



कृषि एवं किसान
कल्याण मंत्रालय
MINISTRY OF
**AGRICULTURE AND
FARMERS WELFARE**



AGRISURE GREENATHON

Team name : Casefo

Team Leader name : Prem kumar.RA

Problem statement : Turning Agri-waste into
Profitable business opportunities



Turning agri waste into profitable business



CASUARINA
LEAVES



AN NEW ALTERNATE
MEDIUM FOR
GROWING PLANTS



CASEFO
BLEND

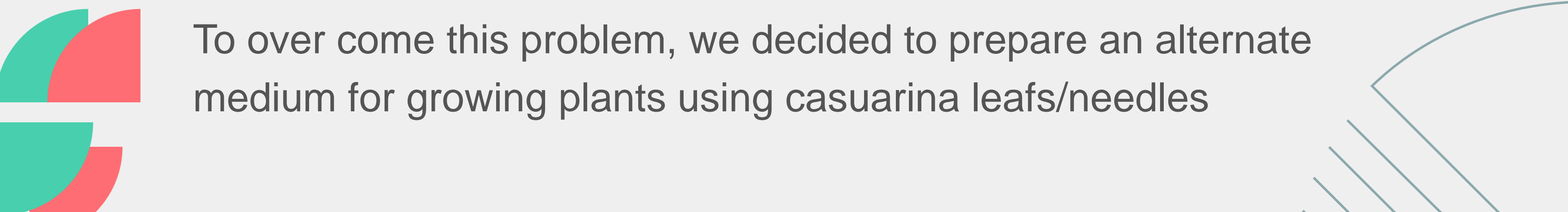




PROJECT INTRODUCTION

In Agriculture, the increase in scarcity of Arable land and increase in urbanization let the plants to be cultivated in a protected soilless cultivation methods like hydroponics, coco peats etc.,

However now a days, using these methods become complicated for actual normal cultivation process



To overcome this problem, we decided to prepare an alternate medium for growing plants using casuarina leaves/needles

Problems with existing one

RATE OF DECOMPOSITION

COCO Peat has low decomposition rate because of the fiber protein lignin

LESS NUTRITIOUS TO PLANTS

Because of their poor decomposition it doesn't supply adequate nutrients to the plants for further development

COSTLIER

COCO peat has become a sole product and costlier to farmers

ENVIRONMENTAL ISSUES

While production it needs large amount of water and also it creates water and air pollution

Solution - Casefo blend

RATE OF DECOMPOSITION

Casefo decomposes quickly

NUTRITIOUS TO PLANTS

quicker decomposition results in release of essential plant nutrients while plant grow

COST EFFECTIVE

Due to the bunch of availability of raw materials and simple production process its cost is affordable even to marginal farmers

ECO FRIENDLY PRODUCT

No such environmental issues is there while and after production



PRODUCTION TECHNOLOGY

Collection /Procurement of raw material



Grading

Sterillization using hot steam



CE

Grinding



Nutrient and ph analysis

hydraulic compression into blocks and chips



packing and labeling



Proto type



PRODUCTS



CASEFO BLOCKS



CASEFO CHIPS



CASEFO BLEND



CASU BIO POTS
SEED TRAYS



PARTICLE BOARDS

Our research and Reports



MARKET ANALYSIS



In current situation, COCO peat is leading the market as a substitute for soil cultivation

Our team strongly believe that if our casefo entered into the market it will attract most of the growers in different ways and compete well with the existing one

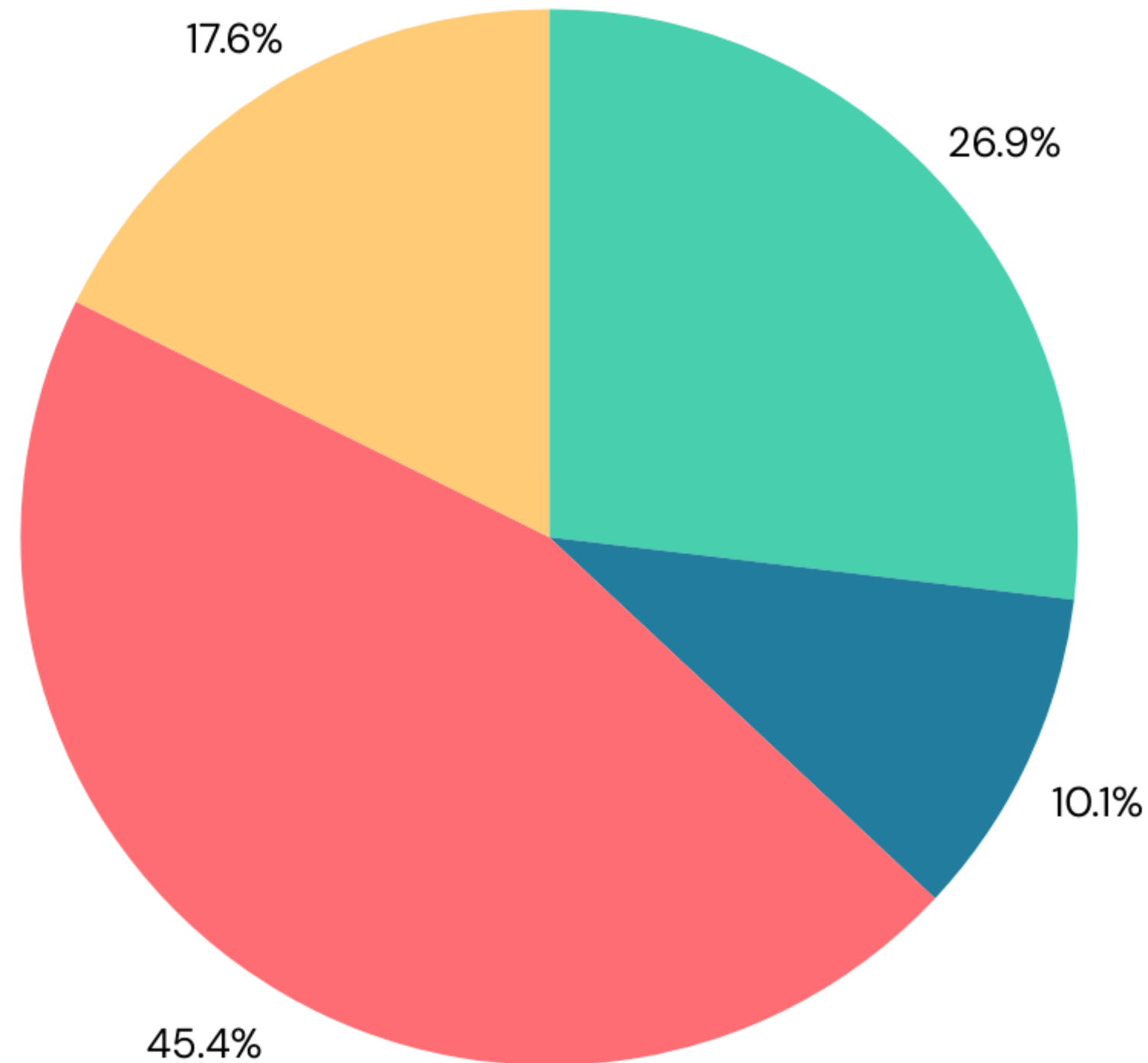
TARGETED CUSTOMERS

KITCHEN & TERRACE
GARDENERS

PLANT NURSERIES

FPO

LAND SCAPING AGENTS



The background features four decorative geometric patterns in the corners. The top-left corner has a series of parallel diagonal lines in a light teal color. The top-right corner contains a cluster of overlapping semi-circles in yellow, red, teal, and dark blue. The bottom-left corner features a similar cluster of overlapping semi-circles in red, teal, and dark blue. The bottom-right corner has a series of parallel diagonal lines in a light teal color, mirroring the top-left pattern.

THANK YOU