

# PSB FIELD ASSAYS

## SORGHUM

1	Trial No.	23	Ref no: IPL/KHA/SH/PPX/54		
2	Product	PS Bacteria 2 % A.S.			
3	Crop Name	Sorghum			
		Control	Product		
		R 1	Dose 1	Dose 2	Dose 3
	Product	NA	PS Bacteria	PS Bacteria	PS Bacteria
	Dose	NA	0.5 L/ Acre	1.0 L/ Acre	1.5 L/ Acre
	Date of application	NA	09-06-2013	09-06-2013	09-06-2013
	Method of application	NA	Soil Application	Soil Application	Soil Application
Before Application					
	Average Leaf Length (feet )	2.1	2.2	2.1	2.1
	Average Plant Height (feet)	2.9	2.8	2.7	2.8
Post Treatment Observation –1 ( 30 Days)					
	Average Leaf Length (feet)	3.2	3.5	3.6	3.6
	Average Plant Height (feet)	4.1	4.5	4.9	4.96
Post Treatment Observation –2 ( 60 Days)					
	Average Leaf Length (feet)	4.1	4.4	4.7	4.8
	Average Plant Height (feet)	5.9	6.4	6.7	6.8
Post Treatment Observation –Final ( 90 Days)					
	Average Leaf Length (feet)	5.0	5.5	5.7	5.9
	Average Plant Height (feet)	8.8	9.1	9.5	9.6

Note: Equal amount of Urea & DAP has been applied to all plots.

# SUGARCANE

1	Trial No.	44	Ref no: IPL/KHA/SC/PPX/171
2	Product	PS Bacteria 2 % A.S.	
3	Crop Name	Sugarcane	

	Control	Product		
	R 1	Dose 1	Dose 2	Dose 3
Product	NA	PS Bacteria	PS Bacteria	PS Bacteria
Dose	NA	0.5 L/ Acre	1.0 L/ Acre	1.5 L/ Acre
Date of application	NA	06-05-2014	06-04-2014	06-04-2014
Method of application	NA	Foliar Spray	Foliar Spray	Foliar Spray
Before Application				
Average Leaf Length (feet)	2.3	2.2	2.4	2.3
Average Plant Height (feet)	1.4	1.5	1.6	1.6
Post Treatment Observation –1 ( 30 Days)				
Average Leaf Length (feet)	3.1	3.5	3.7	3.6
Average Plant Height (feet)	1.8	2.3	2.5	2.6
Post Treatment Observation –2 ( 60 Days)				
Average Leaf Length (feet)	3.8	3.9	4.0	4.2
Average Plant Height (feet)	3.0	3.3	3.5	3.6
Post Treatment Observation –Final ( 120 Days)				
Average Leaf Length (feet)	3.9	4.2	4.5	4.5
Average Plant Height (feet)	4.8	5.4	5.7	5.6

Note: Equal amount of Urea & DAP has been applied to all plots.

## WHEAT

1	Trial No.	61	Ref no: IPL/KHA/WH/PPX/87
2	Product	PS Bacteria 2 % A.S.	
3	Crop Name	Wheat	

	Control	Product		
	R 1	Dose 1	Dose 2	Dose 3
Product	NA	PS Bacteria	PS Bacteria	PS Bacteria
Dose	NA	0.5 L/ Acre	1.0 L/ Acre	1.5 L/ Acre
Date of application	NA	19-11-2014	19-11-2014	19-11-2014
Method of application	NA	Soil Application	Soil Application	Soil Application
Before Application				
Average Leaf Length (cm)	NA	NA	NA	Na
Average Plant Height (cm)	Na	NA	NA	NA
Post Treatment Observation –1 ( 15 Days)				
Average Leaf Length (cm)	2.2	2.3	2.5	2.6
Average Plant Height (cm)	3.5	3.7	3.9	3.9
Post Treatment Observation –2 ( 45 Days)				
Average Leaf Length (cm)	16	18	20	20
Average Plant Height (cm)	26	28	30	31

Note: Equal amount of Urea & DAP has been applied to all plots.

# TOMATO

1	Trial No.	86	Ref no: IPL/KHA/TM/PPX/166
2	Product	PS Bacteria	2 % A.S.
3	Crop Name	Tomato	

	Control		Product		
	R 1	R 2	Dose 1	Dose 2	Dose 3
Product	NA	NA	PS Bacteria	PS Bacteria	PS Bacteria
Dose	NA	NA	0.5 kg / Acre	1.0 kg/ Acre	1.5 kg / Acre
Date of application	NA	NA	05-7-2014	05-7-2014	05-7-2014
Method of application	NA	NA	Soil Application	Soil Application	Soil Application
Before Application					
Leaf colour	Light Green	Light Green	Green	Dark Green	Dark Green
Fruit health	Poor	Poor	Normal	Good	Good
Average Fruit Weight ( gm)	56	59	63	64	62
Post Treatment Observation –1 ( 30 Days)					
Leaf colour	Light Green	Light Green	Green	Dark Green	Dark Green
Fruit health	Poor	Poor	Normal	Good	Good
Average Fruit Weight ( gm)	63	62	76	82	83
Post Treatment Observation –2 ( 50 Days)					
Leaf colour	Light Green	Light Green	Green	Dark Green	Dark Green
Fruit health	Poor	Poor	Normal	Good	Good
Average Fruit Weight ( gm)	64	63	80	84	85
Post Treatment Observation –Final ( 70 Days)					
Leaf colour	Light Green	Light Green	Green	Dark Green	Dark Green
Fruit health	Poor	Poor	Normal	Good	Good
Average Fruit Weight ( gm)	63	62	78	84	83

Note: Uniform amount of Urea & DAP has been applied to all plants.

Remark: Treated plants are visible much better than the control plot. Fruits of treated plants have health seeds then control.

# PEAR

1	Trial No.	65	Ref no: IPL/KHA/PG/PPX/134
2	Product	PS Bacteria 2 % A.S.	
3	Crop Name	Pear	

	Control		Product		
	R 1	R 2	Dose 1	Dose 2	Dose 3
Product	NA	NA	PS Bacteria	PS Bacteria	PS Bacteria
Dose	NA	NA	0.5 L/ Acre	1.0 L/ Acre	1.5 L/ Acre
Date of application	NA	NA	12-11-2013	12-11-2013	12-11-2013
Method of application	NA	NA	Soil Application	Soil Application	Soil Application
Before Application					
Leaf colour	Light Green	Light Green	Green	Dark Green	Dark Green
Fruit health	Poor	Poor	Normal	Good	Good
Average Fruit Weight ( gm)	79	79	80	79	81
Post Treatment Observation -1 ( 30 Days)					
Leaf colour	Light Green	Light Green	Green	Dark Green	Dark Green
Fruit health	Poor	Poor	Normal	Good	Good
Average Fruit Weight ( gm)	80	79	85	89	90
Post Treatment Observation -2 ( 60 Days)					
Leaf colour	Light Green	Light Green	Green	Dark Green	Dark Green
Fruit health	Poor	Poor	Normal	Good	Good

Average Fruit Weight ( gm)	81	80	86	92	92
Post Treatment Observation -Final ( 90 Days)					
Leaf colour	Light Green	Light Green	Green	Dark Green	Dark Green
Fruit health	Poor	Poor	Normal	Good	Good
Average Fruit Weight ( gm)	81	82	87	91	92

Note: Uniform amount of Urea & DAP has been applied to all plots.

Remark: Plants treated with PS Bacteria are better than the control plants. Plants treated with PSB also looks much healthier.

# GUAVA

1	Trial No.	55	Ref no: IPL/RV/GV/PPX/162
2	Product	PS Bacteria 2 % A.S.	
3	Crop Name	Guava	

	Control	Product		
	R 1	Dose 1	Dose 2	Dose 3
Product	NA	PS Bacteria	PS Bacteria	PS Bacteria
Dose	NA	0.5 Lt. / Acre	1.0 Lt./ Acre	1.5 Lt. / Acre
Date of application	NA	20-11-2013	20-11-2013	20-11-2013
Method of application	NA	Soil Application	Soil Application	Soil Application
Before Application				
Leaf colour	Light Green	Green	Dark Green	Dark Green
Fruit health	Poor	Normal	Good	Good
Average Fruit Weight ( gm)	123	124	131	130
Post Treatment Observation –1 ( 30 Days)				
Leaf colour	Light Green	Green	Dark Green	Dark Green
Fruit health	Poor	Normal	Good	Good
Average Fruit Weight ( gm)	125	140	179	182
Post Treatment Observation –2 ( 50 Days)				
Leaf colour	Light Green	Green	Dark Green	Dark Green
Fruit health	Poor	Normal	Good	Good
Average Fruit Weight ( gm)	129	147	182	186

Post Treatment Observation –Final ( 70 Days)				
Leaf colour	Light Green	Green	Dark Green	Dark Green
Fruit health	Poor	Normal	Good	Good
Average Fruit Weight ( gm)	128	145	183	188

Note: Uniform amount of Urea & DAP has been applied to all plants.

Remark: Treated plants are visible much better than the control plot. Fruits of treated plants have health seeds than control.