



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, India.

Crop stage



- Harvesting of Mydukuru and Pragati varieties completed in all 5 villages that are part of the Nedspice programme.
- Harvested rhizomes and steamed rhizomes are being kept on top of plastic sheets, instead of on dirt ground.
- Steaming of rhizomes is being carried out by our programme farmers at field level, using specially designed steam boilers.
- Initial observations of post crop harvest indicate that rhizome development was less compared to last year. This could impact productivity levels, which is being assessed in parallel.

Climate development in NFPP area (2017/18 season)¹

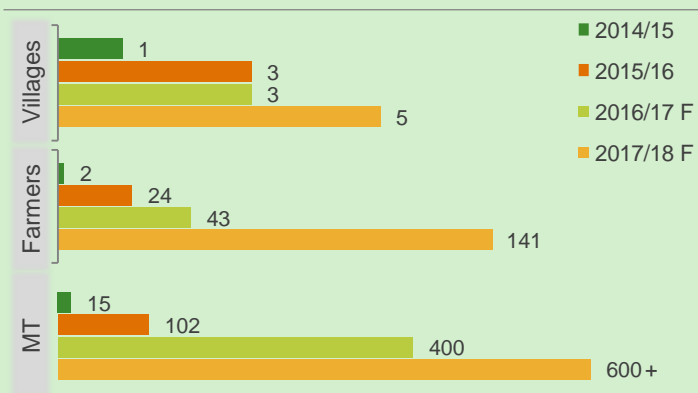
Stage	Period	%	mm	Days	
Planting	Jun	+5%	+50%	(7%)	✓
Vegetative	Jul – Oct	+3%	+15%	+36%	✓
Rhizome formation	Nov – Jan	0%	(100%)	(100%)	✓
Rhizome maturation	Feb	(3%)	n.a	n.a	✓
Harvesting	Mar – Apr	(2%)	(73%)	(50%)	✓

Developments



- The NFPP for turmeric in Kadapa district of Andhra Pradesh was launched in the 2014/15 crop season, starting with 2 farmers in 1 village, from which 15 MT was procured.
- The programme expanded quickly over the subsequent seasons, almost quadrupling volumes in 2016/17 to 400 MT compared to 2015/16 volumes.
- The 2017/18 NFPP turmeric programme has 141 farmer registrations, a 325% increase versus last year, from which Nedspice aims to procure 600+ MT.
- The strong increase in farmer registrations is mainly a result of the Good Agricultural Practices (GAPs) implemented over the previous years and the good yield results achieved by farmers which participate in the programme.

Programme impact and evolution



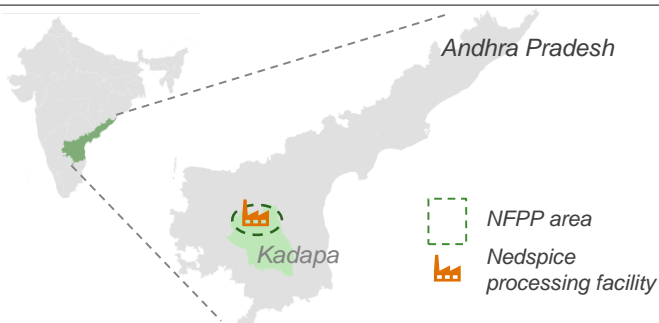
Post harvest practices



- NFPP farmers using plastic sheets to protect harvested rhizomes from soil contamination, as part of good agricultural practices (GAPs).
- Usage of steam boilers at the farm level for steaming the harvested rhizomes, as part of the curing process.



NFPP area overview



¹) Stages are indicative for the Mydukuru variety. The percentages represent the change versus the same period last year, considering data till 20-Apr-18. Rainy days are defined as days with >0mm rainfall. Temperature is based on the average of day maximum temperatures over the period.



Activities

- 8 - 9th February: Site visits of NFPP Turmeric project area by Nedspice EMEA team members
 - Visited the processing unit, turmeric fields at pre-harvest stage, cold storage facility and Kadapa turmeric auction market.
- 14 - 15th March: Customer visit to NFPP project area
 - Visited project fields, processing unit and cold storage facility to study NFPP post harvest activities.
 - Visited turmeric auction market and a conventional processing facility in Kadapa, to demonstrate the benefits observed in the NFPP Turmeric programme.
- Procurement activities commenced 15th March and a cold storage of raw materials has been operated since 2nd April.
- Pragati variety samples were tested and resulted the desirable colour (more towards Alleppey Finger Turmeric (AFT)) and good curcumin content (CC) of 4.0-4.5%.

Post harvest practices (cont'd)



- NFPP farmers using plastic sheets to dry the steamed rhizomes, as part of the curing process.
- Semi finished goods (washed, scrubbed, dried and sorted graded) packed in PP bags at Nedspice local pre-processing facility, prior to dispatch to the Nedspice processing facility in Cochin.



Post harvest processing



What's next?



- Procurement and processing activities to continue for the next 2 quarters, as farmers are currently reluctant to sell their produce at one go because they are anticipating a rise in market auction prices.
- Planning activities are under way for the next crop season, which will commence in Jun-18.
 - Project to be extended to 5 new villages in Kadapa district.
 - Farmer lists for undertaking sowings of c. 475 acres of Mydukuru variety and 75 acres of Pragati variety in Jun-18 have been received, which will be screened by the field team, prior to the commencement of sowings.
 - NFPP turmeric programme as a Better Turmeric Initiative (BTI) to be extended to Kerala for AFT (Alleppey Finger Turmeric) variety, for plantings in Jun-18.
 - Approx. 50 acres of AFT variety to be planted under the BTI in Palakkad and Thrissur districts in Kerala.
- Variety wise target volumes to be finalized by mid May-18.

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