



**Seed Potato Trial  
Punjab 3  
Package Treatment  
India 2016**

# Trial Setup



- **Crop & Variety:** Potato var. Kufri Lavkar
- **Farmer Name:** Mr. Bakshi Singh
- **Place:** Kang Cold Store, Passon, Bellasingh, Jalandhar, Punjab, India
- **Planting Distance:** 2 ft X 0.5 ft.
- **No. Treated of Rows:** 20 rows
- **Area of treatment:** 20 R
- **Soil:** Sandy loam soil
- **Date of sowing:** 10/102016.
- **Assessment:** 11/01/2017
- **Area of assessment:** 1 sq. m. (multiple)
- **Program**
  - Control (Regular Practice)
  - Tradecorp Seed Potato Crop Nutrition Schedule

# Trial Design

## Package Treatment:

- Phylgreen200
- Humistar
- Intake
- Trafos Cu
- Tradebor
- Amifol K

## Control:

- Standard Farmer Program

Sr. No.	Treatment Days	Product	Rate (ha)	Foliar Rate (ml /L water)	Foliar / Soil	Purpose
1	On DOS	<b>Phylgreen200</b>	0.625 L	50	Foliar	Seed Treatment
2	On DOS	<b>Humistar Intake</b>	2.5L 0.625L	NA	Soil	White root development & branching
3	25 DAS	<b>Trafos Cu Phylgreen200</b>	1.25L 1L	2.5 2	Foliar	Even establishments and abiotic stress reduction
4	35 DAS	<b>Trafos Cu Tradebor</b>	1.25L 1L	2.5 2	Foliar	Strong stem & increase tuber formation
5	45 DAS	<b>Amifol K</b>	1.25L	2.5	Foliar	Increase tuber size and yield

DOS – Day of sowing, DAS- Days after sowing

# Trial Setup: Seed Treatment with Phylgreen



## Potato Seed Treatment:

- A solution of Phylgreen 200 @ 625 ml /ha, in 12.5L of water in knack sap sprayer was applied
- Spray the solution on potato seeds uniformly on upper side
- Then turn the potato seeds with hand to expose the untreated portion
- 2<sup>nd</sup> round of spray, so that both side of seeds get covered with Phylgreen 200
- Allow it to dry for few hrs. in dry place & sow the seeds after complete drying.



# Preliminary Result: Soil Application of Humistar & Intake as Soil spray



## Application

- In a 15 L knapsack sprayer the desired qty. of Humistar @ 2.5 L /ha + Intake @ 625 ml /ha was mixed applied on dry soil as potato was already planted
- After 5 days a flood irrigation through the furrows was made, where we have applied humistar & intake.

## Observations taken after 33 DAS:

- ✓ Increased root length, biomass and branching
- ✓ Increased stem thickness
- ✓ More no. of tuber setting, with uniform size

# Preliminary Result: Trafos Cu, Phylgreen & Tradebor Application



**Control      Tradecorp**

## Application:

- 25 DAS foliar application of Trafos Cu & Phylgreen 200
- **Aim:** increase plant strength, vigour, induce tuberisation & increase tolerance to abiotic stress
- 35 DAS foliar application of Trafos Cu & Tradebor
- **Aim:** increasing tuber setting & development

## Observations taken after 45 DAS:

- ✓ Strong & vigorous Plants
- ✓ More & uniform size of tubers setting 5 v/s 4



# Preliminary Result: Amifol K



## Application:

- Foliar application of Amifol K on 45 DAS
- Aim: increase the tuber size

## Observations taken after 64 DAS:

- ✓ Increase in marketable tubers
- ✓ More even size
- ✓ Greater Yield

# Result: Size Grading



**Control**

Marketable  
47

Small Size  
17

Marketable  
63

Small Size  
14

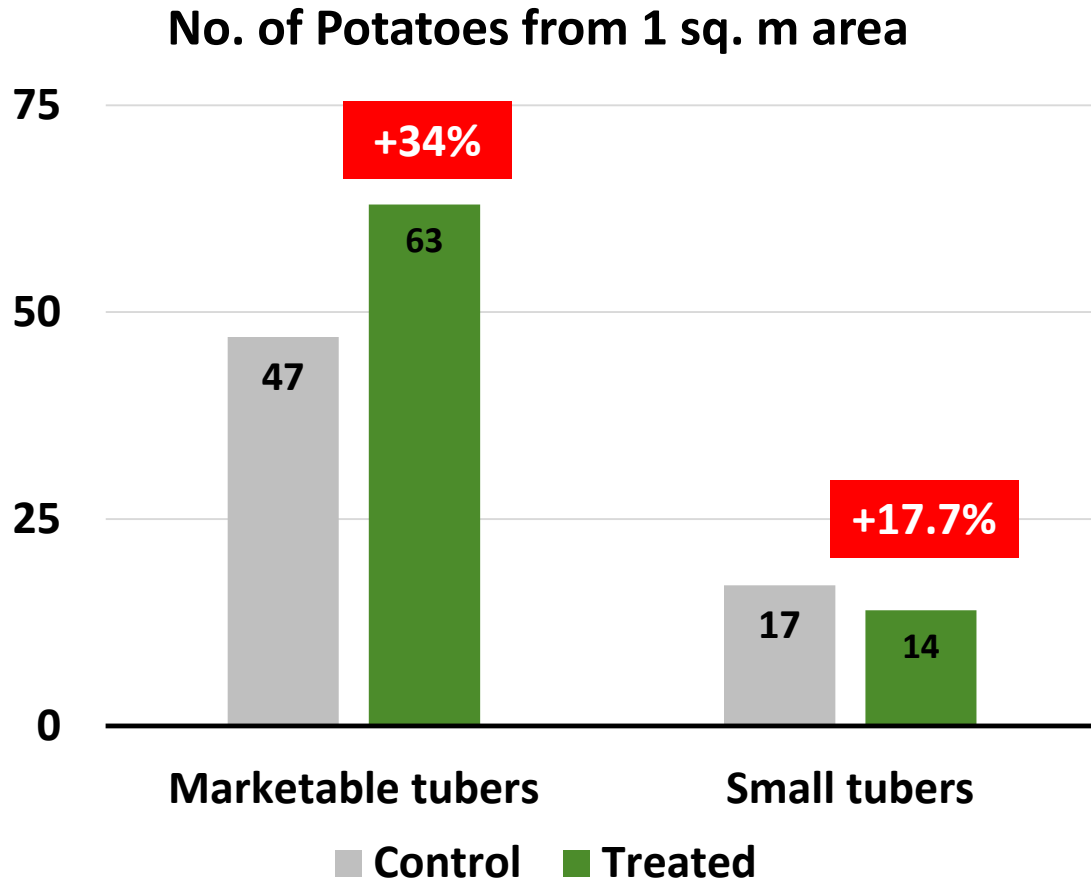


**Tradecorp**

Potato taken out from 1 sq. m. area



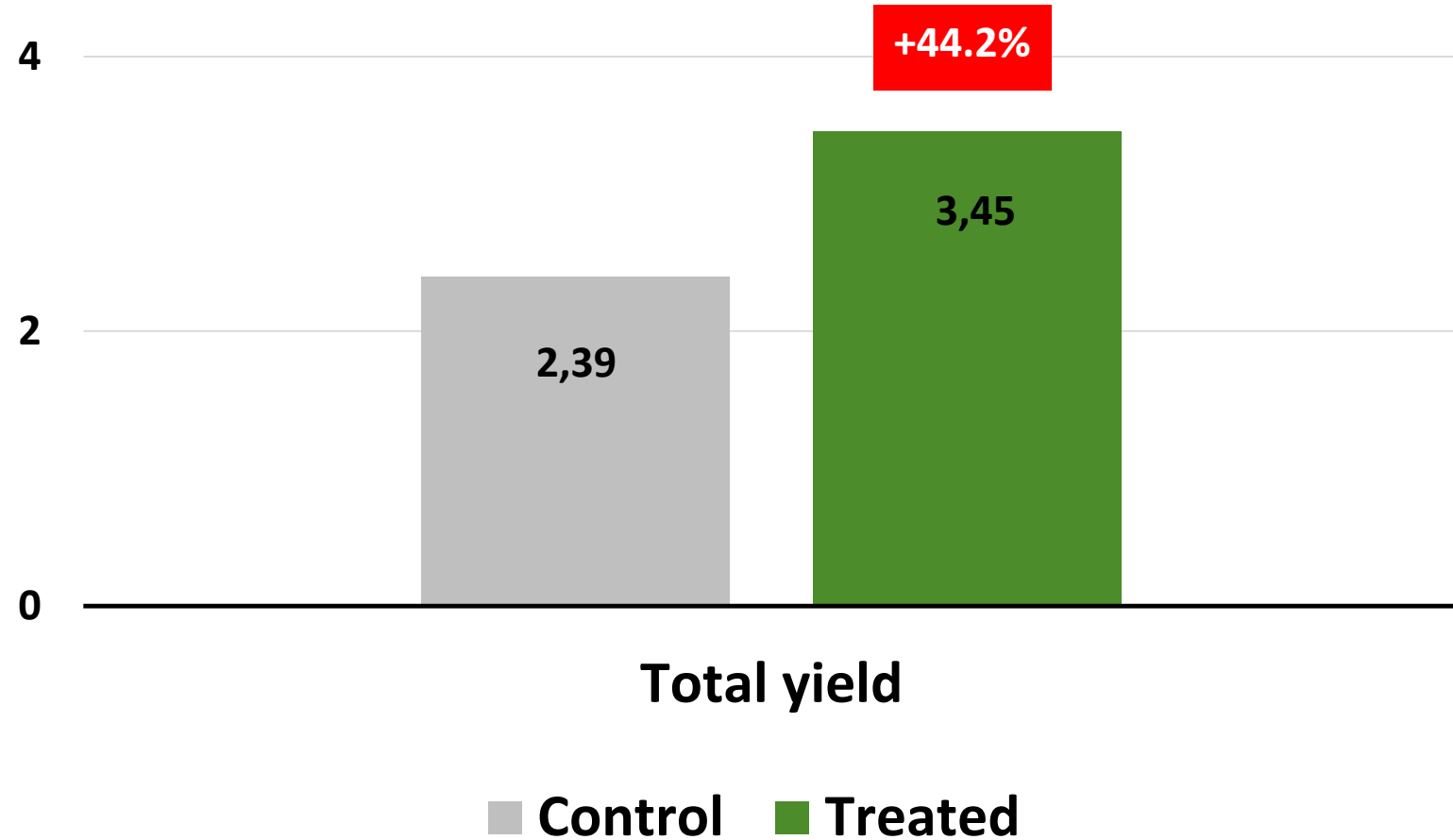
# Result: Size Grading



- Marketable tubers: **+34%**
- Small Tubers: **-17.7%**
- Total Tubers: **+20%**

# Result: Yield

Total yield in Kg of Potatoes from 1 sq. m area



# Conclusions

## Tradecorp Seed Potato Package

- ✓ Increased in **Marketable Yield +34%**
- ✓ Reduction in **Small Size Tubers -17.7%**
- ✓ Increase in **Total Yield by 44.21%**
- ✓ **Extra Yield 10580 Kg /ha**, Mkt price @ Rs. 5 /Kg
- ✓ Total extra income = 10580 Kg X Rs 5 = Rs. 52900 /ha
- ✓ Treatment Cost Rs. 8650 /ha
- ✓ **ROI to the Grower = 1:5.11**





# Conclusions



## Tradecorp Seed Potato Package:

- Phylgreen200
- Humistar
- Intake
- Trafos Cu
- Tradebor
- Amifol K

Using the Tradecorp Seed Potato Package  
for every

Rs1

invested by the farmer he recovered his cost and made  
Rs 5.11 profit

