 q/ha). But this treatment was on par with T₅ (25 kgs per ha – 35.55q/ha). Hence, the optimum dose of 25 kgs/ ha can be recommended.





www.prathista.com



Bio-Efficacy Trails of
PRATHISTA ORGANIC FERTILIZERS

EVALUATION OF BIO- POTASH ON BHENDI (*Abelmoschus esculentus*)

G.B Pant University of Agriculture and Technology,
Pantnagar, Uttaranchal

Objective : To study the bio efficacy of BIO-POTASH in Bhendi

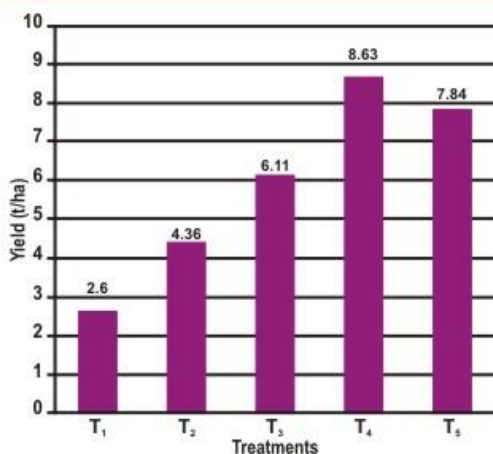


TREATMENTS & YIELD (t/ha)

T ₁	Control (no fertilizers)	2.60
T ₂	NP (100:50 Kg/ha)	4.36
T ₃	NPK (100:50:50 Kg/ha)	6.11
T ₄	T ₂ + Bio Potash @ 0.25% spray	8.63
T ₅	T ₂ + Bio Potash @ 25 Kg/ha	7.84

RESULTS

- The results indicate that application of Bio-Potash as foliar spray (0.25% - T₄ - 8.63t/ha) or in granular form (25Kgs/ha - T₅ - 7.84 t/ha) in combination with recommended dose of N & P (T₂) recorded significantly higher yield compared to Treatment T₃ (100:50:50) where 100% recommended dose of fertilizer was applied through Inorganic sources (6.11t/ha).
- The results therefore suggests that Bio-Potash @ 0.25% or 25kgs/ha can be an effective substitute to the application of 50 kgs of Potash as MOP.





www.prathista.com



Bio-Efficacy Trails of
PRATHISTA ORGANIC FERTILIZERS

STUDY ON THE IMPACT OF BIO-POTASH AND BIO-MAGNESIUM ON COTTON (*Gossypium hirsutum*)

Tamilnadu Agricultural University, Coimbatore, Tamil Nadu

Objective : To assess the effectiveness of BIO-POTASH and BIO-MAGNESIUM (liquid and granule) in cotton.



TREATMENTS & YIELD (q/ha)

T ₁	Control (no fertilizers)	10.2
T ₂	NP	16.7
T ₃	NPK	19.5
T ₄	T ₂ + Bio Potash @ 0.25 % + Bio Magnesium @ 0.3%	20.7
T ₅	T ₂ + Bio Potash @ 25 Kg/ha + Bio Magnesium @ 25 Kg/ha	20.5

RESULTS

- Yield achieved under treatments T₄ & T₅ suggests that Bio-Potash and Bio-Magnesium either in granular form 25 kgs/ha or as foliar spray 0.25% in combination with recommended dose of N&P can be effective substitute to Inorganic source of Potash as applied in treatment T₃.

