

# BIOSTADT INDIA LIMITED

## WOKOZIM TRIALS IN INDIA & ABROAD

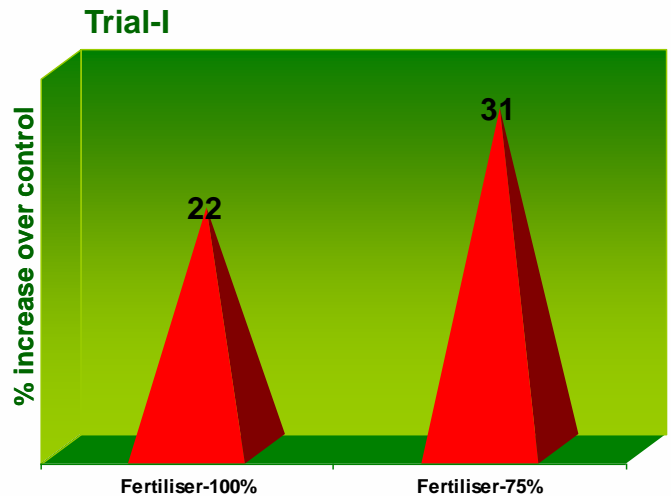


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## Key Results

Yield of Cauliflower heads (kg/ha)

	Fertiliser rate	
	100%	75%
<b>Trial-I</b>		
Treated	10802	11454
Control	8872	8763
<b>Trial-II</b>		
Treated	6266	5943
Control	4946	3670



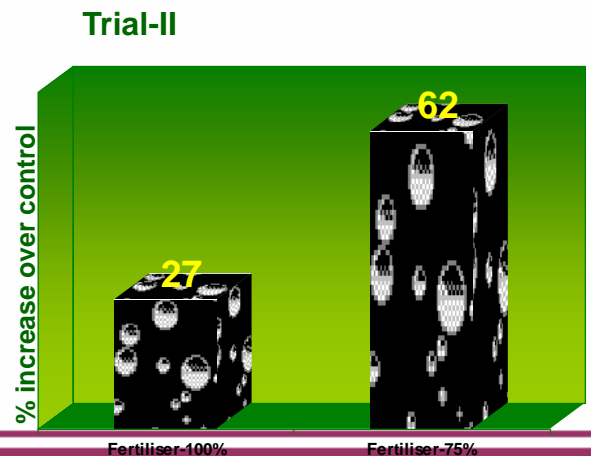
## PROTOCOL

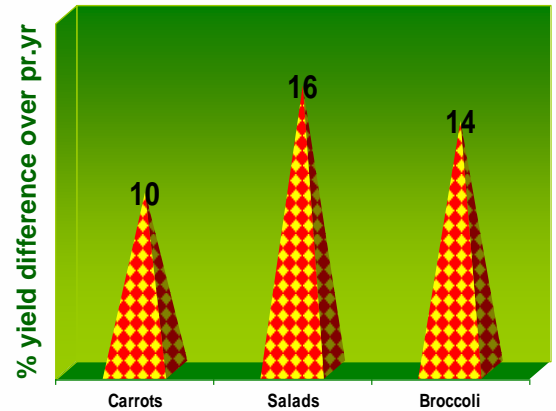
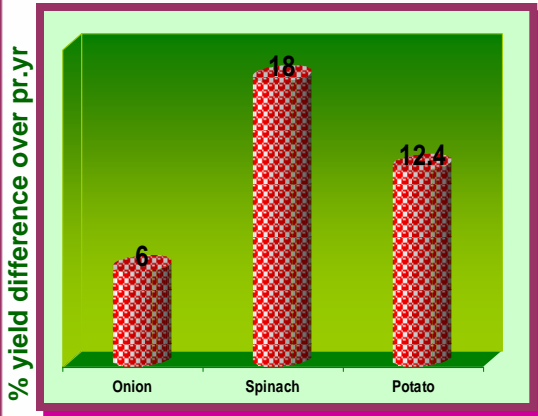
Crop : Cauliflower  
 Location : Sta. Catalina, Illocos sur, Philippines  
 Product : WOKOZIM  
 Applications : Two - @ 450 ml / ha.



## Conclusion

Generally in Sta. Catalina fields grown to veg. after the first crop of rice are heavily fertilised with commercial fertilisers & farm manures. The significant response to Wokozim application even at a lower level (75%) of the rec. fert. dose would give an advantage in terms of economy of the fert. use and a decrease of pollution to the environment which could likely result from intensive use of chemical fertilisers.





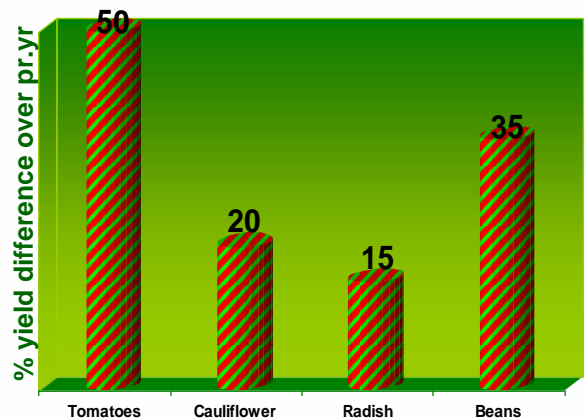
## PROTOCOL

Crop : Vegetables  
 Institute : Unterlunkhofen/AG, Durchgefurt, Jahr  
 Product : WOKOZIM  
 Applications : @ 450 ml / ha - two times.



## Researchers' Conclusion

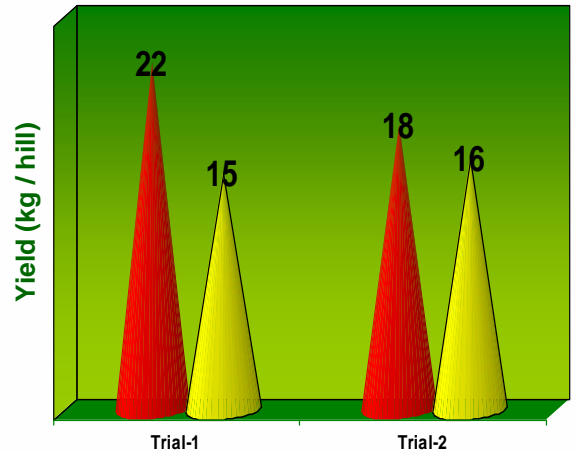
An unexpected development was that in all the vegetable blocks, not even one plant was affected by pest, as against this the unsprayed vegetable plants were rendered useless due to pest attacks.



## Key Results

Average Yield of Grape Berries (kg/hill).

	Treated	Control
Trial-1	22	15
Trial-2	18	16



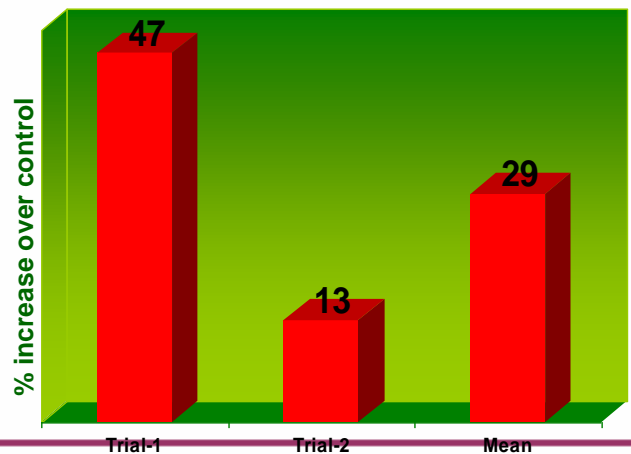
## PROTOCOL

- Crop : Grapes  
 Location : Sta.Catalina, Illocos sur, Philippines  
 Product : WOKOZIM  
 Applications : Two - @ 450 ml / ha.



## Conclusion

Wokozim treated vines gave significantly better yield of berries. Regardless of the rate of fertiliser used, the application of Wokozim significantly increased the yield of Grapes to 20 kg / hill as compared to 15.5 kg / hill in the non treated hills.

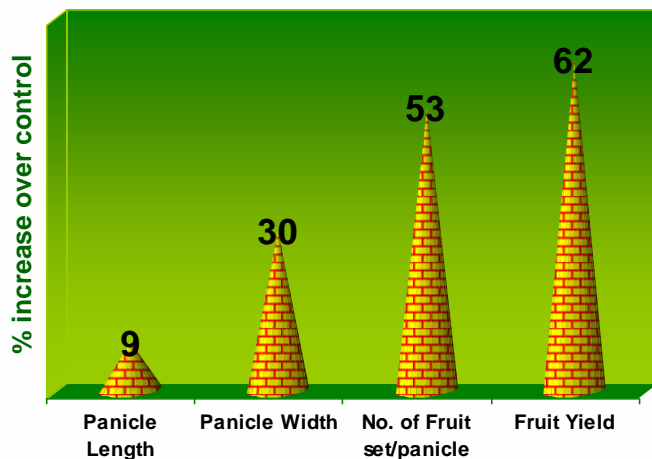


# Effect of WOKOZIM\* on Mango

## Key Results

	RDIF	RDIF+W	Control
Panicle Length(cm)	34.0	34.1	31.3
Panicle Width(cm)	14.6	15.3	11.8
No.of fruit set/panicle	2.3	2.6	1.7
Fruit Yield (kg/tree)	211.3	230.8	142.5

RDIF - Recommended Dose of Inorganic Fert.  
RDIF+W - RDIF + Wokozim



## PROTOCOL

Crop : Mango

Location : Balazon area, Dasol, Pangasinan, Philippines.

Product : WOKOZIM @ 20ml / 16 Ltr of water.

Applications : Three :

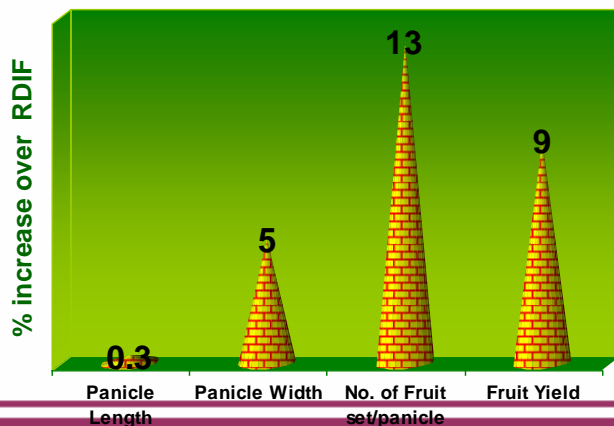
- 1) at bud breaking (13 DAI)
- 2) at fruit set (42 DAI)
- 3) 30 days before harvest (87 DAI)

\*DAI- Days after induction.



## Researchers' Conclusion

To increase production mango growers should fertilise their trees with soil applied inorganic fertiliser at the recommended rate and supplemented by foliar spraying of Wokozim at bud break stage. Follow up spraying of Wokozim with the same rate at 42 days after induction and 30 days before harvest.

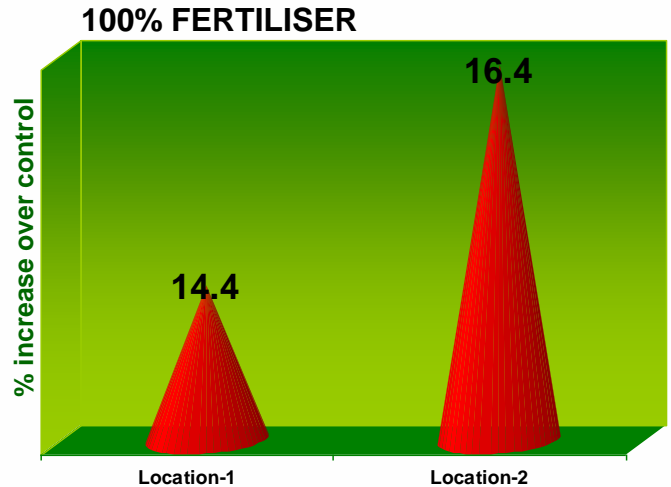


# Effect of WOKOZIM\* on Rice

## Key Results

Average Grain Yield of Rice (q/ha).

100% Fertilizer	Treated	Control
Location-1	59.6	52.1
Location-2	59.0	50.7
75% Fertilizer		
Location-1	54.8	46.6
Location-2	67.7	51.0



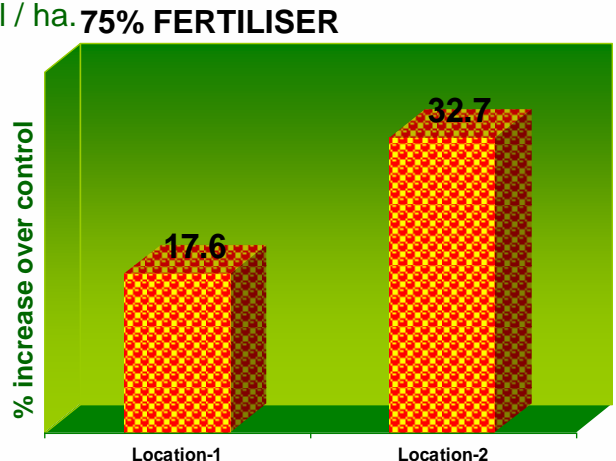
## PROTOCOL

- Crop : Rice
- Location-1 : San Ildefonso, Bulacan, Philippines
- Location-2 : Katipunan, Zamboanga del norte, Philippines
- Product : WOKOZIM
- Applications : Two - @ 450 ml / ha.



## Conclusion

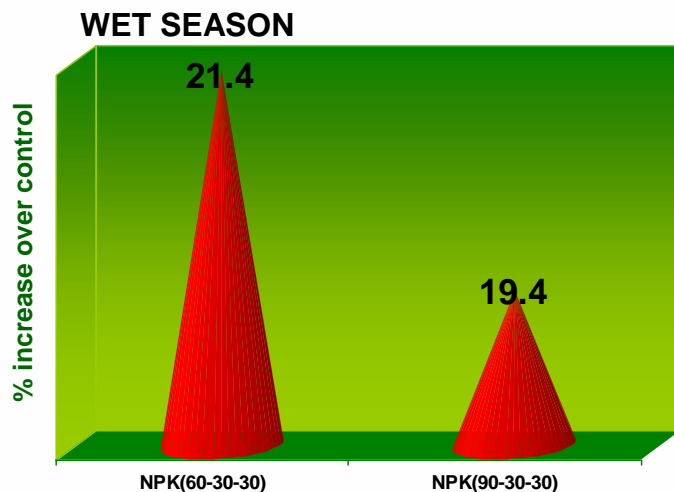
During the wet season cropping, rice yield was significantly improved when applied with Wokozim at 450 ml / ha two times.



## Key Results

Average Grain Yield of Rice (q/ha).

Wet Season	Treated	Control
NPK(60-30-30)	34.0	28.0
NPK(90-30-30)	37.0	31.0
Dry Season		
NPK(90-30-30)	50.0	46.0
NPK(120-30-30)	52.0	46.0



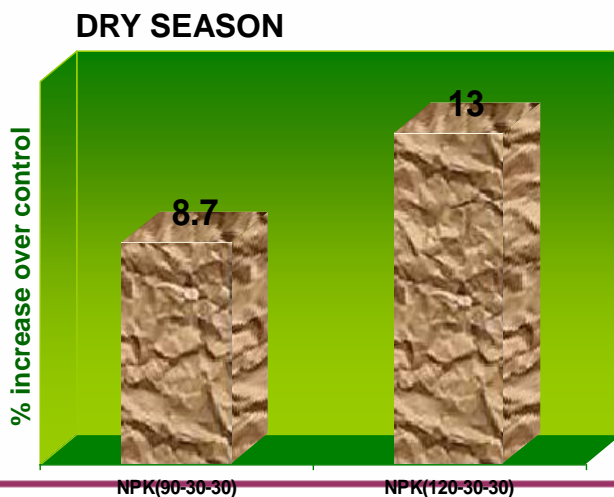
## PROTOCOL

- Crop : Rice
- Location : Maligaya, Nueva Eeija, Philippines
- Product : WOKOZIM
- Applications : Two - @ 450 ml / ha.



## Researchers' Conclusion

Wokozim increased yield 19-21% during wet season and 8-13% during dry season. We attributed this increase to more tillers, higher percentage of filled grains and heavier grains.



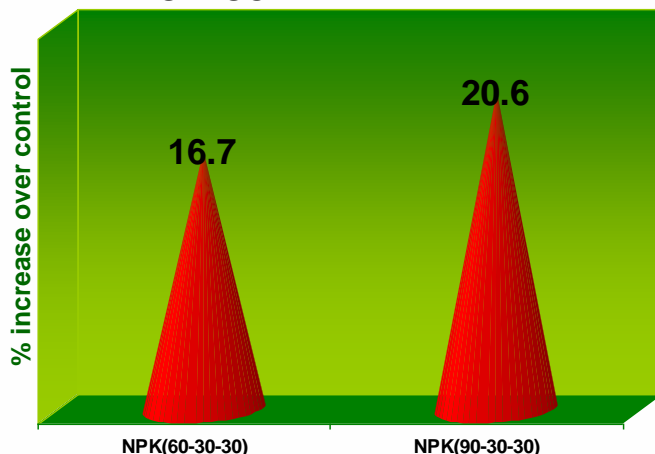
# Effect of WOKOZIM\* on Rice

## Key Results

Average Grain Yield of Rice (q/ha).

Wet Season	Treated	Control
NPK(60-30-30)	42.0	36.0
NPK(90-30-30)	41.0	34.0
Dry Season		
NPK(90-30-30)	32.0	28.0
NPK(120-30-30)	29.0	26.0

### WET SEASON



## PROTOCOL

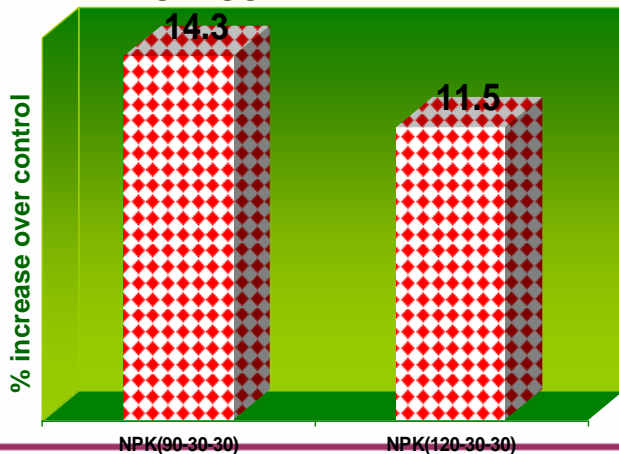
Crop : Rice  
 Location : Midsayap, Cotabato, Philippines  
 Product : WOKOZIM  
 Applications : Two - @ 450 ml / ha.



## Researchers' Conclusion

Wokozim increased yield 16-21% during wet season and 11-14% during dry season. We attributed this increase to more tillers, higher percentage of filled grains and heavier grains.

### DRY SEASON

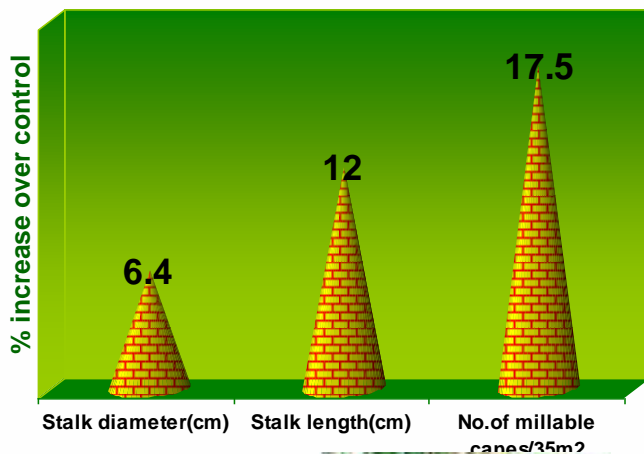




# Effect of WOKOZIM\* on Sugarcane

## Key Results

	Treated	Control
Stalk diameter (cm)	2.83	2.66
Stalk length (cm)	271	242
No.of millable canes/35m <sup>2</sup>	249	212
Sucrose content	1.67	1.61
Cane Yield (t/ha)	63.2	51.3
Sugar Yield	105.3	82.4



## PROTOCOL

- Crop : Sugarcane
- Variety : Phil 8013, 8361 & 8093
- Institute : Sugar Regulatory Administration, R&D, Negros Panay Area, La Carlota City, Negros Occidental, Philippines.
- Product : WOKOZIM
- Applications : 1 ml WOKOZIM / ltr water @ 60 & 90 days after planting.



## Researchers' Conclusion

Wokozim concentration at 1:1000 averaged over 3 sugarcane varieties significantly produced larger stalk diameter, longer stalk length & more number of millable canes as compared to control. These were reflected in cane yield (t/ha) where in the tonnage was increased by 23.3% and sugar yield by 27.7%.

