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NATIONAL & INTERNATIONAL BIO-EFFICACY TRIALS OF PRATHISTA ORGANIC FERTILIZERS



PRATHISTA INDUSTRIES LIMITED

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RESEARCH DATA OF NEW-SURYAMIN





BIO EFFICACY OF "SURYAMIN" IN MOONG (Vigna radiata) AND URD (Phaseolus mungo) CROPS

University of Agricultural Sciences, Council of Scientific and Industrial Research, Jammu

Objective: To study the bio efficacy of Suryamin in increasing yield in Moong and Urd Crops.

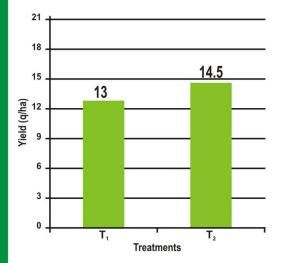
TREATMENTS

T	Control	(no fertilizers)	
1.	COILLIOI	(110 16111112615)	

Sprayed with Suryamin (0.3%)



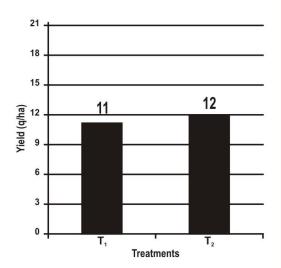
BIO EFFICACY OF "SURYAMIN" IN MOONG



RESULTS

- Data reveals that in "Moong crop" maximum plant height 89.80 cms was recorded in treated sprayed plants as compared to 82.50 cm in unsprayed control plots. The spray resulted in 8.84% increase in plant height over control.
- With respect to number of pods per plant, 45.28% increase was observed in the treated plant over control.
- Maximum moong yield 14.5 q/ha was recorded in Suryamin treated plot as compared to 13 q/ha in control plot.
- In "Urd crop" New-Suryamin increased the plant height by 6.82% over control.
- Maximum number of pods per plant (47.0) were recorded in Suryamin treated plot compared to control (39.0).
- Similarly Maximum urd yield 12 q/ha was recorded in Suryamin treated plot as compared to 11q/ha in control plot.

BIO EFFICACY OF "SURYAMIN" IN URD







EFFICACY EVALUATION OF NEW SURYAMIN AS SOIL AMENDMENT / NUTRIENT SUPPLEMENT FOR LOW LAND RICE (Oryza sativa)

Adoracion Torres-guy, University Researcher Soils and Agro Ecosystems Division,
Agricultural Systems Cluster, College of Agriculture, U.P. Los Banos,
College Laguna, Philippines

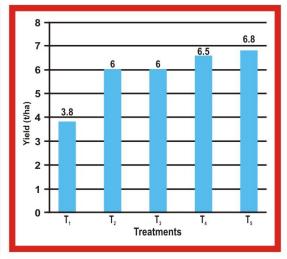
Objective: To evaluate the efficacy of New Suryamin on the yield of Lowland rice.



TREATMENTS			
T ₁	Control (no fertilizers)		
T ₂	Recommended dose of conventional fertilizer(90-60-60 kg/ha)		
T ₃	50% Recommended dose of T ₂		
T ₄	50% Recommended dose of conventional fertilizer + Recommended dose of New Suryamin (65 Kg / ha)		
T ₅	Recommended dose of conventional fertilizer + Recommended dose of New Suryamin (65 Kg / ha)		
T ₅			

RESULTS

- Application of New Suryamin in combination with 100% or 50% Recommended dose of fertilizer resulted in increase in tiller count, panicle count, straw yield and grain yield.
- Application of New Suryamin in combination with 50% Recommended dose of fertilizer (T_a) recorded comparable yield (6.5 t/ha) when compared to the yield recorded in the treatment (T_s) 100% Recommended dose of conventional fertilizer + Recommended dose of New Suryamin (6.8 t/ha). This indicates that application of 50% of recommended dose of fertilizer can be reduced by substituting with recommended dose of suryamin.







COMPATIBILITY STUDY OF SURYAMIN WITH COPPER AND SULPHUR FUNGICIDES IN BHENDI (Abelmoschus esculentus)

Fredrick Institute of Plant Protection and Toxicology,

Kancheepuram District, Tamil Nadu

Objective: To evaluate the compatibility effect of Suryamin with copper and sulphur fungicides on the growth and yield attribute of Bhendi



TREATMENTS & YIELD (t/ha)			
T _t	Control	5.5	
T ₂	New Suryamin @ 0.50%	6.7	
T ₃	New Suryamin @ 0.50% + Copper oxychloride 50% WR @ 1.25 Kg a.i./ha		
New Suryamin @ 0.50% + Sulphur 80% WP @ 2.50 Kg a.i./ha		6.3	

RESULTS

- Spraying of New-Suryamin @ 0.50% in combination with copper oxychloride 50%WP @ 1.25 kg a.i/ha (T₃) gave the highest Bhendi fruit yield of 6.98 t/ha, which contributes 26.1% yield increase over control.
- Foliar application of "New-Suryamin" @ 0.50% sprayed along with Copper oxychloride 50% WP @ 1.25 kg a.i/ ha during the flowering stage and fruit initiation stage of Bhendi, (T, - 6.9 t/ha).
- Similarly spraying of "New-Suryamin" @ 0.50% along with 80% Wettable sulphur @ 2.5 kg a.i/ha recorded an yield of 6.3 t/ha (T₄) which contributes 15% yield increase over control.
- The results therefore indicate that copper oxychloride & Wettable sulphur are compatible with "New-Suryamin".

