

EARTH DAY 2019

Plantation Update Report
2020



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WHAT IS EARTH DAY?

Every year on **April 22**, Earth Day marks the anniversary of the birth of the modern environmental movement in 1970.

It is the largest secular observance in the world, observed by more than a **billion people** every year. Numerous communities celebrate **Earth Day Week**, an entire week of activities focused on the environmental issues that the world faces

Earth day calls for action to change **human behavior** and **create global, national and local policy changes** related to the environment.

SankalpTaru observes Earth Day by urging people to **plant more and more trees** to clean the air, tackle climate change, choose sustainability and reduce environment footprint.

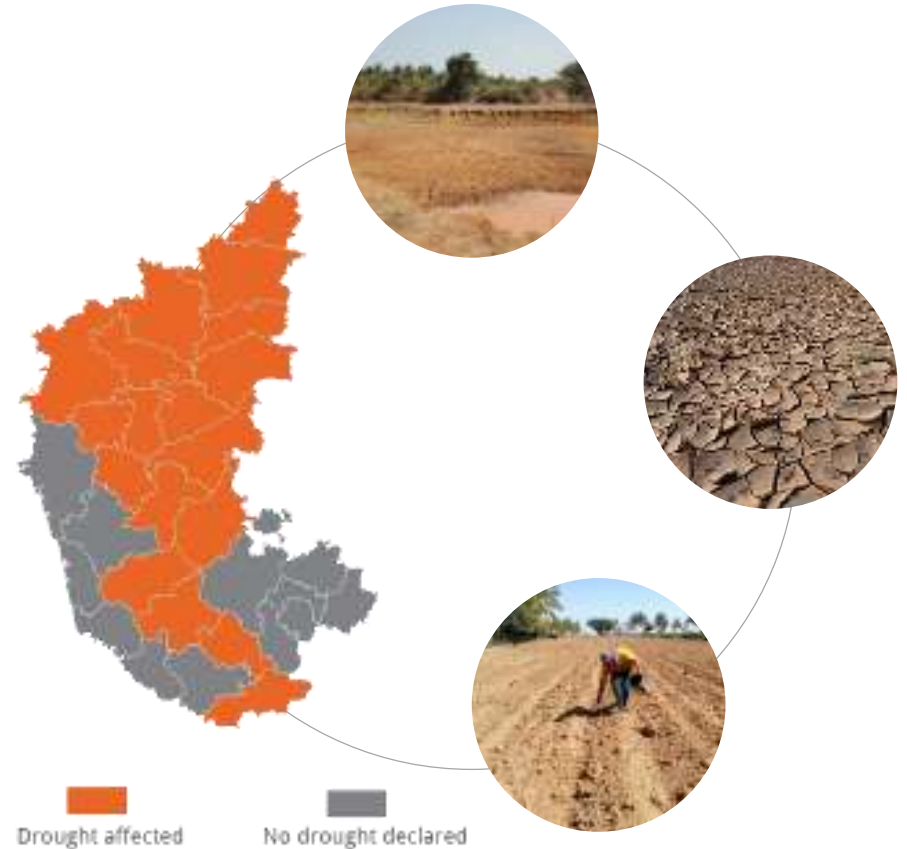


PLANTATION IN KARNATAKA

Why Karnataka?

Sparse rainfall, dry reservoirs and record low groundwater levels are contributing to crop failures, increasing rates of indebtedness and farmer suicides among the poor farmers of Karnataka. Many have migrated to cities in search of better livelihoods. The northern and central districts of Karnataka are the worst-affected with some places even running dry of drinking water. Planting trees is important to improve the groundwater level of the region.

A lot of farmers in Karnataka are on the brink of poverty. By planting areca nut and coconut trees on their lands, they get an additional source of livelihood.



Districts of Karnataka affected by drought in 2018

Source : Scroll.in

PLANTATION DETAILS

FARMER'S NAME	FARMER'S VILLAGE	NUMBER OF TREES PLANTED
Babybai	Muslapura	100
Krishna Naik s/o Papa Naik	Muslapura	23
Murugesh C	Muslapura	6
Yogesh Naik	Muslapura	35

TREES PLANTED



Coconut



Areca nut



Muslapura, Karnataka

The trees planted by you in Muslapura have made the earth a greener place and brought Karnataka a step closer to solving its water woes.

Areca nut and coconut are important commercial plants. Areca nut yields around **5 kilos** of nut each year while coconut yields around 100 **kilos**.

In a further effort to support rural livelihoods, SankalpTaru Foundation has initiated the creation of **eco-cutlery** made from the leaves of areca nut tree. The leaves are processed in small machines installed and operated by farmers to shape plates, bowls and spoons to be sold in the market.

Coir obtained from the outer husk of coconut shell is woven to make ropes and mats and is also added to potting mix.

IMAGES FROM SITE

Images of farmers standing next to the saplings they planted





Images of farmers standing in their fields



IMPACT CALCULATION



95% survival rate



525 tons of oxygen produced
(30 tons from areca nut, 495 tons from coconut)



274 tons of carbon dioxide sequestered
(16 tons from areca nut, 258 tons from coconut)



7220 Kg fruit produced per season
(500 Kg areca nut, 6720 Kg coconut)



Cooling factor
1.7 °C for areca nut
2.4 °C for coconut



8 feet increase in groundwater depth



₹ 91,128 increase in farmers' income per season
(₹ 75,000 through areca nut, ₹ 16128 through coconut)

- The above data is given for **164 trees (100 areca nut and 64 coconut)**
- The above data is taken over a period of **35 years**
- Average cost given to the farmers is considered **₹ 150/kg for areca nut and ₹ 2.4/kg for coconut**

The image features a white background with two eucalyptus branches framing the central text. One branch is on the left, extending from the top-left towards the bottom-left. The other branch is on the right, extending from the top-right towards the bottom-right. Both branches have green, rounded leaves and thin, light-colored stems.

Thank You

Your one click has created a difference in the life of the farmers and increased greenery for Mother Earth.

Keep planting!