



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 turmeric in Kadapa and Palakkad, India.

Crop stage



- The crop in Kadapa, which is the major NFPP area, is developing well at the current vegetative stage.
- NFPP Turmeric crop at the smaller site in Palakkad district has been drastically affected due to the recent heavy rains and floods during Aug-18. About 42% of the crop has been lost (c. 9 hectares). The yields of salvaged areas may decrease significantly owing to severe incidence of rhizome rot. 13 hectares of salvaged area have been reported after floods, located in 5 villages in Palakkad district.

Climate development in NFPP area (2018/19 season)¹

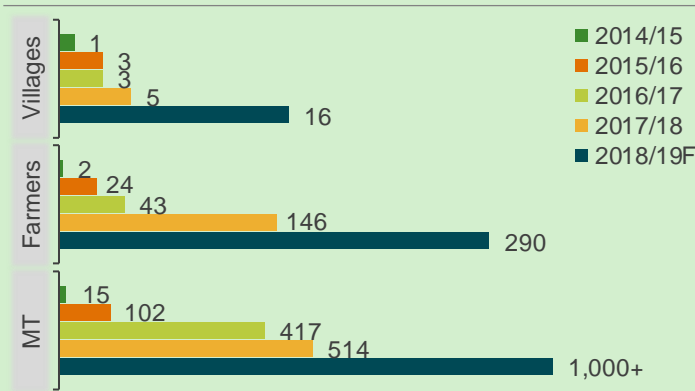
Stage	Period	☀️ °C	☁️ mm	☁️ Days	📏
Planting	Jun	0%	(40%)	(23%)	✓
Vegetative	Jul - Oct	(2%)	-	3%	✓
Rhizome formation	Nov - Jan				
Rhizome maturation	Feb				
Harvesting	Mar - Apr				

Developments



- The NFPP for turmeric in Kadapa district of Andhra Pradesh was launched in the 2014/15 crop season. The programme quickly expanded over the subsequent seasons, more than quadrupling volumes in 2016/17 versus the previous year.
- Including the extension of the programme with a pilot in Palakkad, Kerala, the 2018/19 programme has 290 farmer registrations.
- To date, Nedspice procured 514 MT from the 2017/18 crop. For the 2018/19 crop, preliminary procurement targets of 800 MT for the Mydukuru variety, 200 MT for the Pragathi variety from Kadapa and 50 MT of Alleppey Finger Turmeric (AFT) from Palakkad were set. However, the AFT procurement target is now being re-assessed due to the recent floods.

Programme impact and evolution



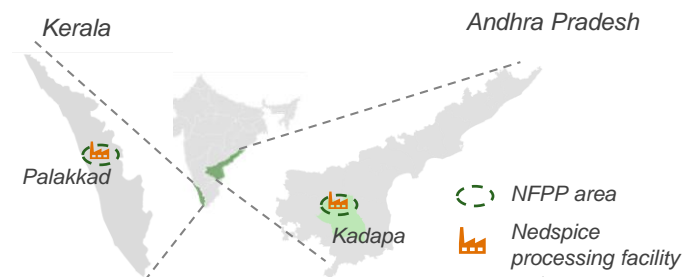
Crop stage



- Turmeric crop in Kadapa at the vegetative stage with drip irrigation lines laid between the rows.
- The AFT fields at Palakkad under flooded condition post the heavy rains witnessed in the 3rd week of Aug-18.



NFPP area overview



¹) Stages are indicative for the Mydukuru and Pragathi variety. The percentages represent the change versus the same period last year in Kadapa, considering data until 5-Sep-18. Rainy days are defined as days with >0mm rainfall. Temperature is based on the average of day maximum temperatures over the period. Disclaimer: This document is for information purposes only. The information contained herein does not constitute the provision of investment advice. It is not intended to be and should not be construed as a recommendation, offer or solicitation to purchase any product.



Activities

- Up to 31-Aug, 514 MT of the Mydukuru turmeric variety had been procured from the 2017/18 NFPP turmeric programme.
- In Kadapa, Andhra Pradesh:
 - Farmer trainings on fertiliser and bio pesticide application were conducted for farmers from 11 villages in the project area;
 - Manual weeding and fertiliser application are being carried out;
 - All farmer data and field activities have been recorded and updated in the NFPP app for complete traceability.
- In Palakkad, Kerala:
 - Weeding has commenced in the salvaged AFT fields from 30-Aug after heavy rains and floods;
 - Fungicide application is also being carried out in the fields due to the impact of rhizome rot.

Weeding and farmer training



- *Manual weeding is being carried out in AFT fields at Palakkad after floods.*
- *Farmer training on fertiliser and bio-pesticide application in Kadapa.*



Research trial - AFT



- *AFT seed rhizomes germinated in protrays. Mixture of soil, sand and Trichoderma enriched goat manure used as growing medium.*
- *AFT transplants in the main field for different R&D treatments.*



What's next?



- Palakkad, Kerala:
 - Sep-18: Farmer trainings are being conducted on curative application of fungicides providing extra protection in the salvaged NFPP plots, after heavy rains and floods.
 - The research trial for the production of AFT using pro-tray multiplication technique commenced on 18-Jul with support from the Agricultural Science Centre (Krishi Vigyan Kendra, Kerala):
 - 10,000 AFT transplants were produced using pro-tray multiplication technique and transplanting has commenced from 26-Aug.
 - Three treatments with different fertiliser applications will be undertaken after completion of transplanting, to assess and arrive at the right package of practices for forthcoming programmes.
- Kadapa, Andhra Pradesh:
 - Mid-Sep: Farmer trainings will be conducted on good agricultural practices, to be carried out in the field during the vegetative crop stage.

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