



### About NFPP

Nedspice believes that backward integration and sustainability are some of the main challenges for the food industry in the years ahead. To ensure that spice farming remains financially attractive and offers a sustainable livelihood for farmers Nedspice has initiated the development of backward integration programmes for farmers in the countries it works in. This ambition is laid down in the Nedspice - Farmers Partnership Programme (NFPP) which defines the approach, key principles as well as the expected results. In this update you will find information about the latest NFPP activities for ginger in Palakkad, India.

### Crop stage

- The crop is currently at vegetative stage. Favourable rainfall distribution has been beneficial for the crop development.
- Ginger farms are showing healthy growth without any pest and disease incidence. Hence, farmers expect to have a better yield this season.
- The trial farm with the IISR-Varada variety is doing well. This project aims to test the possibility of applying this variety on larger scale in Palakkad.
- Adequate organic matter was applied, by way of the farmyard manure application, after monsoon showers.

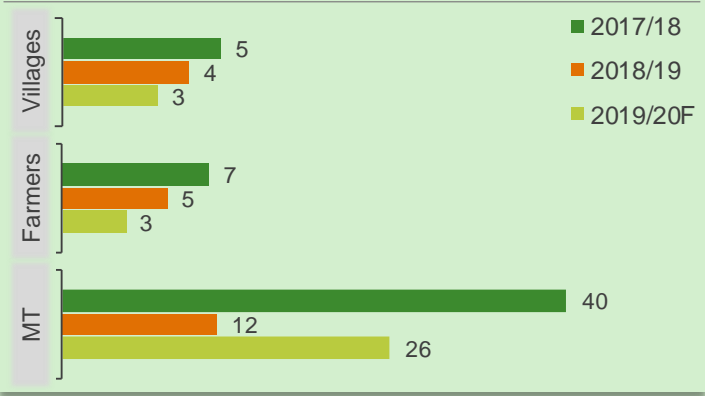
#### Climate development in NFPP area (2019/20 season)<sup>1</sup>

Stage	Period	C <sup>o</sup>	mm	Days	✓
Planting	Jun	8%	28%	(33%)	✓
Vegetative	Jul - Oct	1%	(74%)	(68%)	✓
Rhizome formation	Nov				
Rhizome maturation	Dec				
Harvesting	Jan - Mar				

### Developments

- The NFPP for ginger was initiated in the 2017/18 crop season. A pilot project started in Palakkad district of Kerala with 7 farmers in 5 villages, from which 9 MT of superior quality, sulfur and aflatoxin free dried ginger was procured.
- The Better Ginger Initiative (BGI) started in Jun-18 after the successful completion of the ginger pilot during 2017/18. Due to severe floods in Aug-18, only 4 ha from 5 farmers were left in the BGI.
- For this crop season, 3 farmers from 3 villages were selected based on farming performance. Nedspice has set a procurement target of 10 MT of superior quality, sulfur and aflatoxin free dried ginger out of a c. 26MT crop size.

#### Programme impact and evolution

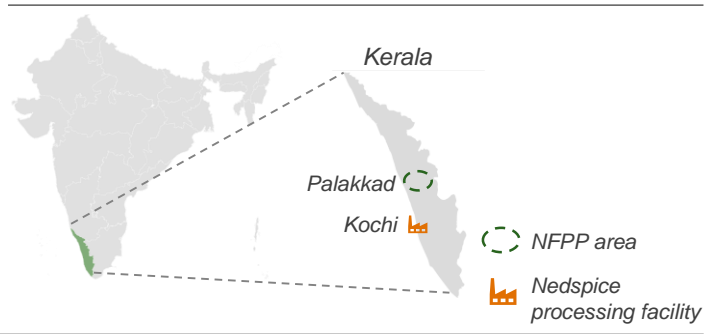


### Crop stage



- Early vegetative stage. - Vegetative stage.

### NFPP area overview



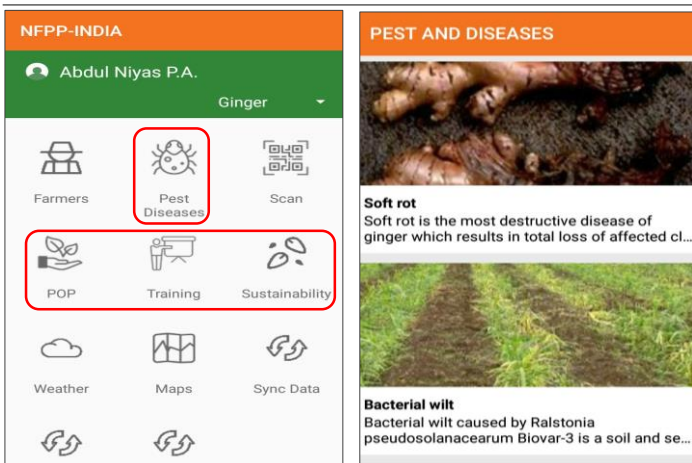
<sup>1</sup> Stages are indicative for the Himachal variety. The percentages represent the change versus the same period last year, considering data until 20-Sep-19. Rainy days are defined as days with >2.5mm rainfall. Temperature is based on the average of day maximum temperatures over the period.



## Activities

- Jul – Sep-19 :
  - Fertiliser application was carried out in the ginger fields after south west monsoon.
  - Farmers have applied safe fungicides in their crops as a preventive measure to avoid incidence of rhizome rot after monsoon.
  - Foliar application (micronutrients) on leaves has been carried out to improve crop health.
  - All farmer data and field activities have been updated in the NFPP app for complete traceability.
  - Greater awareness imparted to farmers on biodiversity conservation and waste management practices.
  - Adoption of GAPs regarding crop rotation, green manuring, timely weeding and planting of wind breaks/ border crops.

## New features on the NFPP ginger app



- Pest & diseases, Package of Practices (POP), training & sustainability.

## Trial plot



- Trial with the IISR-Varada variety. This variety is known for a good yield, higher quality and is tolerant to some diseases.
- The trial crop is showing healthy growth without any pest and disease incidence.



## What's next?



- Sep-19 onwards:
  - Regular field visits to monitor crop health and growth.
  - Trainings on fertiliser application and pest management to NFPP farmers on a monthly basis.
  - Focus on the adoption of good agricultural practices and nutrient management for better rhizome development.
- Oct-19: Biodiversity assessment will be carried out in the ginger project area, involving key stakeholders from Nedspice, India Business and Biodiversity Initiative and Confederation of Indian Industry.

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