



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 is at the early rhizome formation stage.
- In Palakkad, the crop was significantly affected due to heavy rains and floods during Aug-18, resulting in lower yield and shortage of raw material. Thus, storing of Alleppey Finger Turmeric (AFT) rhizomes as seed material for planting in the next season, is expected.
- The weather continued to be harsh in the later stage of crop development, with lower rainfall and high day temperatures, causing thermal stress which will negatively affect the rhizome formation. The expected yield loss is being assessed.

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

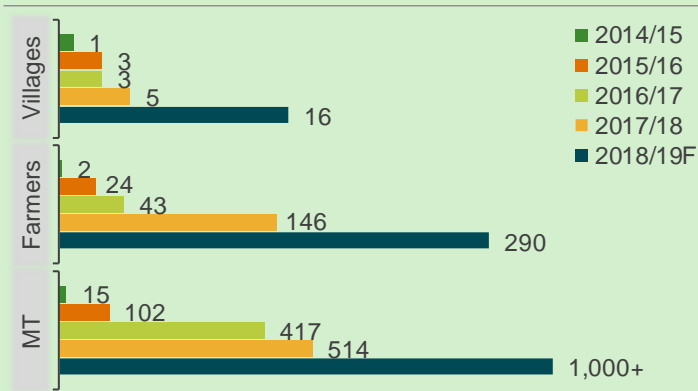
| Stage | Period | °C | mm | Days | |
|--------------------|-----------|----|-------|-------|---|
| Planting | Jun | 0% | (40%) | (23%) | ✓ |
| Vegetative | Jul - Oct | 2% | (54%) | (36%) | ✗ |
| Rhizome formation | Nov - Jan | 6% | n.a | n.a | ✗ |
| Rhizome maturation | Feb | | | | |
| Harvesting | 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 to Palakkad, Kerala, the 2018/19 programme has 290 farmer registrations.
- Nedspice procured 514 MT from the 2017/18 NFPP turmeric programme. 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 AFT from Palakkad have been set. However, the AFT procurement target is now being re-assessed due to the unfavorable weather conditions during vegetative stage.

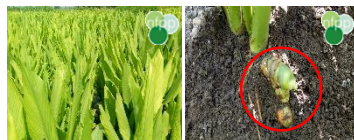
Programme impact and evolution



Crop stage



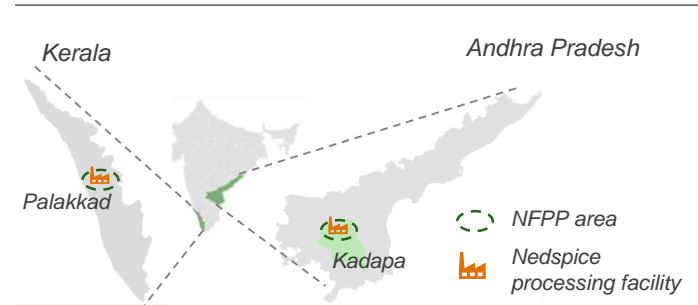
- Turmeric crop in Kadapa at the rhizome development stage.



- Palakkad AFT fields at vegetative stage (the salvaged crop after floods)



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 10-Nov-18. Rainy days are defined as days with >0mm rainfall. Temperature is based on the average of day maximum temperatures over the period.



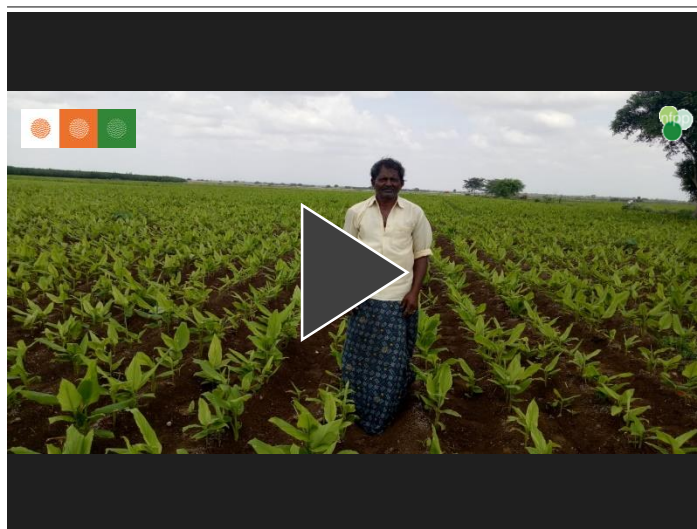
- In Kadapa, Andhra Pradesh:
 - Up-to-date farmer data and field activities of this crop season have been uploaded for complete traceability.
 - Recommended fungicides and pesticides are being applied on fields which have symptoms of rhizome rot and pest attack.
 - All programme farmers have implemented proper waste management techniques by collecting all empty pesticide / fertiliser packets and containers.
 - The local hospital in the project area has been contacted for disposing our project waste material, once the crop reaches the pre-harvest stage. This would be done in the same premises where hospital waste is disposed.
- In Palakkad, Kerala:
 - Micronutrients and growth promoters are being applied due to nutrient leaching after floods.

Smart signboard with QR code



- *NFPP Smart signboard with QR code on turmeric fields at Kadapa ensures better traceability .*

Waste management



What's next?



- Kadapa, Andhra Pradesh:
 - Nov-18: NFPP Smart signboards with QR codes will be distributed to all NFPP registered farmers which will be placed in their fields, where farmer and crop data can be checked by scanning the QR codes through the NFPP App, thereby ensuring complete traceability.
 - Mid Dec-18: Farmer trainings will be conducted on harvest and post-harvest practices to ensure aflatoxin and allergen free produce.
 - Jan-19: Commence selection of NFPP farmers for the next season's programme by reviewing NFPP turmeric farmer profiles over the past 2 – 3 seasons.
 - Due to poor soil quality observed in some plots, soil testing will be made mandatory for the next season prior to land preparation. Remedial soil improvement measures will be included in the package of practices.
- Palakkad, Kerala:
 - Mid Dec-18: Farmer trainings will be conducted on harvest and post-harvest practices to ensure aflatoxin and allergen free produce.

Nedspice

Netherlands: +31 10 2801 380

United States: +1 843 443 4007

Vietnam: +84 274 37 18 005

India: +91 484 22 23 286

spices@nedspice.com

<http://www.nedspice.com/>

NEDSPICE

