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Lr.No.21877/Res.IV(3)/2006

Dated: 23-06-2007

From
Dr. P. Raghava Reddy
DIRECTOR OF RESEARCH

To
M/s. Master Agro Products,
MIG – 62, 02P colony,
Srikakulam – 532 001,
Andhra Pradesh.

Sir

Sub:- ANGRAU – Evaluation of Aparamrutham (Organic Plant nutrient) on rice-fallow black gram – Final test report –
Furnished.

Ref:- Lr.No. D4/Paid up trial/Aparamrutham/2006-07, dt. 31.5.2007
from Principal Scientist (Pulses)/i/c, RARS, Lam, Guntur.

Please find enclosed the final test report on "evaluation of Aparamrutham (Organic Plant nutrient) on rice-fallow black gram" conducting during Rabi, 2006-07 at Regional Agricultural Research Station, Lam, Guntur for taking necessary action.

Yours faithfully

P. Raghava Reddy
for DIRECTOR OF RESEARCH

P.R.
23/6/07

EVALUATION OF APARAMRUTHAM IN RICE- FALLOW BLACKGRAM

1. **Title of the experiment** : Evaluation of Aparamrutham (organic plant nutrient) in rice- fallow blackgram
2. **Name and address of the sponsorer**: M/s Master Agro Products
MIG -62, O2P Colony,
Srikakulam- 532 001
Andhra Pradesh.
3. **Objective** : To evaluate the effect of Aparamrutham (organic plant nutrient) on growth and yield of rice-fallow blackgram.
4. **Product tested** : Aparamrutham (organic plant-nutrient)
5. **Name and address of the institute where tested**: Regl. Agril. Research Station
Lam farm, Guntur – 522 034
6. **Experimental details** :

Season :	Rabi, 2006-07
Design :	RBD
Replications :	4
Spacing :	30 cm x 10 cm
Plot size :	8 mt x 2.5 mt
Treatments :	6
Test variety :	LBG 709
Date of sowing :	09.12.06
Date of harvesting :	07.03.2007
NO. of sprays given :	2 (on 09.01.07 and 23.01.07)
Spray fluid used :	500 lts/ha
Location :	ARS, ^{CHANTASALA} Garikapadu. (Rice-fallow blackgram)

A. Subba Ramu Reddy
31/5/07
Scientist (Agron)

A trial was laid out at Agril. Research Station, Ghantasala on rice-fallow blackgram (Variety LBG 709) during Rabi, 2006-07 to evaluate the effect of Aparamrutham (organic plant nutrient) on growth and yield of blackgram.

The treatments were imposed at 30 DAS (Vegetative stage) followed by 44 DAS (Flowering stage).

Result: In all the treatments there is no significant difference in plant height, main branches and side branches. But, there is a significant difference in number of pods per plant among the treatments which was reflected in yield also.

Among all the treatments, 5% Panchagavya spray had given highest significant yield (755 Kgs/ha). Spraying of 3% Aparamrutham had given yield of 617.5 Kgs/ha which is statistically not significant. However, there is 26.6 per cent yield increase was recorded with 5% panchagavya spray and 10.3 per cent with 3% Aparamrutham spray when compared to control.

Conclusion: Foliar spray of 5% panchagavya at 30 and 45 DAS had given highest yield followed by foliar spray of 3% Aparamrutham in rice-fallow blackgram.

A. Subbarao Namal Subbarao
21/5/07.

Scientist (Agro)

Effect of homeo-medicine (Aparamrutham) on the yield and yield attributes of rice-fallow blackgram

Treatments	Plant height (Cm)	Main Branches (No)	Side Branches (No)	Pods per plant	Yield (Kgs/ha)	100 seed weight (gm)	% increase over control
T 1 -control	38.85	2.2	7.35	11.55	553.75	5.5	
T 2- 2% Urea spray	40.25	2.4	7.95	15.35	586.25	5.75	5.5
T 3-2% DAP spray	40.2	2.35	7.45	14.2	570	5.7	2.8
T 4- 1% KNO ₃ spray	40.45	2.4	8.2	16	595	5.85	6.9
T 5- 5 % Panchagavya spray	42.85	2.7	8.8	18.45	755	6.0	26.6
T 6- 3% Aparamrutham spray	41.5	2.55	8.4	17.25	617.5	6.0	10.3
SEm	1.66	0.25	0.644	0.28	30.8	0.150	
CD	NS	NS	NS	0.83	93.05	NS	
CV	8.2	16.8	16.4	3.6	10.1	5.2	

A. Subbarao Namis Auddy
 5/5/07
 Scientist (Agro)