

## EFFICACY OF “BIO-FIGHT” AGAINST FRUIT ROT (KOLEROGA) OF ARECANUT

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3. Season /Period : *Kharif*2011-2012
4. Details of Experiment :

a) Treatment-2

Treatment No.	Treatments	Dosage per Liter
T1	Bordeaux Mixture	1 per cent
T2	Bio-Fight	5ml/lit + Wet Magic 1 ml

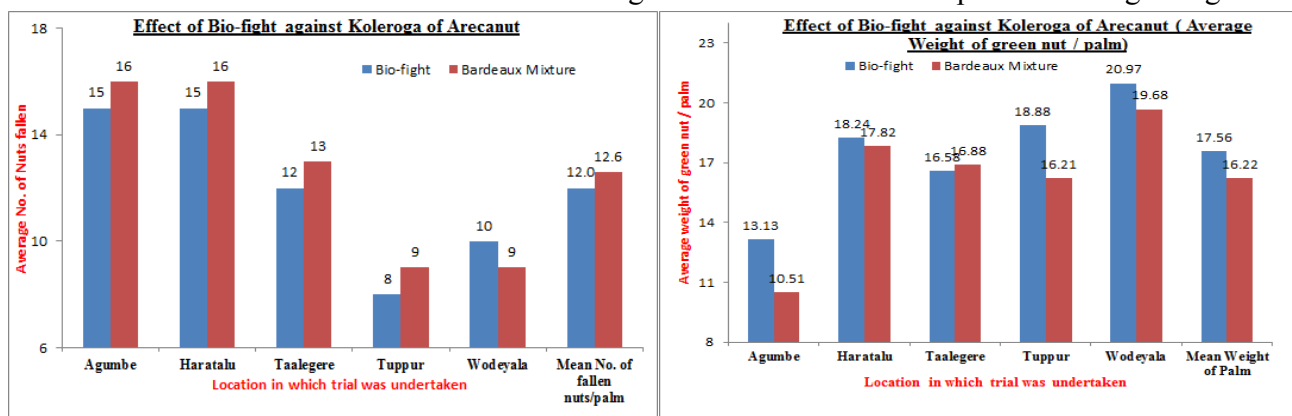
b) Location-8

Sl. No.	Name & Address	No. of Trees
1	Sri.Dayananda Wodeyala, Koppa (T), Chikmangalur (D)	200
2	Sri.Girish, Agumbe, Hosanagar (T), Shimoga (D)	200
3	Sri. Ramachandrappa, Haratalu, Hosanagar (T), Shimoga (D)	200
4	Sri. Manjunath, Taalegere, Anandapura, Sagar (T), Shimoga (D)	200
5	Sri. Ganesh, Tuppur, Chordi Post, Shimoga (T)	200

5. No of Sprays : Two ( First – Before onset on Monsoon , Second – After 60 days)
6. Compatibility : Bio-fight was found to be compatible with wet magic
7. Laboratory evaluation : *In-vitro* evaluation by adopting food poisoning technique

Sl. No.	Treatment	Concentration	Mean Radial growth of the fungus (mm)	% Inhibition
1	Bordeaux Mixture	1%	0.00	100
2	Bio-fight	0.5%	0.00	100
3	Control	-	55.00	0.00

8. Field evaluation : Based on Average number of fallen nuts / palm and weight of green nuts



9. Conclusion : The trial was done in Five Locations, the yield data was recorded. It is observed that Bio-fight has showed an increase of 8.18% higher green nut yield compare to Bordeaux mixture. Actual green nut weight per acre was at 9652 Kg and 8922 Kg /acre with Bio-fight & Bordeaux mixture respectively.