

# MOTHER'S DAY 2019

Plantation Update Report 2020



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# MOTHER'S DAY

Mother's Day is a celebration honoring the mother of the family, as well as motherhood, maternal bonds and the influence of mothers in society. In India, it is celebrated every year on the second Sunday of May.

**SankalpTaru Foundation** encourages people to celebrate Mother's Day by planting trees for their mothers. Unlike other gifts, a tree not only lasts for a lifetime but also gives life to many. **Just like our mothers nurture us, trees nurture the earth.** They create forests and forests are the foundation of life on earth. From rainwater, food, ecosystem to wood, medicines and shelter, forests are the life support system of billions of species. A tree is the most wholesome gift.

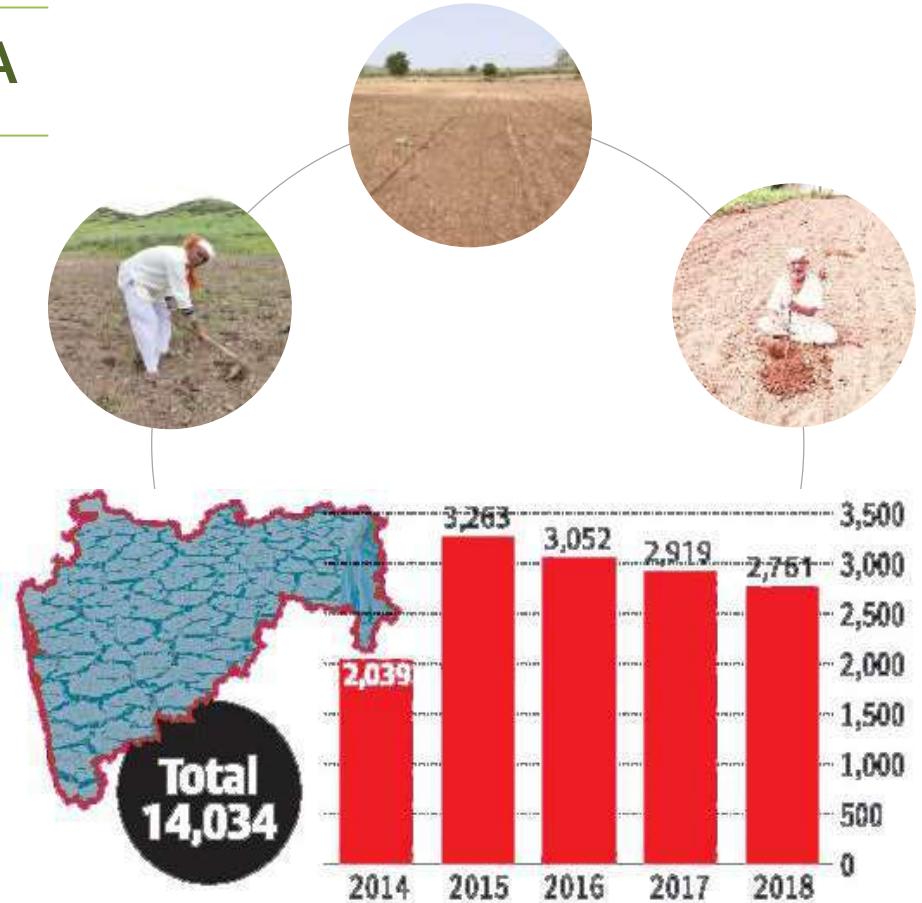


# PLANTATION IN MAHARASHTRA

## Why Maharashtra?

The state of Maharashtra is India's biggest state economy and agriculture is its main occupation. Most farmers practice horticultural techniques in addition to growing traditional crops like wheat and sugarcane. However, changing weather patterns and droughts have contributed to loss of income of the farmers, increasing the rate of farmer suicides in recent years.

To mitigate these risks, a mix of traditional crop farming with horticultural practice can be adopted in the affected areas. Your tree not only ensures food security for the nation and strengthens the livelihood of farmers, but also adds green spaces and positively impacts the natural world.



Cases of farmer suicides in Maharashtra between 2014 and 2018

Source : thebusinessline.com

# PLANTATION DETAILS

FARMER'S NAME	FARMER'S VILLAGE	NUMBER OF TREES PLANTED
Suman Babasaheb Tambe	Goregaon	142
Vilas Tatyba Kale	Sonori	5
Nanda Gyandeo Raut	Kazad	1

## SPECIES PLANTED



Mango



Guava



Custard Apple



The trees planted in Goregaon, Sonori and Kazad will help our farmer beneficiaries boost their incomes along with making the Earth greener.

The Foundation's vision of mixing and balancing agricultural practices like traditional cropping and horticultural farming is shielding farmers from risks around weather uncertainty and boosting their livelihoods.

The saplings of fruit trees will bear fruit which can be sold by the farmers for additional income. Each year, mango yields around **80 kilos** of fruit, guava around **90 kilos** and custard apple around **35 kilos**. It acts as a sustainable source of income for the rural communities.

# IMAGES FROM SITE

Latest images showing the growth of saplings planted in 2019



Latest images showing the growth of saplings planted by in 2019



# IMPACT CALCULATION



**95% survival rate**



**1069 tons** of oxygen produced

*(880 tons from mango,  
165 tons from guava,  
24 tons from custard apple)*



**557 tons** of carbon dioxide sequestered

*(459 tons from mango,  
86 tons from guava,  
12 tons from custard apple)*



**10,180 Kg** fruit produced per season

*(4000 Kg mango,  
4500 Kg guava,  
1680 Kg custard apple)*



**Cooling factor**

4.5 °C for mango  
2.9 °C for guava  
3.9 °C for custard apple



**5.8 feet** increase in groundwater depth



**₹ 2,08,320**

increase in farmers' income per season

*(₹ 60,000 through mango,  
₹ 1,08,000 through guava,  
₹ 40,320 through custard apple)*

- The above data is given for **148 trees** (50 mango, 50 guava and 48 custard apple)
- The above data is taken over a period of **20 years**
- Average cost given to the farmers is considered ₹ 15/kg for mango, ₹ 24/kg for guava and ₹ 24/kg for custard apple

The image features a white background with two branches of eucalyptus leaves framing the central text. The branches are positioned on the left and right sides, with leaves extending towards the center. The leaves are green and have a silvery underside.

# Thank You

for planting with us.

Your trees have encouraged farmers to keep farming despite the challenges.