

### 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 the ginger and nutmeg pilots undertaken in Kerala, India.

### Crop stage



- The ginger harvest was completed by February end.
- Sustainable agricultural practices provided ginger farmers of the NFPP pilot area a competitive advantage as it reduced cost of production and increased the yield.
- Ginger rhizome harvest for seed production was completed by March end and stored in the field under shade. This material will be used for next season's plantings.
- The nutmeg plantations are currently in the fruit maturation stage, fruits are showing healthy growth without any pest attack.
- Nutmeg harvest would commence from June-18 onwards.

Crop development in NFPP area (2017/18 season)<sup>1</sup>

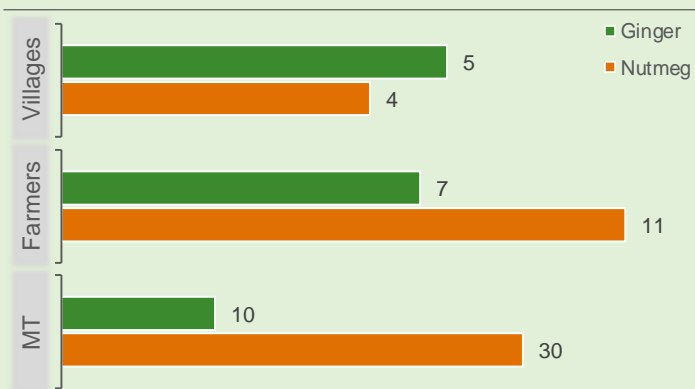
Ginger	Period	Nutmeg	Period
Planting	Jun	Non flowering	Sep
Vegetative	Jul – Oct	Bud initiation	Oct – Nov
Rhizome formation	Nov	Fruit development	Dec – Mar
Rhizome maturation	Dec	Fruit maturation	Apr – May
Harvest	Jan – Feb	Harvest	Jun – Aug

### Developments



- The ginger pilot was initiated in Jun-17, in Palakkad district of Kerala, known for production and processing of high quality ginger.
- The project comprises 5 villages in Palakkad district with 7 farmers enlisted. A procurement of 10 MT of sulfur-free dried ginger was targeted for this pilot.
- The nutmeg pilot was initiated in Sep-17 in Ernakulam district of Kerala, known as one of the traditional nutmeg growing regions in Kerala.
- 11 farmers, with productive nutmeg plantations that are 16+ years old, across 4 villages are participating in the programme.
- A procurement target of 30 MT is set for nutmeg pilot.

Programme impact and evolution



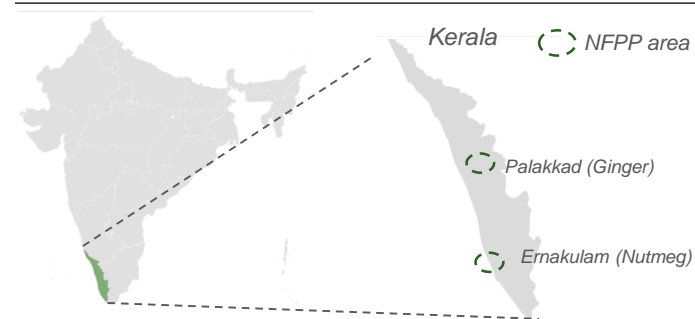
### Post harvest drying of ginger



- Drying of ginger on rocky beds (ensures uniform drying and aflatoxin free whole dried ginger).



### NFPP area overview



1) Stages are indicative for the Himachal and Kochukudy varieties, for ginger and nutmeg respectively (popularly grown varieties).



- Ginger
  - Whole sulfur-free dried ginger was procured from NFPP registered farmers.
  - Regular ginger field visits during harvest and post harvest helped in producing superior quality ginger, which is aflatoxin-free, sulfur-free and pesticide residue compliant.
  - Registrations of ginger farmers for the next crop season.
- Nutmeg
  - Mulching using dried leaves and frequency of irrigation has been increased due to higher summer temperatures.
  - Water conservation practices were implemented in nutmeg plantations to reduce the impact of water stress.
  - As fungicide, a Bordeaux mixture is carried out in nutmeg plantations as a preventive measure from diseases such as Die Back, Thread Blight and Fruit Rot.

### NFPP App for Ginger – Harvest data



### Nutmeg fruits at maturation stage



FARMER DETAILS		HARVEST	
<b>Abdul Kadar A.A</b> More details P1 + Dt of germ 2017-07-18 P1 10.50 tons 3 acre Total 10.50 tons 3 acre		ADD HARVEST HISTORY Correct PHP Implemented Yes Date of harvest 2018-01-30	
ACTIVITY FUNCTIONALITY		SAVE	
Alerts	0		
Field visit	0		
Harvest			
Packing			
Sampling			



- Nutmeg fruits at maturation stage.



- Nutmeg trees and fruits showing healthy growth without any pest attack.

Harvest, packing and sampling details in NFPP App for ginger

### What's next?



- Ginger
  - Planning for the 2018-19 crop season: village and farmer identification, basis procurement target of 100 MT to get under way from second half of April-18.
  - Training for NFPP registered ginger farmers on a weekly basis about proper land preparation and correct pre-sowing practices during May.
  - Land preparation for ginger rhizome planting to commence by May-18 (receipt of early summer showers is expected in early May).
- Nutmeg
  - Regular field visits will be conducted during harvest and post harvest to ensure the right practices are adopted for obtaining aflatoxin-free products.

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