



**Apple Tradecorp Package  
Trial 4  
India 2017**

# Trial Setup



- **Crop & Variety :** **Apple** var. Royal Delicious
- **Farmer name:** Mr. Sanjeev Chauhan
- **Place:** Kadaili, Kotkhai, Himachal Pradesh, India
- **No. of plants treated:** 20 (250 plants /ha)
- **Crop schedule:** Humistar, Intake, Phylgreen200, Trafos Cu, Tradebor, Calitech, Amifol K, Maxflow Mg
- **Aim:** To enhance quality & increase yield of Apples
- **Assesment:** Fruit Size, Weight, Sugar & colour.
- **Notes:** 2300 m altitude, Rain fed

# Stage-wise schedule program

## Treatment Package

- ✓ Humistar + Intake
- ✓ Phylgreen200
- ✓ Trafos Cu
- ✓ Tradebor
- ✓ Calitech
- ✓ Amifol K
- ✓ Maxflow Mg

Sr. No.	Crop Stage	Product	Dose ml or g /L	Water Volume Lit.	Method of application
1	Dormancy	Humistar + Inatke	2 ml + 0.25 ml	400	Soil Drenching
2	Tight Cluster	Trafos Cu + Tradebor + Phylgreen	2.5 ml + 0.5 ml + 1 ml	200	Foliar application
3	Pink Bud	phylgreen + Tradebor + Calitech	1 ml + 0.5 ml + 1 ml	200	Foliar application
4	Petal Fall	phylgreen + Tradebor + Calitech	1 ml + 0.5 ml + 1 ml	200	Foliar application
5	Walnut	Humistar + Inatke	2 ml + 0.25 ml	400	Soil Drenching
6	Walnut	Amifol K + Maxflow Mg	2.5 ml + 0.5 ml	200	Foliar application
7	Fruit development	Amifol K + Maxflow Mg	2.5 ml + 0.5 ml	200	Foliar application
8	20 Days before maturity	Amifol K	2.5 ml	200	Foliar application

## Control :

- ✓ Standard farmer practice

- Dose of water applied per ha:
  - Soil Drenching: 2000 L /ha
  - Foliar 2, 3, 4: 2500 L /ha
  - Foliar 6, 7: 3000 L /ha

## Trial Set Up – Soil Application

- Humistar 400 ml + Intake 50 ml was mixed in 200 L tank (Humistar 4L + Intake 0.5L /ha)
- Then we made 1.5 – 2 ft hole in the peripheral area of the plant.
- Drench 20 L solution per plant, into the into the holes.



# Preliminary Result: Trafos Cu, Phylgreen200 & Tradebor Application



- **Bigger Leaf Size**
- Leaves achieved **Full Size** in treated plots **30 days earlier than Control.**
- More area for food production
- The leaves were Green & Thick
- More thick leaf, increase tolerance to abiotic stress such as heat, cold and drought

# Preliminary Result: Tradebor, Calitech & Phylgreen200 foliar application

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Foliar applications of  
Phylgreen, Tradebor & Calitech  
after fruit setting has given the  
perfect ***Elongated Shape*** to  
apples

# Preliminary Result: Amifol K & Maxflow Mg



**Control**



**Tradecorp**

- At walnut stage we have given the first application of **Amifol K & Maxflow Mg**.
- The **Treated** fruits has started **Colour Shading**, where as in control the is very less colouration.
- Also trace out the difference in fruit size

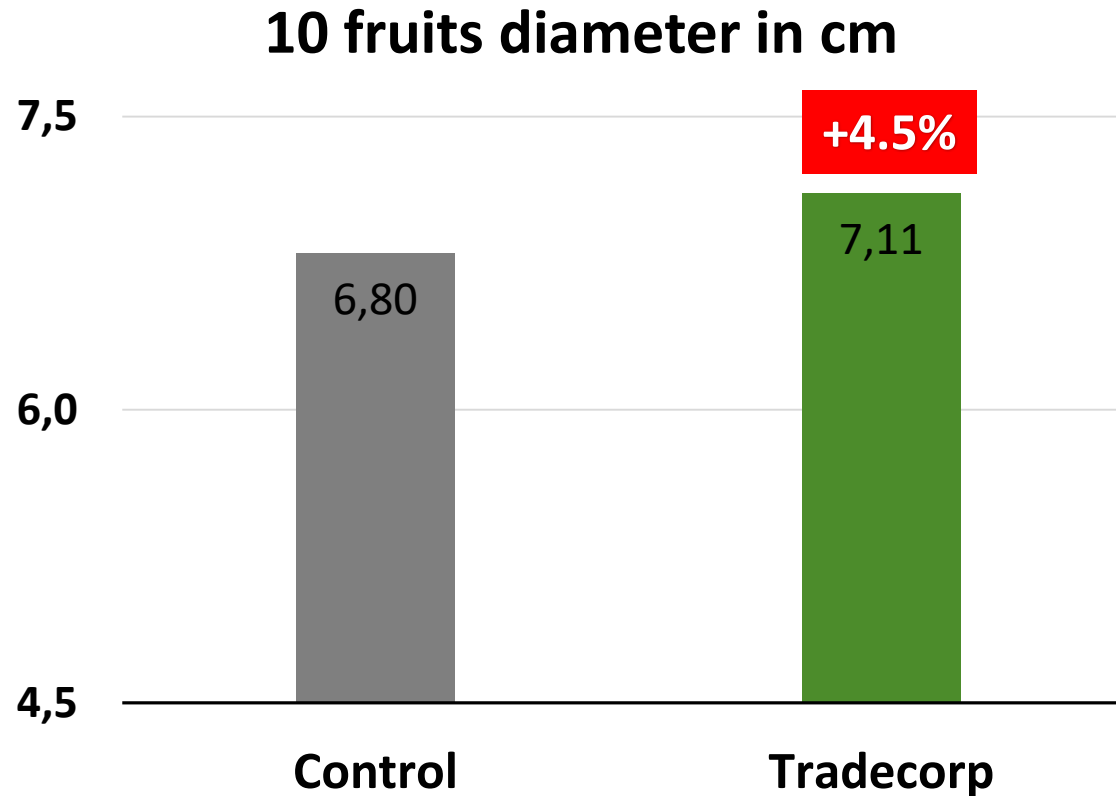


**Control**

**Tradecorp**

Treated **Leaves** with **Maxflow Mg** were **Greener & Bigger** in size than Control.

## Result: Increase in Fruit Diameter

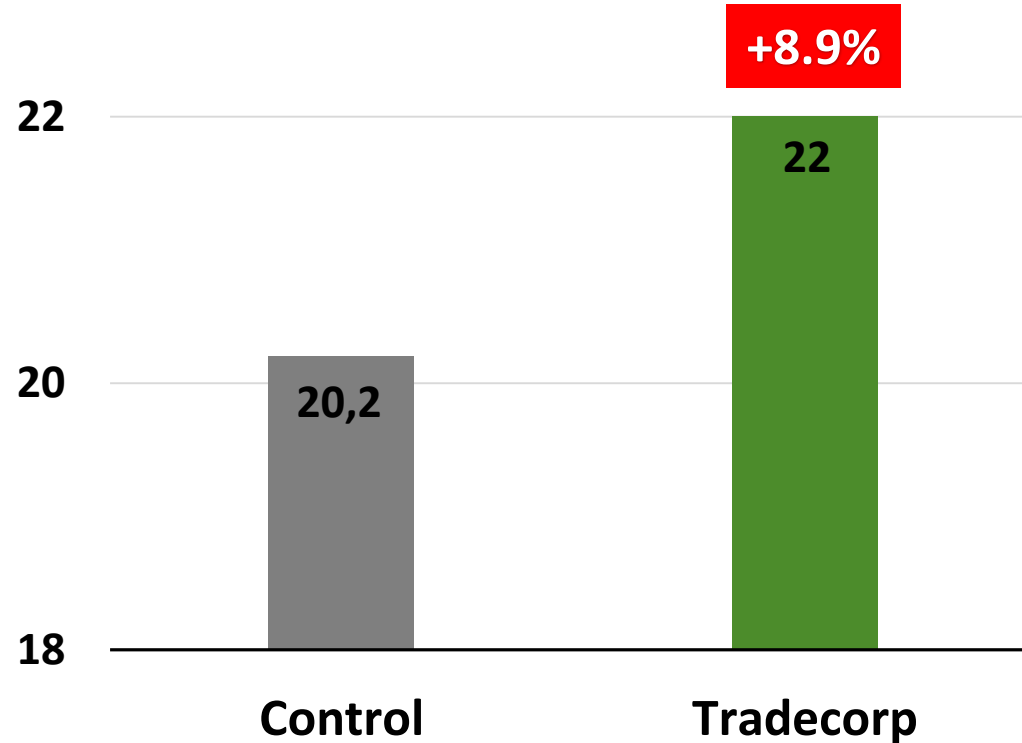


- With the 1<sup>st</sup> application of **Amifol K & Maxflow Mg**, the fruit size in diameter has increase by **+4.5 %** v/s Control
- More uniformity in fruit size



# Increase in Fruit Weight

## 100 Fruit weight in Kg



- With 3 application of **Amifol K + Maxflow Mg** at walnut, fruit development & 20 days before harvest and over all treatment has given increase in **Weight** by **+8.9%**

### Labour feedback:

Treated plots crates are more heavy than control

## Result: Fruit Colour



**Control**



**Tradecorp**

# Conclusion



## Tradecorp Full Program:

- Maxflow Mg increased **Leaf Size**, increased **Leaf Greenness**
- Better **Fruit Elongation** with application of Phylgreen200, Tradebor & Calitech.
- Increase in **Fruit Diameter +4.5%**, with first application of Amifol K + Maxflow Mg
- Increase in **Fruit Weight** by **+8.9%**
- Not much difference in sugar content, however **Better Fruit Coloration** has seen in Tradecorp treated plants.

