

2017 – 18

1. Germplasm survey in West Bengal and Jharkhand could identify and collect one profuse fruiting type in Jhargram and Baramasi type (fruiting throughout the year) has been located and collected by Tura centre.
2. The irrigation treatment of 80% of cumulative pan evaporation found to be better in terms of reproductive parameters at Hogalagere, Vridhachalam and Vengurle centres.
3. With respect to organic management, recommended dose of fertilizer with 10 kg FYM has given best results in Bapatla, Darisai, Hogalagere, Vengurle and Vridhachalam centres.
4. Chlorpyrifos (10 ml/litre) could lead to better recovery, lower reinfestation of cashew stem and root borer in Bhubaneswar, Jagadapur and Vridhachalam centres.
5. The centres have taken up 56 training programmes covering various aspects of cashew cultivation for stakeholders including tribal farmers.

Planting Material Produced :

A total of 395490 grafts were produced during 2017-18 and distributed to several government and non-government organizations as well as to cashew farmers. The centre wise production of cashew grafts is given below :

Centre	No. of grafts produced
Bapatla	50000
Bhubaneswar	20000
Jagdapur	7000
Jhargram	3000
Madakkathara	103102
Pilicode	20000
Vengurle	155380
Vridhachalam	37008
TOTAL	395490

2018-19

1. 27 new germplasm accessions for yield and yield attributing characters have been collected by different centres and 125 accessions are in various stages of characterization and evaluation.
2. In the high density planting trials, it was found that BC ratio goes on decreasing as the years advance in high density (4m x 4 m) and it has increased in normal density planting (8 m x 8m).

3. The intercrop china aster at Bapatla, tomato at Darisai, cluster bean at Jhargram, amaranthus at Madakkathara, bhendi at Vridhachalam centers gave highest net returns in the intercropping experiment.
4. Lamda-Cyhalothrin (0.6 ml/litre) found to be more effective compared to other insecticides against TMB, Shoot tip caterpillar, Apple and nut borer, leaf miner in Bapatla, Bhubaneswar, Vridhachalam Jagdalpur and Madakkathara.
5. The centres have conducted 49 training and awareness programs on different aspect of cashew cultivation and management practices.

Planting Material Produced :

A total of **361491** grafts were produced during 2018-19 and distributed to several government and non-government organizations as well as to cashew farmers. The centre wise production of cashew grafts is given below :

Centre	No. of grafts produced
Bapatla	90000
Bhubaneswar	22000
Jagdalpur	8000
Jhargram	792
Madakkathara	121365
Pilicode	15000
Vengurle	60798
Vridhachalam	43536
TOTAL	361491

2019

1. A total of 27 new accessions have been collected by different centers.
2. The intercrops Crossandra at Bapatla, Tomato at Darisai, Pumpkin at Jhargram, Amaranthus at Madakkathara, Coriander at Paria, Bhendi at Vridhachalam and Yardlong bean at Vengurla centers gave highest net returns.
3. In organic management trial, recommended dose of fertilizer with 10 kg FYM gave highest benefit ratio in Bhubaneswar, Darisai, Vridhachalam and Hogalagere.
4. L-Cyhalothrin (0.6 ml/litre) was found to be more effective against TMB, Shoot tip caterpillar, apple and nut borer, leaf miner in Bapatla, Bhubaneswar, Vridhachalam Jagdalpur and Madakkathara.
5. A new trial to manage TMB has been initiated with region specific botanicals at Paria, Pilicode, Bapatla, Bhubaneswar, Hogalagere, Madakkathara, Jagdalpur, Vengurla and Vridhachalam.

Production of Planting Material :

A total of 553784 grafts were produced during 2019-20 and distributed to several government and non-government organizations as well as to cashew farmers. The centre wise production of cashew grafts is given below :

Centre	No. of grafts produced
Bapatla	85000
Bhubaneswar	15000
Hogalagere	1219
Jagdapur	2000
Jhargram	5000
Madakkathara	159087
Pilicode	12000
Vengurle	141900
Vridhachalam	132578
TOTAL	553784

2020

1. A total of 17 new germplasm accessions have been collected by different centers during the year.
2. A new trial on CNSL free accessions was initiated at Vengurle where tender cashewnuts are in demand for culinary purposes.
3. For CSRB, Chloropyriphos (10ml/l) was found to be effective in Madakkathara, Vridhachalam and Jagdalpur. However, Imidachloprid (2ml/l) was effective in Bapatla center. In Hogalagere, and Vengurle centers, Fipronil gave the best results.
4. In the trial on management of TMB through regional botanicals, no botanical formulation performed better than the chemical control. However, Datura seed extract @5 % gave good results at Vengurle, Datura decoction @ 3% at Jagadalpur, Kasargod cow urine spray 10% at Pilicode and leaf extracts of Adathoda, Datura, Vitex, Calotropis and neem at Vridhachalam gave good results initially.
5. 93 training programmes on different aspect of cashew cultivation and management practices have been conducted by different centers in which around 5724 farmers have participated.

Production of Planting Material :

A total of 528673 grafts were produced during 2020 and distributed to several government and non-government organizations as well as to cashew farmers. The centre wise production of cashew grafts is given below :

Centre	No. of grafts produced
Bapatla	60000
Bhubaneswar	20000
Hogalagere	3000
Jagdapur	9500
Jhargram	5000
Kanabargi	15000
Madakkathara	91348
Paria	600
Pilicode	7500
Vengurle	166725
Vridhachalam	150000
TOTAL	528673

2021

1. A total of 25 new germplasm accessions have been collected by different centers.
2. In the trial on hybridization and selection, a total of 125 F₁ progenies were evaluated at different centers and many promising types are identified.
3. As for as botanicals are concerned, Azadirachtin 1% (1 ml/l) was found effective at Hogalagere and Kanabargi, *Datura metel* decoction @ 5 % at Jagdalpur, Neem seed kernel extract @5% at Pilicode, *Datura* seed extract @ 5 % at Vengurla, spraying of combined Leaf extracts of *Adathoda*, *Datura*, *Vitex*, *Calotropis* and Neem at Vridhachalam were found effective against TMB with least toxicity to non target organisms.
4. Fifty training programmes were conducted by different centers on different aspect of cashew cultivation and management practices under SCSP, TSP and other programs in which more than 4000 farmers have participated.

5. Production of Planting Material :

A total of 319435 grafts were produced during 2021 and distributed to several government and non-government organizations as well as to cashew farmers. The centre wise production of cashew grafts is given below :

Centre	No. of grafts produced
Bapatla	35000
Bhubaneswar	18500
Hogalagere	3000
Jagdapur	9500
Jhargram	3000
Kanabargi	0
Madakkathara	94133
Paria	0
Pilicode	7500
Vengurle	46060
Vridhachalam	102742
TOTAL	319435