

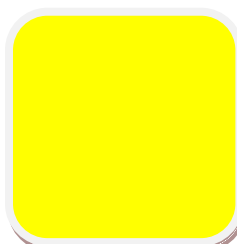
NHM

Update



Quarterly Bulletin

Quarterly review bulletin, July- September, 2012



National Horticulture Mission
Department of Agriculture & Cooperation,
Ministry of Agriculture,
Government of India, Krishi Bhawan,
New Delhi – 110 001
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NATIONAL HORTICULTURE MISSION - QUARTERLY BULLETIN (JULY TO SEPTEMBER 2012)

A. NATIONAL HORTICULTURE MISSION (NHM)

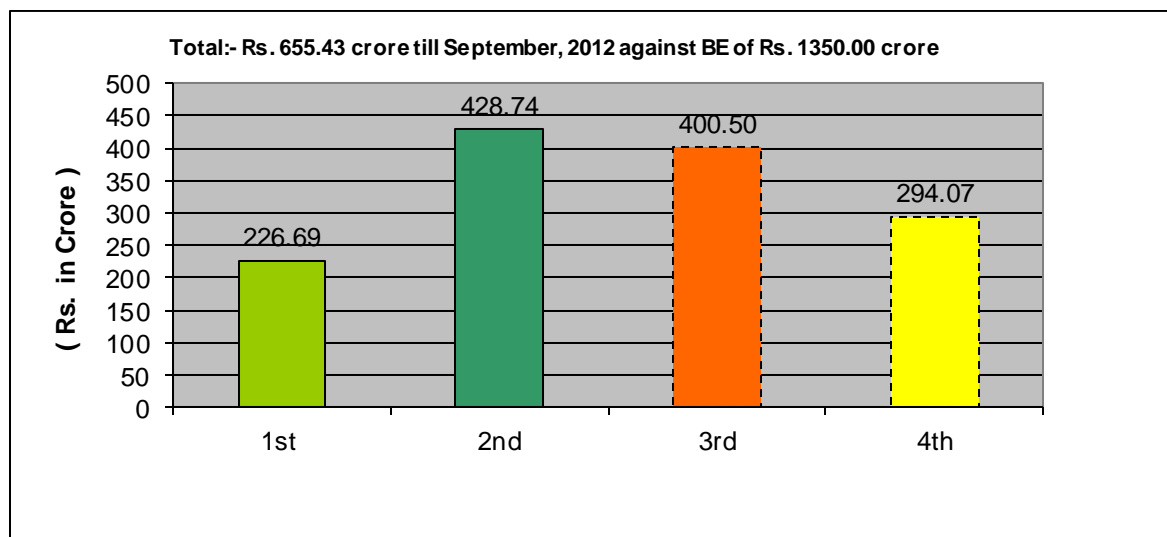
Release and Expenditure: 2012-13

During the current financial year Rs. 1350.00 crore has been earmarked for NHM. The Annual Action Plan for all the 18 States, 3 Union Territories and 12 National Level Agencies (NLAs) were approved on 11.04.2012. An amount of Rs. 655.43 crore including Rs. 626.63 crore to State Horticulture Missions (SHM) and Rs. 28.80 crore to the NLAs was released till 30th September, 2012.

Performance Review

Out of total release of Rs. 655.43 crore till September, 2012, an amount of Rs. 226.69 crore was released to 8 States and 2 National Level Agencies during the 1st quarter. Details of releases made and further projections are indicated in figure 1.

Figure – I: Quarter wise releases made and projections 2012-13

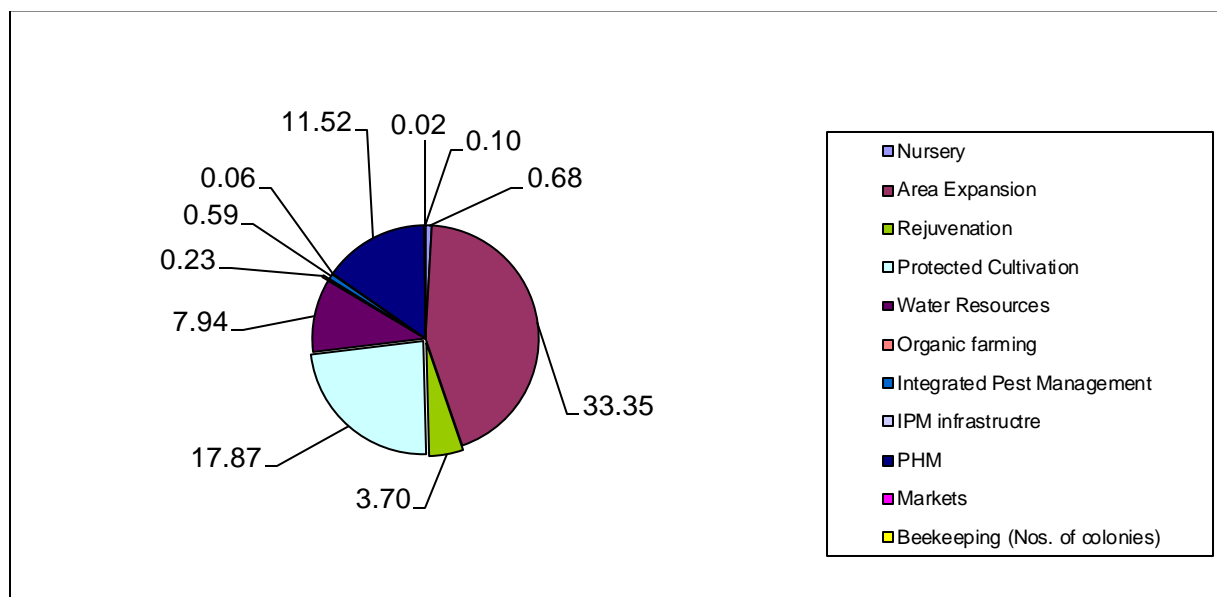


15 States, one Union Territory and 8 National Level Agencies have reported physical and financial progress of the scheme on the website of NHM. States of Odisha and West Bengal are yet to upload the progress during 2012-13.

Trends of Expenditure: 2012-13

The major share of expenditure has been under area expansion followed by, protected cultivation and Post Harvest Management. Details are depicted in **Fig- 2**.

Fig-2: Percentage expenditure under different components of NHM Scheme



Financial Performance (2012-13)

By the end of September, 2012, an expenditure of Rs. 287.53 crore has been reported, which includes Rs. 268.78 crore by SHMs and Rs. 18.75 crore by NLAs.

The break up of physical and financial progress under different components of the scheme is given in **Table 1**.

Table-1: Details of progress under different components of NHM Scheme (2012-13)

Rs. in lakh

Components	Annual Targets		Achievement		% Exp. to total Exp.
	Phy.	Fin.	Phy.	Fin.	
Nursery	5635	7520.63	16	194.30	0.68
Area Expansion	109493	29197.89	48802	9589.31	33.35
Rejuvenation	61734	7469.25	11847	1065.00	3.70
Protected Cultivation	19298	27819.42	10479	5139.44	17.87
Water Resources	3916	10959.11	685	2282.23	7.94
Organic farming	70443	5003.33	3500	66.05	0.23
Integrated Pest Management	71858	2182.11	20949	170.90	0.59
IPM infrastructure	56	1314.1	2	18.17	0.06
PHM	29568	30059.75	1183	3312.74	11.52
Markets	664	3874.55	2	4.59	0.02
Beekeeping (Nos. of colonies)	123936	1285.9	4137	29.53	0.10

Physical Performance (2012-13)

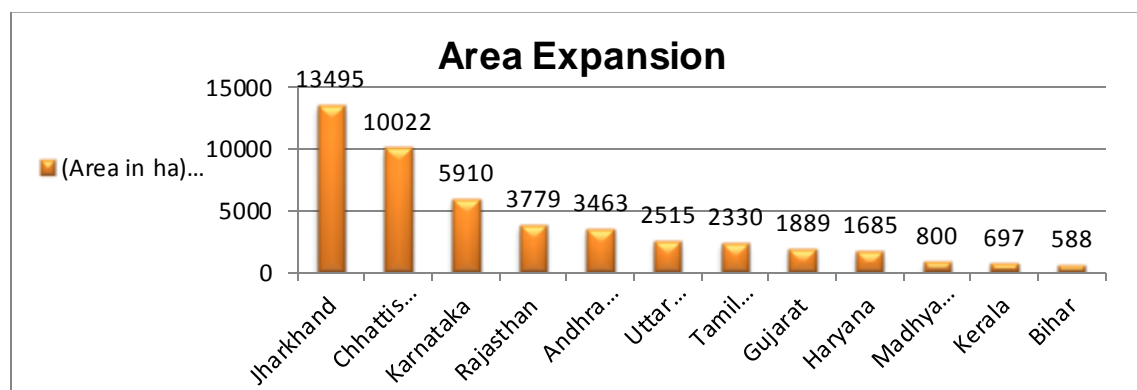
Addressing Quality Planting Material Needs

So far, during 2012-13, sixteen Nurseries and two New Tissue Culture Unit have been established and one existing tissue culture unit has been rehabilitated for production of quality planting material.

Area Expansion

During the period under the performance, an additional area of 48,802 ha. has been brought under various horticultural crops, out of which, an area of 17700 ha. has been brought under perennial fruits, 7654 ha. under non – perennial fruits, 2315 ha. under flowers, 9739 ha. under spices and 206 ha. under aromatic plants and 11188 ha under plantation crops. The area covered till September, 2012 in different States is depicted in **Fig-3**.

Figure-3: State wise Area Coverage under Horticultural Crops



Jharkhand and Chhattisgarh have made aggressive advancements in area coverage during 2012-13. Jharkhand has covered 6000 ha under spices and 3000 ha under cashew plantations. Main focus of Chhattisgarh has also been on cashew plantation by covering 6200 ha during 2012-13.

Rejuvenation

Under the component of Rejuvenation of old and senile orchards, a total area of 11846.75 ha has been covered. Major States are Andhra Pradesh (8881ha), Gujarat (84.79 ha), Karnataka (2463 ha), Kerala (175 ha), Maharashtra (108 ha) and Tamil Nadu (122 ha).

IPM Measures

Under the component of Integrated Pest Management (IPM), a total coverage of 20948.69 ha has been reported in the States of Karnataka (19368 ha), Haryana (800 ha), Kerala (414 ha.), Jharkhand (200 ha), Gujarat (174 ha) and Rajasthan (192 ha).

Water Harvesting Structures

During 2012-13, so far, 685 Community Water Harvesting Structures have been created. Maharashtra has reported creation of 163 units, 144 in Andhra Pradesh, 13 in Bihar, 30 in Gujarat, 104 in Haryana, 43 in Jharkhand, 34 in Punjab, 110 in Rajasthan, 5 unit in Kerala and 39 in Karnataka.

Post Harvest Management

Table 2: Physical Progress under Post Harvest Management Component

States	Pack House	Cold Storage Unit	Refrigerated Vans	Primary/Mobile Process Unit	Ripening Chambers	Low Cost Onion Storage Structures	CA/MA Storage
Bihar						10	
Chhattisgarh		1					
Gujarat	85	2			1		
Haryana	3					5	
Jharkhand			1				
Kerala	3						
Karnataka				51			
Maharashtra	109	7	1	17	4		1
Punjab	25	21		1	1		1
Rajasthan	9	2	1	1	1	806	
Tamil Nadu	10						
Total	244	33	3	70	7	821	2

Markets

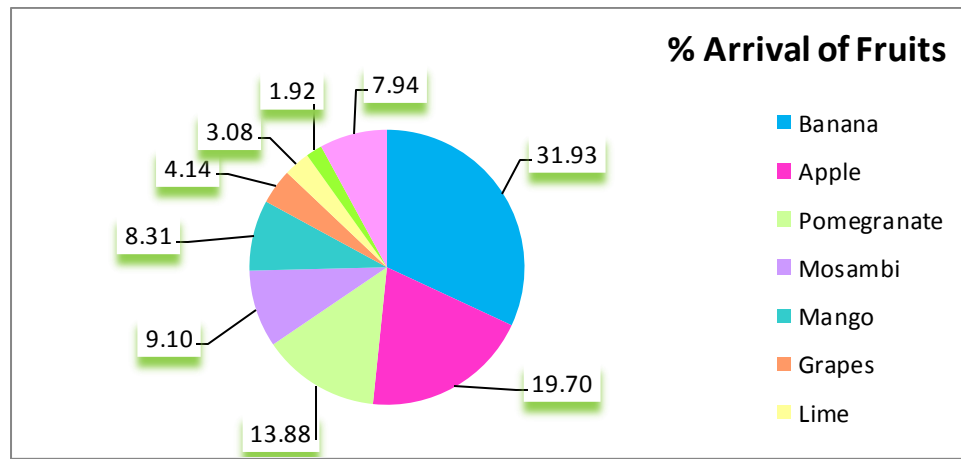
Under the component of establishment of marketing infrastructure for horticulture produce, 1 retail market / outlet in Chhattisgarh, 2 pre cooling units(attached to cold storage units) i.e. in Maharashtra, one functional infrastructure in Gujarat has been established.

Market Arrival of Horticultural Produce

Fruits

During July-September, 2012, 45.57 lakh MT of fruits have been traded in about 755 markets in the country. Banana constitutes about 32% (14.55 lakh MT), Apple constitutes about 20% (9.00 lakh MT), Pomegranate 14% (6.32 lakh MT), Mousambi 9%(4.15 lakh MT), Mango 8% (3.78 lakh MT), Grapes constitutes about 4% (1.89 lakh MT), Lime 3% (1.40 lakh MT), Water Melon constitutes about 2% (0.88 lakh MT) and other fruits 8% (3.62 lakh MT) (**Fig-4**).

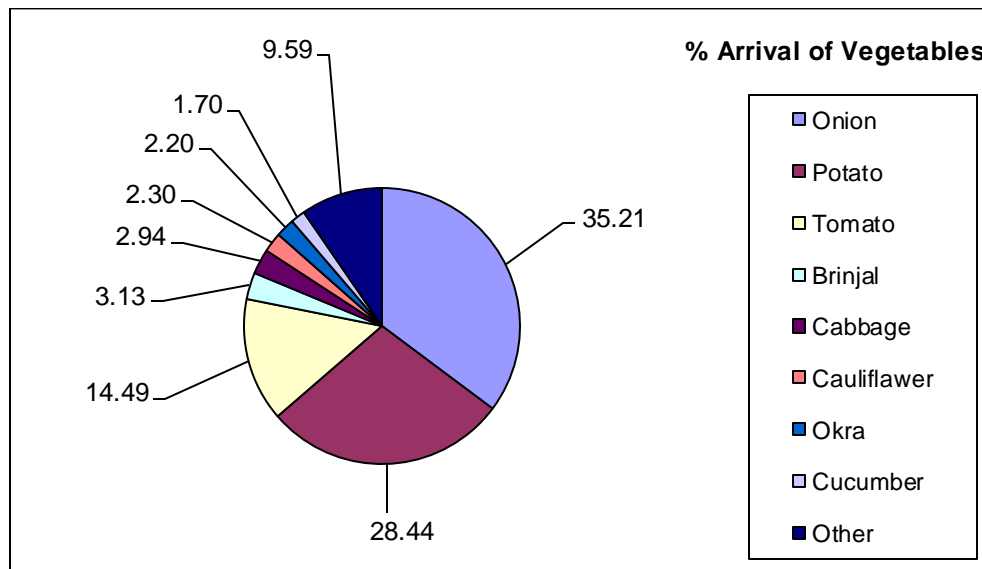
Figure-4: Trading of Fruits in India during July-September 2012



Vegetables

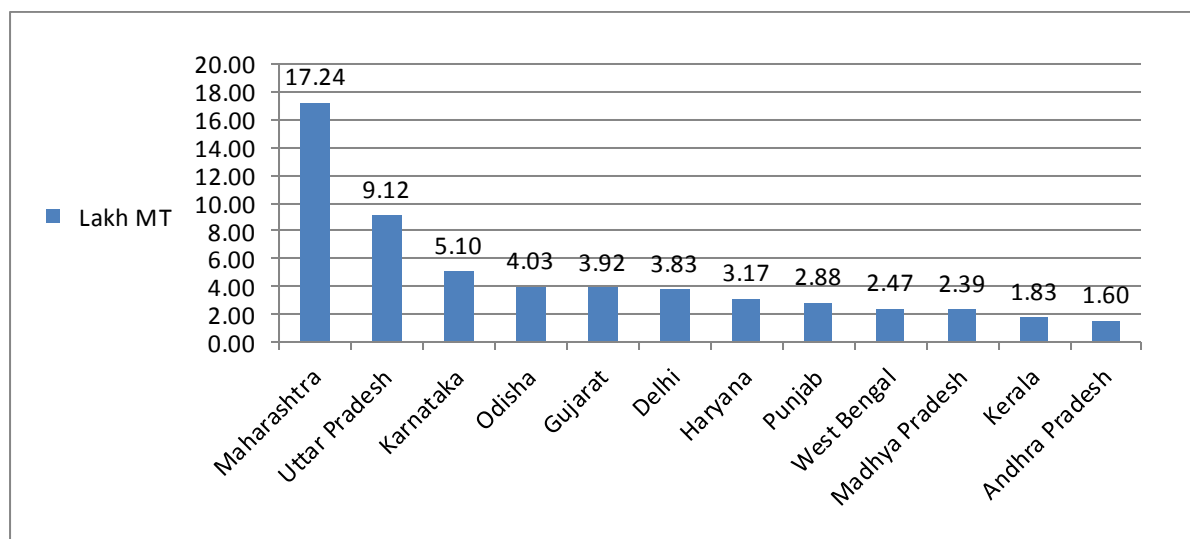
62.10 lakh MT of vegetables has been traded during July-September, 2012 in 1077 markets in the Country. Major arrivals of vegetables are Onion (35%), Potato (28%), Tomato (15%), Brinjal (3%), Cabbage (3%), Cauliflower (2%) Bhindi (okra) (2%), Cucumber (2%) and other vegetables (10%). **Fig.- 5**

Figure- 5: Trading of Vegetables in India during July-September 2012



Distribution of vegetables traded in different States during July-September 2012 is given in **Fig.- 6**

Figure-6: State wise trading of Vegetable during July-September 2012



Flowers

Total market arrival of flowers was 2.12 lakh MT in 74 markets; Marigold (Calcutta) constitutes about 2.00 lakh MT of total arrivals of flowers followed by Rose (Loose) 0.07 lakh MT Amaranthus 0.02 lakh MT, Jasmine 0.01 Lakh MT and Chrysanthemum 0.02 lakh MT during July-September, 2012.

Spices

About 14.86 lakh MT of spices has been traded in 1018 markets. Out of this, Methi constitutes 36 %, of total arrival of Spices, followed by Garlic (26 %), Green Chillies (14%), Coriander Seed (6 %), Ginger (4 %), Betal leaves (3%), Turmeric (3%) and others spices (8%) during July-September, 2012., 2012.

Plantation Crops

Total market arrival of Plantation crops has been reported as 24.56 lakh MT in 145 markets. Out of which Coconut constitutes (99.88%), Cashewnut (0.12%) during July-September, 2012., 2012.

Export

Till May, 2011-12, horticulture products worth value of Rs. 781.92 crore were exported (Table 3).

Table 3: Export Value of Horticultural Products till May, 2011-12

S. No.	Products	Value (Rs. in Crore)
1	Floriculture & Seeds	90.42
2	Fruits & Vegetables	691.50
	Total	781.92

Meetings

- Meeting of the Empowered Committee (EMC) of NHM was held on 3.8.2012 to consider the project proposals of State Horticulture Missions of Bihar, Chhattisgarh, Gujarat, Haryana, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Odisha, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh and West Bengal.
- Out of 126 project proposals received from above mentioned States, ECM approved 119 project proposals with an outlay of Rs. 3609.00 lakh.
- Meeting of the Executive Committee of NCCD held on 16th July 2012 under the Chairmanship of Secretary (DAC).
- A National Conclave on Micro Irrigation organized by ICC Kolcatta, supported by DAC held in Delhi on 12th September 2012.
- Video Conferencing on VIUC held with States on 14th September 2012.
- A meeting on the progress on VIUC with SFAC held on 16th October 2012.

Year of Horticulture – Activities

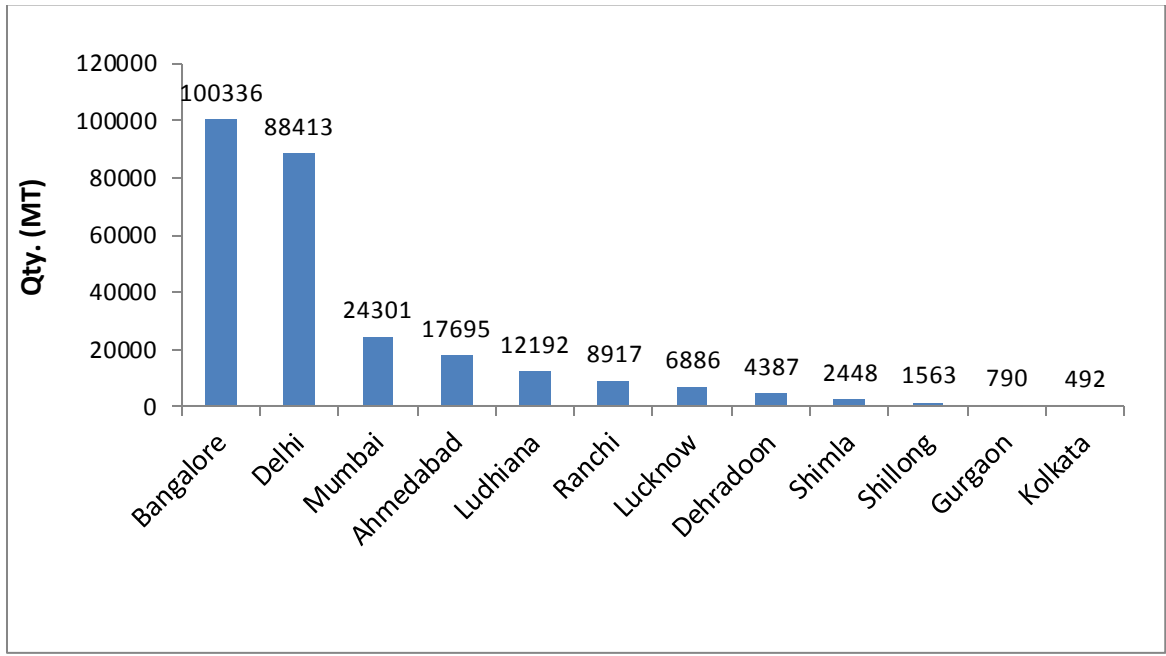
The year 2012-13 is being celebrated as Year of Horticulture (YOH) for giving added focus to horticulture sector. As a prelude to YOH celebrations, a National Seminar on Horticulture was organized at New Delhi in February 2012. Apart from giving focus on protected cultivation, rejuvenation and canopy management of horticulture crops, trainings, workshops, seminars and conferences have been scheduled in different states during the course of the year. So far, the following programmes have been organized:

- Seminar on Green House was organized in April, 2012 at Patna, Bihar.
- Seminar on Production Improvement held in July, 2012 at Bhubaneswar, Odisha.
- International horticulture expo held on 21-25 September 2012, Kannur, Kerala.
- International Conference on Cashew held on 11-12 October, 2012 at Goa.
- International Conference on Organic Farming held on 8-9th November, 2012 at Ranchi, Jharkhand.
- An Interactive Session on Cold Chain was held with the cold chain stakeholders on 14th September, 2012

B. VEGETABLE INITIATIVE FOR URBAN CLUSTERS (VIUC)

- Outlay for 2012-13, an allocation of Rs. 300 crore has been approved and funds to the tune of Rs. 92.28 crore have been released so far.
- During September 2012, 19.01 MT of vegetables were traded in the major metro cities, details of which are depicted in **Figure 7**.

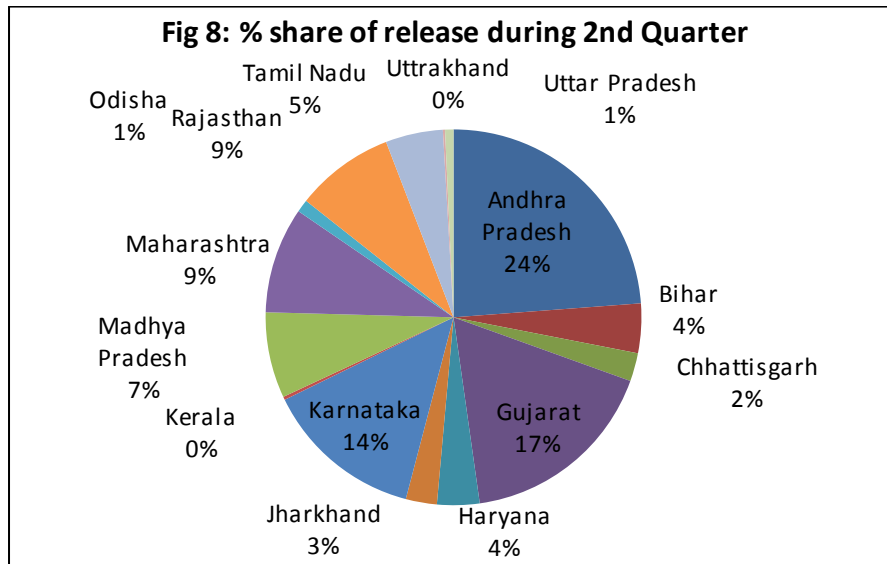
Fig 7: Vegetables traded in VIUC Cities



C. NATIONAL MISSION ON MICRO IRRIGATION (NMMI)

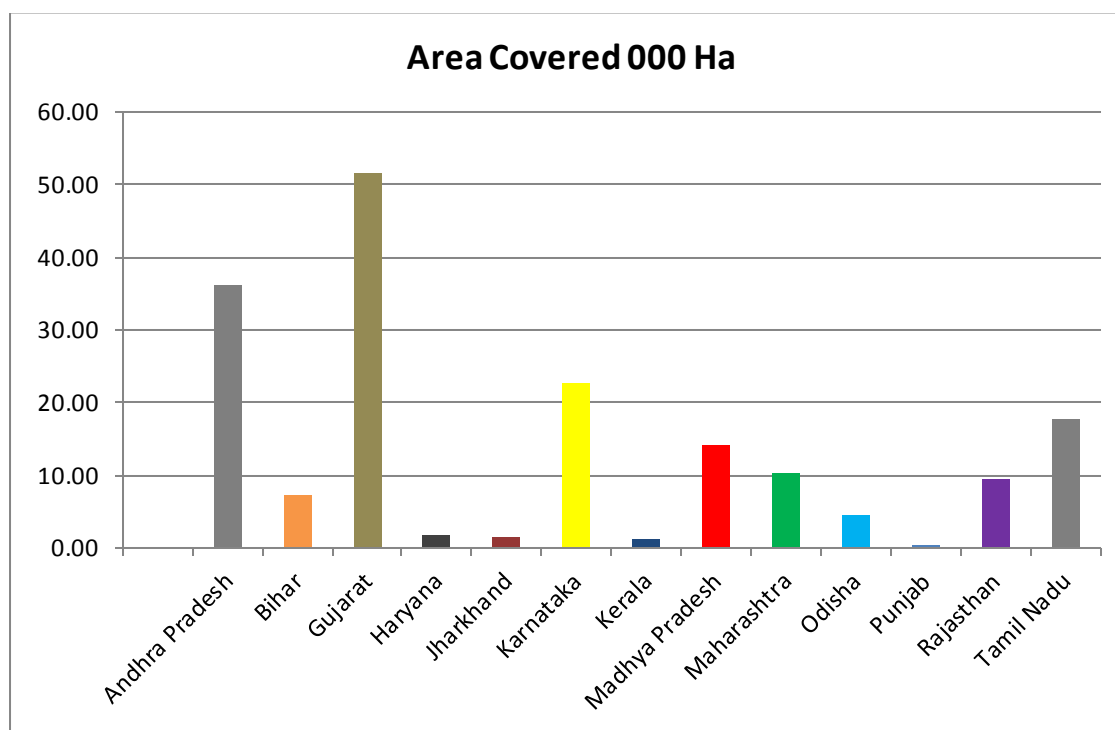
Release and Expenditure: 2012-13

During the current financial year viz. 2012-13, BE of ₹ 1500.00 crore has been earmarked for NMMI. The Annual Action Plan for all the 27 States and NCPAH were approved on 11th April, 2012. An amount of ₹ 822.41 crore was released till 30th September, 2012 in 15 States.



An area of about 1.79 Lakh ha has been covered under micro irrigation till Sep 2012 (Fig: 9)

Fig 9: Area Covered under NMMI during 2012-13



D. NATIONAL CENTRE FOR COLD CHAIN DEVELOPMENT (NCCD)

NCCD has been constituted by Department of Agriculture and Cooperation as an autonomous body which has been registered as a Society under the Societies Registration Act 1860.

The aims and objectives of the Society are:

- i. To recommend standards and protocols for cold chain infrastructure/building including post harvest management so as to harmonize with international standards and best practices and suggest mechanism for bench marking and certification of infrastructure/building, process and services provided by cold chain industry.
- ii. To suggest indicative guidelines for preparation of project reports for potential investors/entrepreneurs.
- iii. To assess and develop appropriate IT-based management information system for the cold chain infrastructure.
- iv. To undertake and coordinate Research and Development (R&D) work required for development of cold chain industry in consultation with stakeholders.

- v. To undertake and coordinate the task of Human Resource Development (HRD) and capacity building. It may also conduct in-house training, short-term/long courses relevant for cold chain development.
- vi. To launch publicity campaign to educate the stakeholders including awareness building about the benefits of integrated cold chain.
- vii. To recommend appropriate policy framework relating to development of cold chain.
- viii. To facilitate and foster the development of multi-modal transportation facilities for perishable agricultural, horticultural and allied commodities and establishment of National Green Grid Perishable Commodities.

Progress made by NCCD

- 2nd meeting of Executive Committee of NCCD held on 16.07.2012 under the chairmanship of Secretary (DAC).
- An interactive conclave was organized with a huge industry participation to work out a road map on 17.07.2012.
- Steps have been initiated for having collaboration with Cemafroid (French Cold Chain regulatory agency).
- Membership of International Institution of Refrigeration (IIR), Paris has been obtained. Director, NCCD is Indian delegate in IIR.
- Process is underway to secure World Bank support for HR Development.
- Communication with HRD Ministry has been initiated to develop a B. Tech course on Refrigeration Technology in IITs.
- IIT, Delhi has been requested to provide specialized vocational training to technical manpower (technicians) engaged in cold chain sector.
- Technical Committees constituted to provide recommendations on the following:
 - a) Technical Specification, Standards, test laboratory and product certification Committee,
 - b) Training, HRD and R&D Committee,
 - c) Application of Non-conventional Energy Sources in Cold Chain Infrastructure and
 - d) Supply Chain & Logistics for Post Harvest Marketing.

E. NATIONAL MISSION ON SAFFRON (NMS)

National Saffron Mission is being continued during 2012-13 in Jammu & Kashmir State with the main objective to increase production, productivity of saffron and for improving the product quality. An outlay of Rs.50.00 crore has been earmarked for the Scheme during 2012-13. During the year, the following achievements have been made so far:

- About 360 ha of saffron area rejuvenated/replanted.
- About 29 ha developed for producing planting material.
- Three tube wells established and irrigation system strengthened in 56 ha.
- Saffron mechanization activities taken up.
- Three hundred farmers trained and 200 demonstrations organized.
- More than 400 vermi compost units established.
- An expenditure of Rs.10.19 crore has been incurred.
- International symposium on saffron held on 22-25th October 2012 in Srinagar (J&K).