



भारतीय कृषि एवं खाद्य परिषद्
INDIAN COUNCIL OF FOOD AND AGRICULTURE

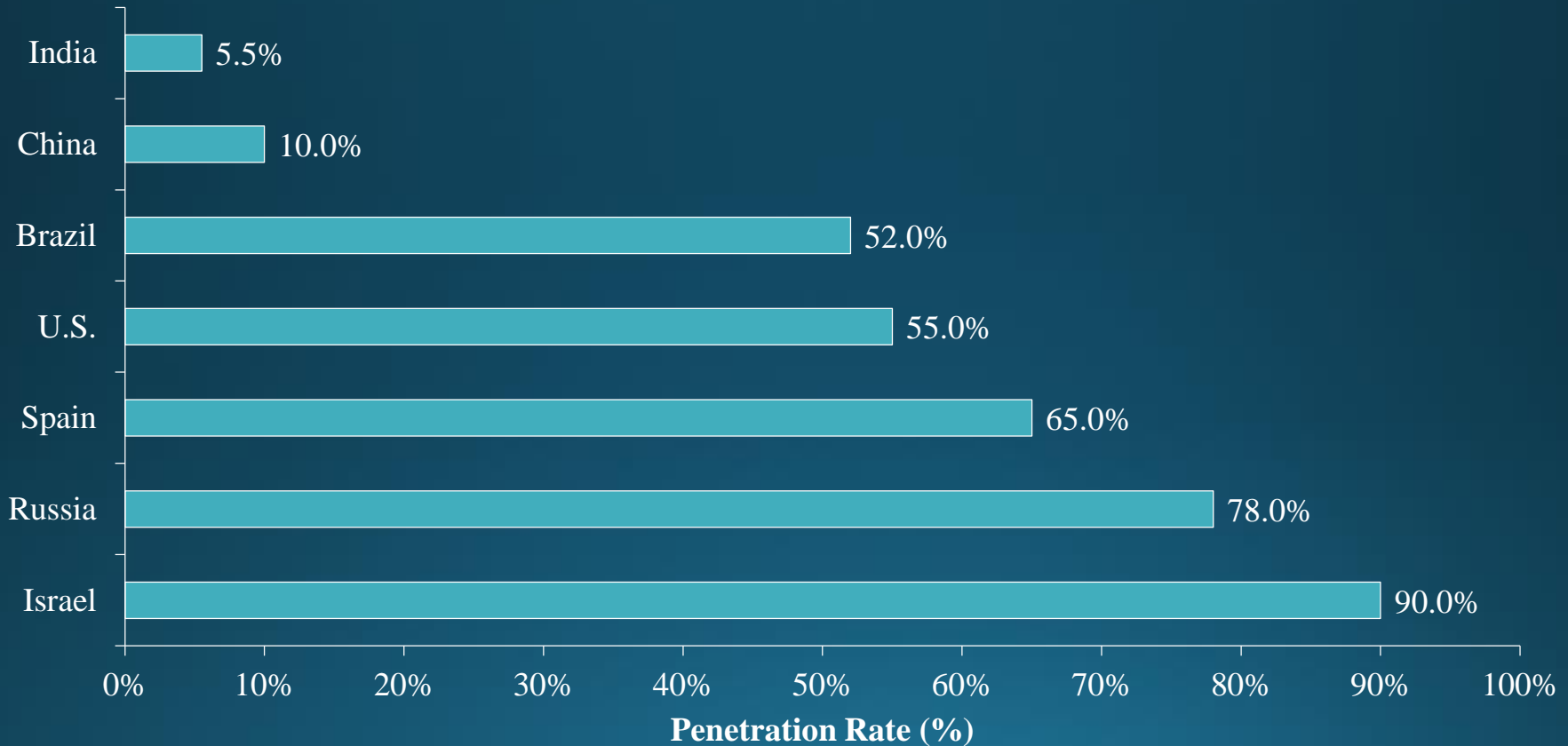


MARKET UPDATE

MICRO IRRIGATION

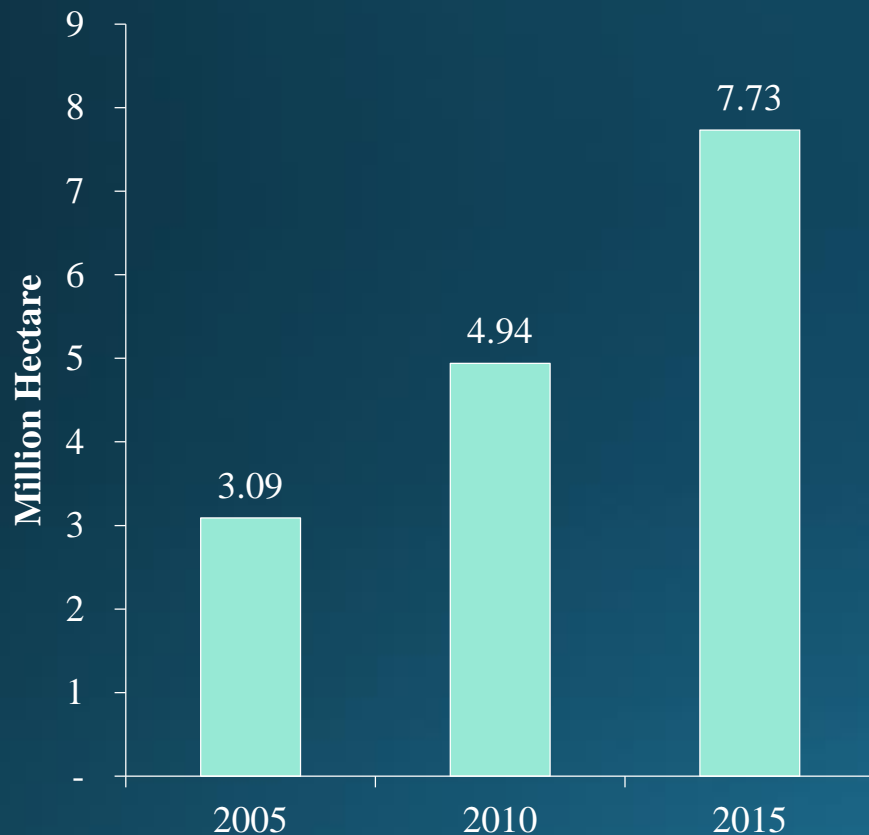
India's Position in the Global Market

Micro Irrigation Penetration Rate

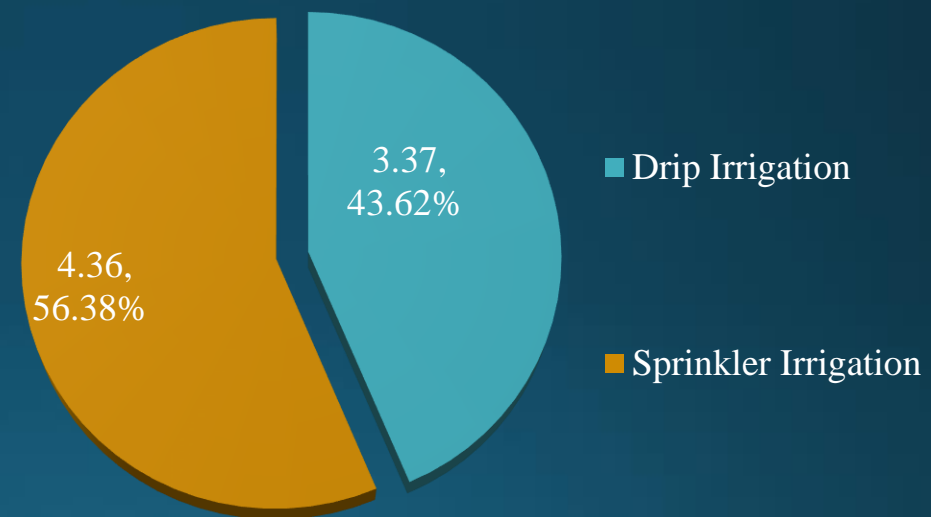


All India Area Covered

All India Area Covered Under Micro Irrigation; 2005-2015

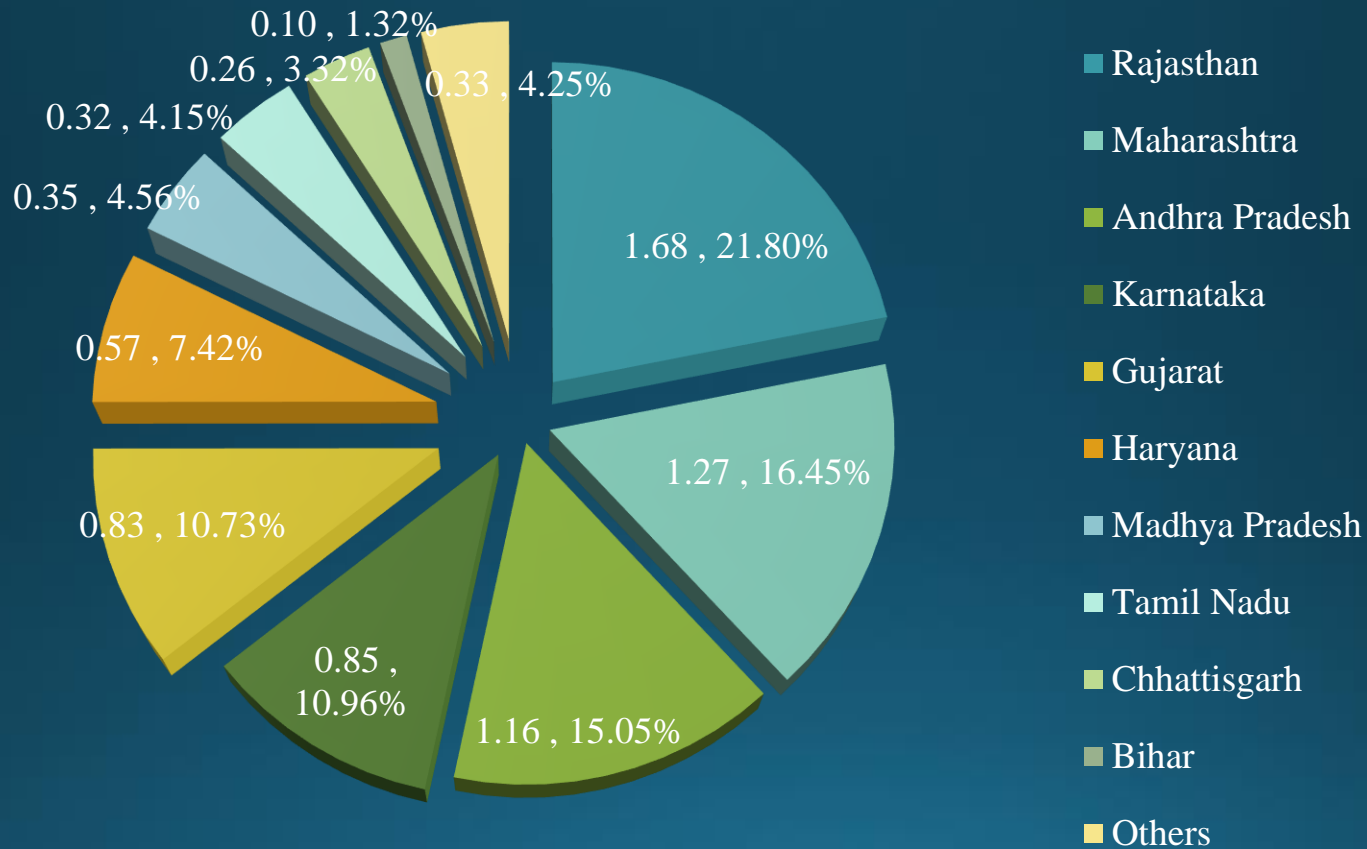


All India Area Covered Under Micro Irrigation by Segments; 2015 (Million Hectare)



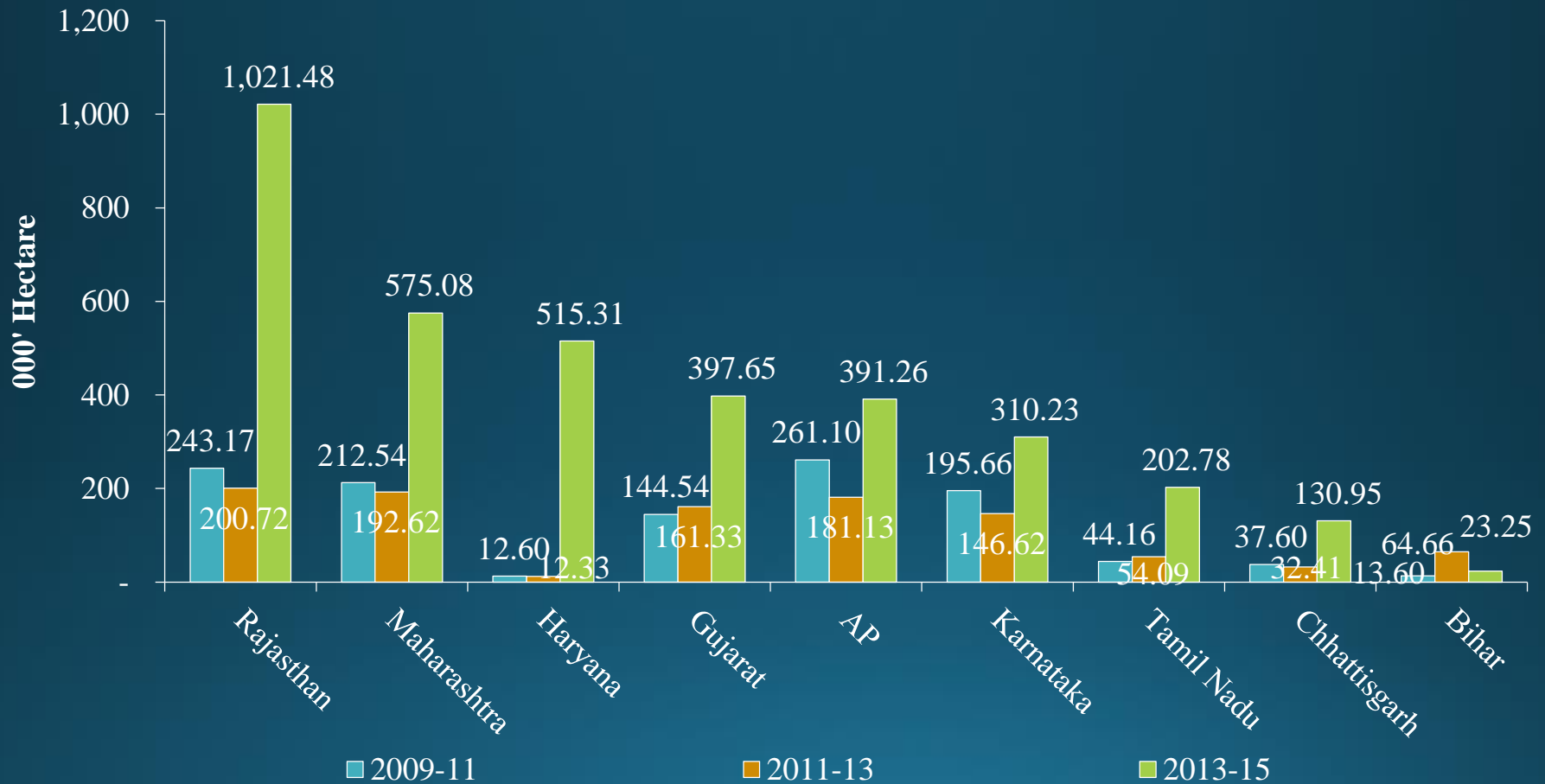
Major States

Top 10 States with Micro Irrigation Area Covered; 2015 (Million Hectare)



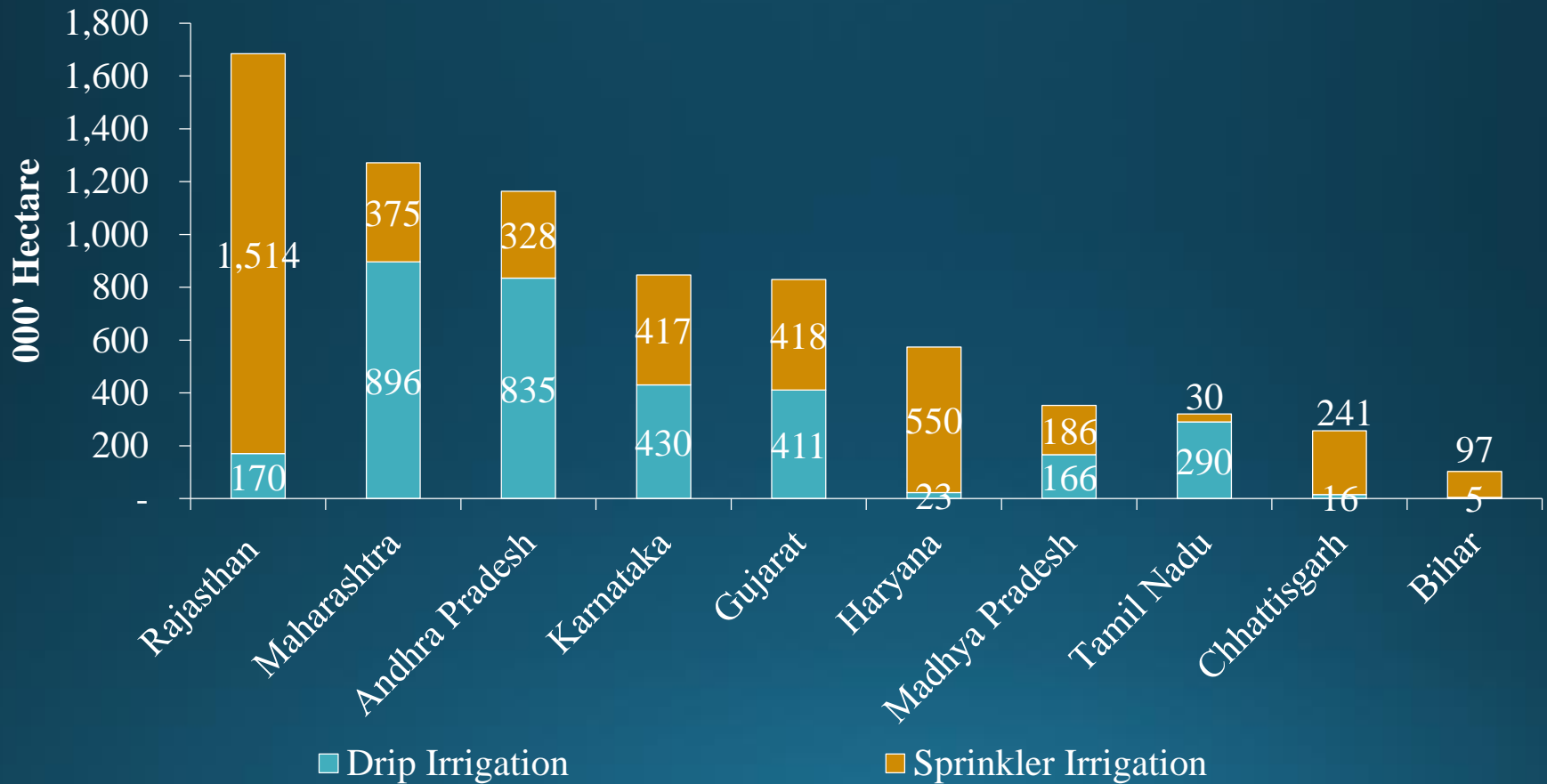
Major States

Year Wise Micro Irrigation Area Covered of Major States; 2009-2015



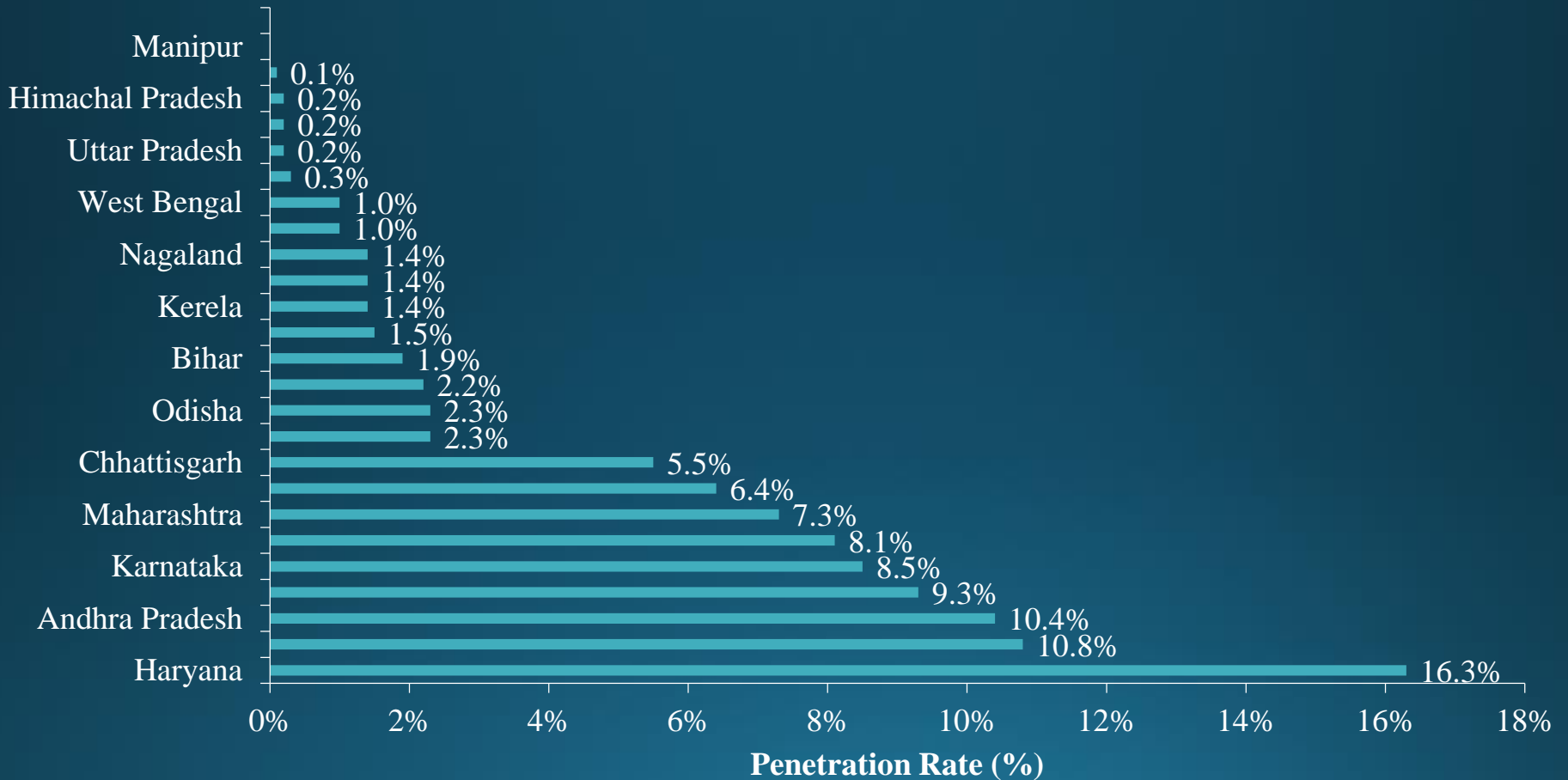
Major States

Major States Area Covered Under Micro Irrigation by Segments; 2015



Major States

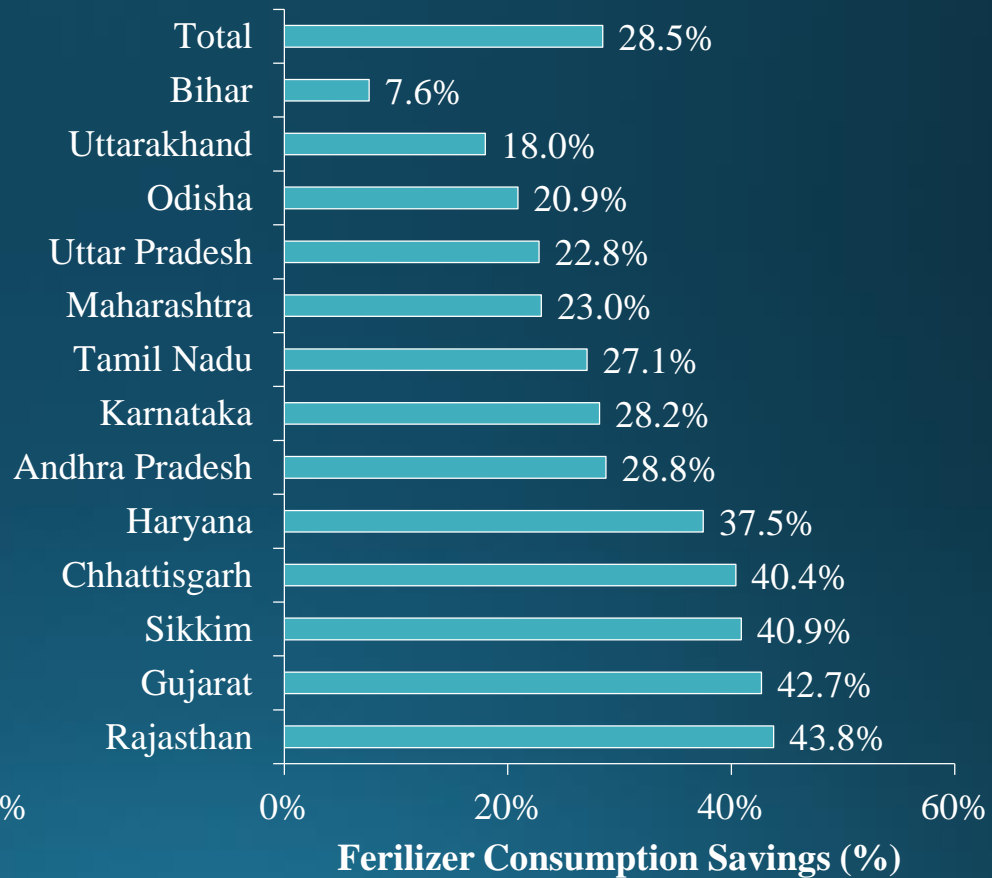
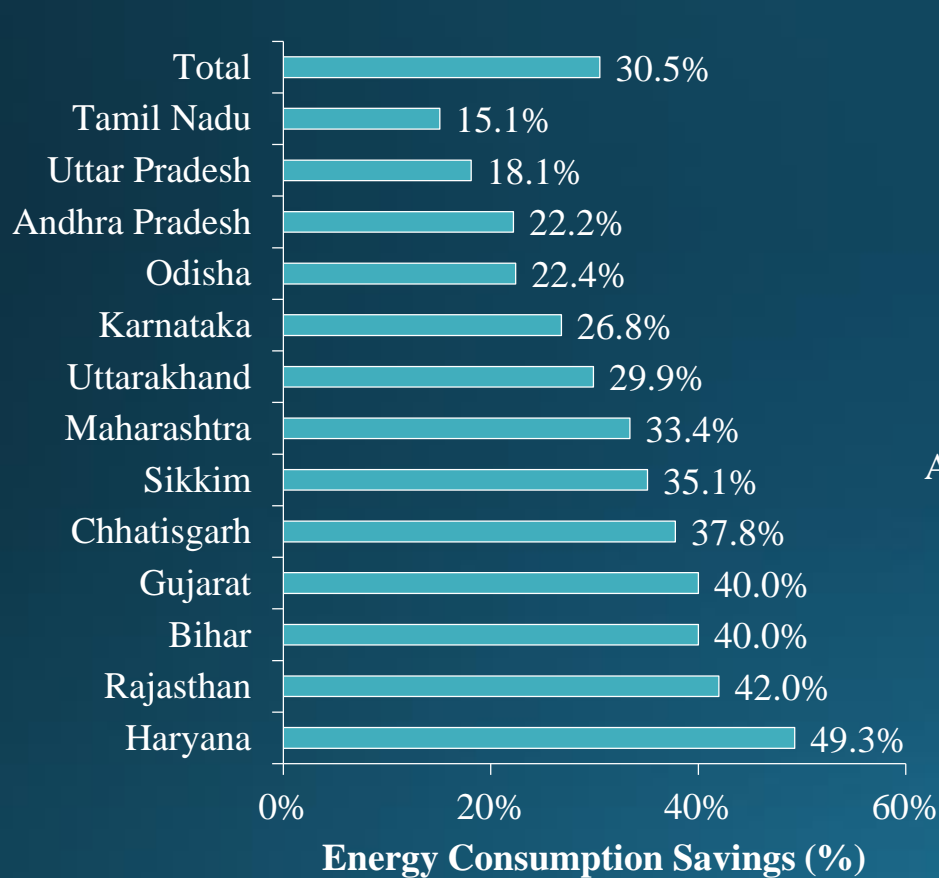
Major States Micro Irrigation Systems Penetration Rate; 2015



Impact of Micro Irrigation

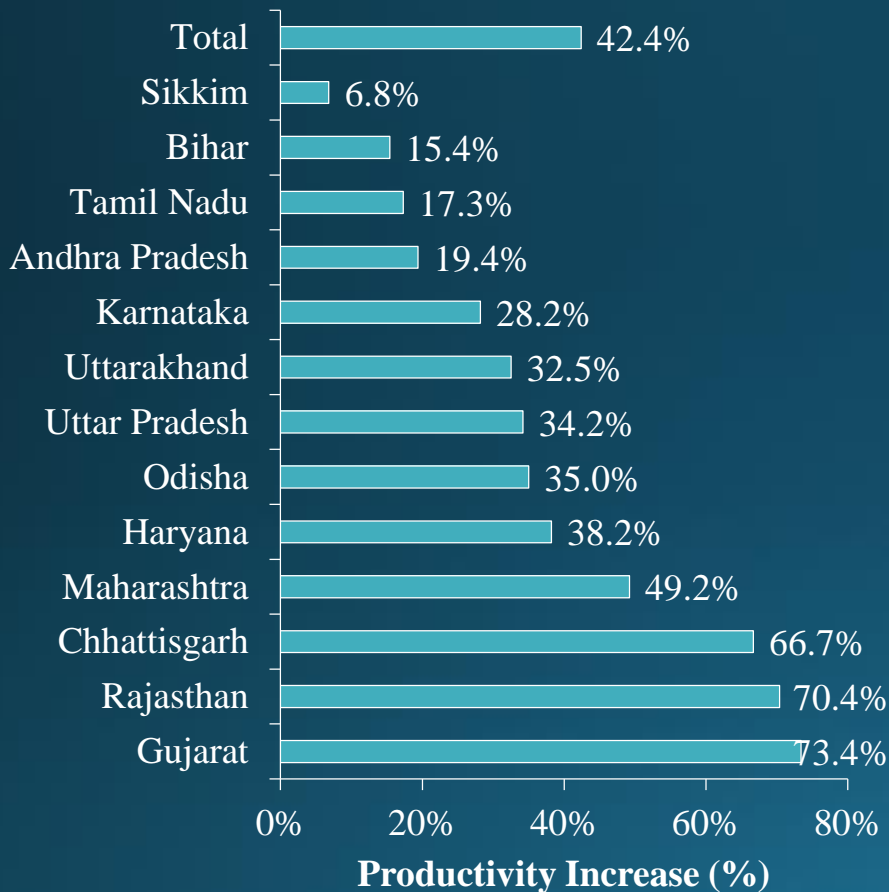
Energy Consumption; 2015

Fertilizer Consumption; 2015

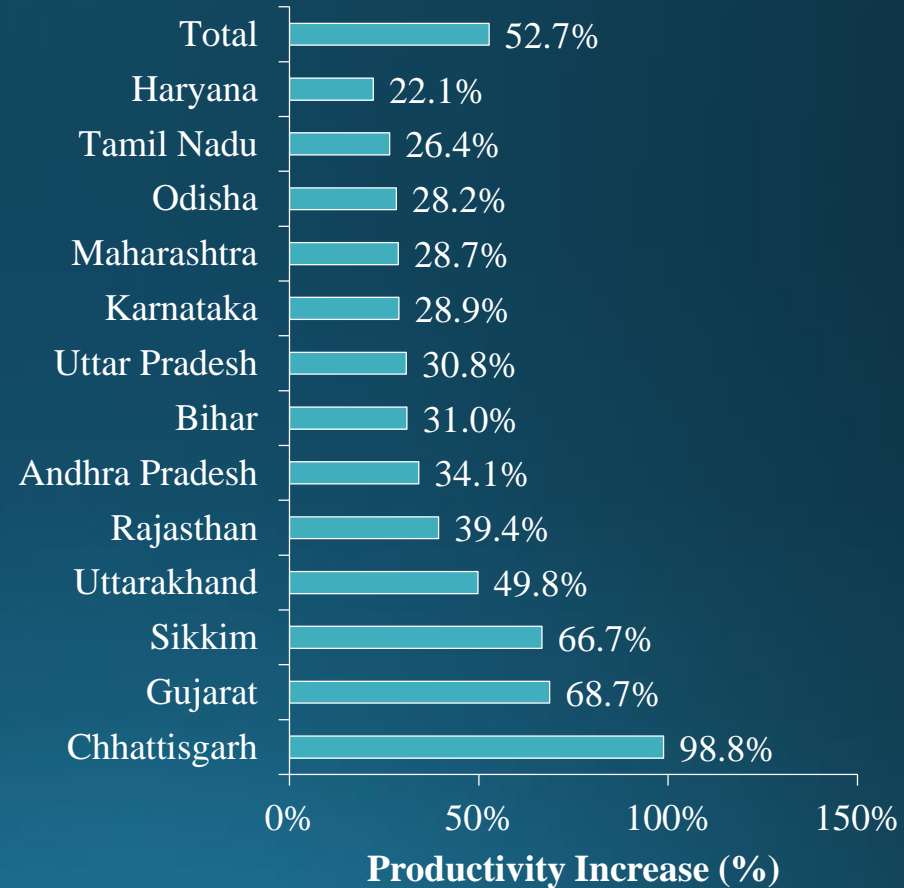


Impact of Micro Irrigation

Fruit Crops Productivity; 2015

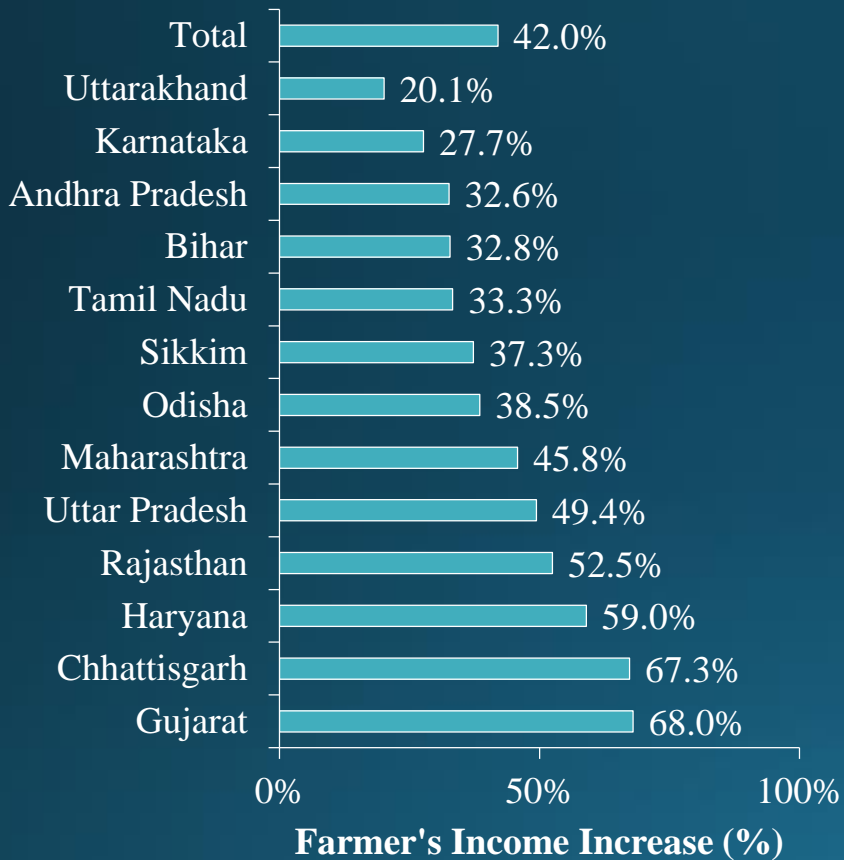


Vegetable Crops Productivity; 2015

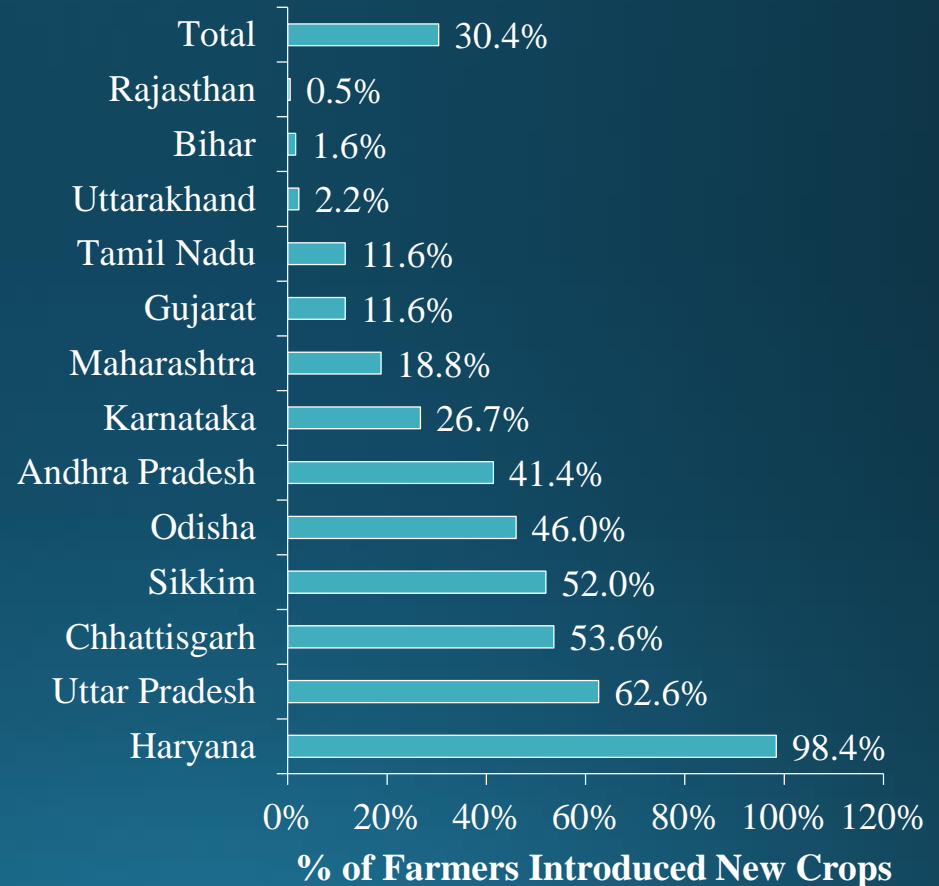


Impact of Micro Irrigation

Increase in Farmer's Income; 2015

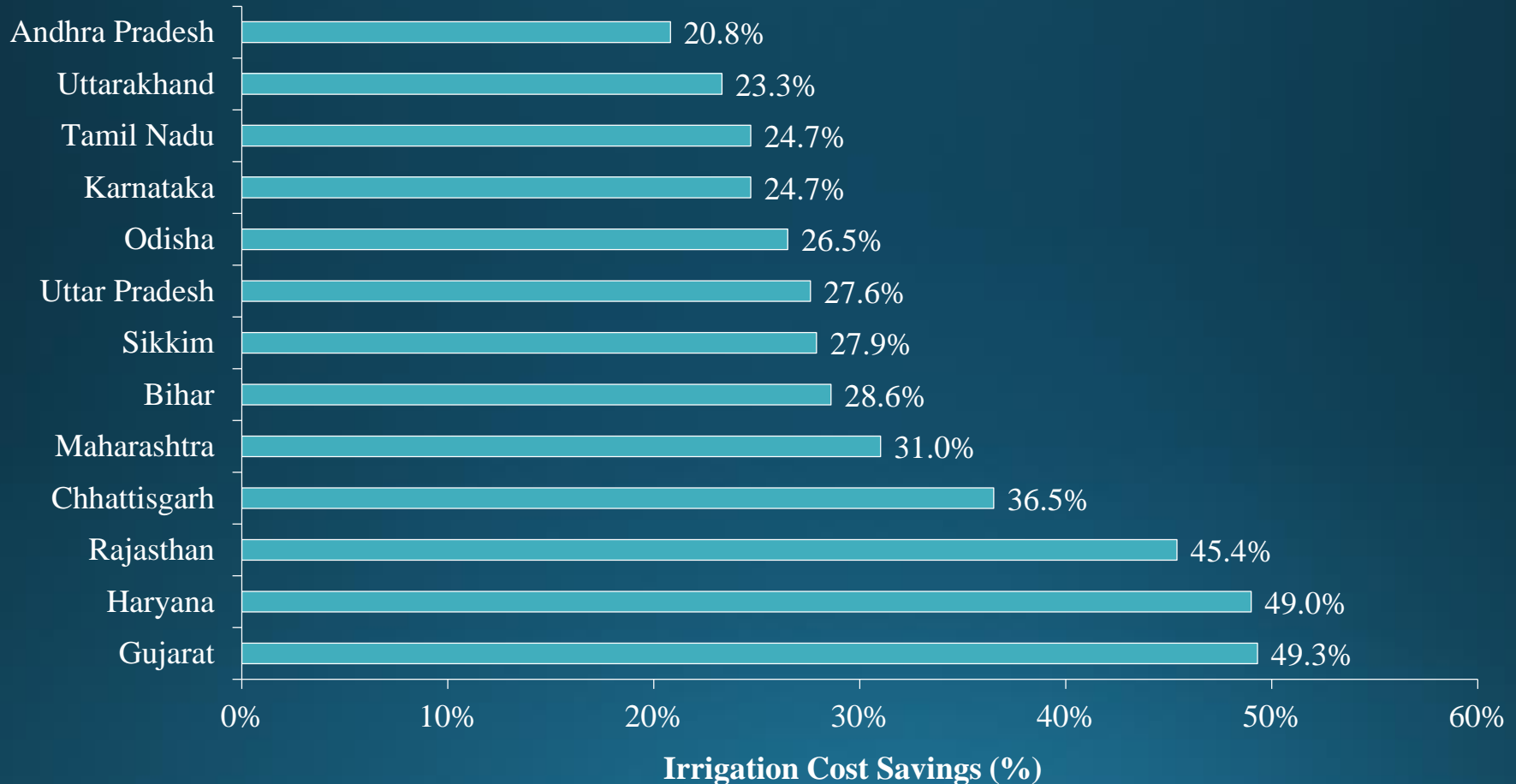


Introduction of New Crop; 2015



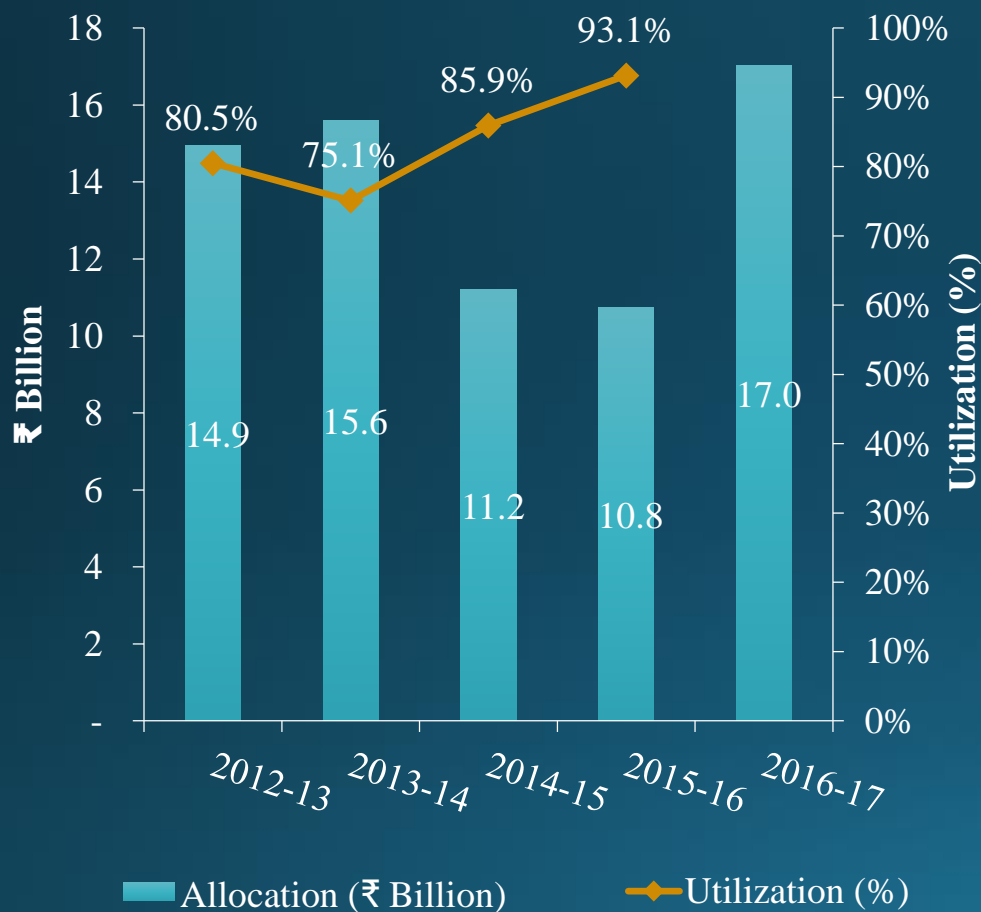
Impact of Micro Irrigation

Irrigation Savings; 2015



Govt. Scheme Fund Allocation

Year-Wise Total Fund Allocation and Utilization; 2012-17

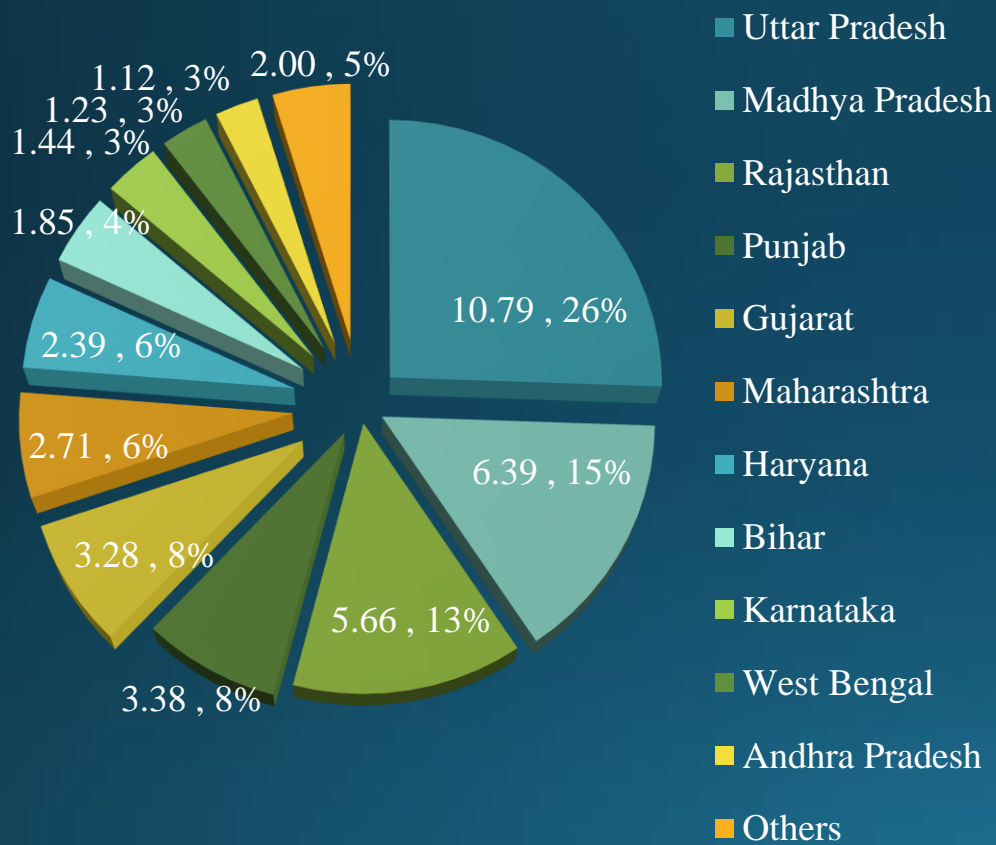


State-Wise Fund Allocation and Utilization; 2015-17

S. No	States	2015-16		2016-17
		Allocation (₹ Crore)	Utilization (%)	Allocation (₹ Crore)
1	Maharashtra	176.75	50%	330
2	Gujarat	146.75	139%	250
3	Andhra Pradesh	131.75	135%	260
4	Karnataka	111.75	100%	169
5	Rajasthan	104.75	50%	120
6	Telangana	92.75	103%	165
7	Madhya Pradesh	82.75	162%	140
8	Tamil Nadu	72.75	100%	110
9	Haryana	34.5	49%	40
10	Bihar	20	50%	0
11	Others	100.93		119
	Total	1075.43		1703

Potential For Micro Irrigation

State-Wise Potential for Micro Irrigation in India



Crop-Wise Potential for Micro Irrigation in India

Crops	Million Hectare
Cereals	27.6
Cotton	8.8
Pulses	7.6
Vegetables	6.0
Oil Seeds	4.9
Sugarcane	4.3
Fruits	3.9
Coconut, Plantation Crops and Oil Palms	3.0
Spices and Condiments	2.4
Flowers, medicinal and aromatic plants	1.0

Major Challenges and Issues

- There is no dedicated scheme on MI. It's just a component of PMKSY.
- Lack of dedicated team and IT-backed operations
- Delay in release of guidelines/government orders, uncertainty and sporadic changes in scheme guidelines
- Delay in Subsidy disbursement
- Absence of easy financing mechanisms for farmers
- High cost of maintenance and repairing of MI instrument

Major Recommendations

- Government should initiate an awareness campaign to sensitize farming community about MI
- It should be made mandatory for firms providing infrastructure for micro irrigation to train the beneficiary about usage and handling of system with proper manual.
- To safeguard the investment made by farmer on MI system, provision for ensured maintenance service of MI system by the firm for at least 3 years should be made to provide hassle free service to farmers.
- SAUs and other institutes should initiate diploma courses for imparting skill of operating and maintaining micro irrigation systems to rural youth, this will provide employment to youth as well as create local service providers.
- Schemes like Credit Linked, Back-Ended Subsidy and Credit Guarantee Fund Trust for Micro and Small Enterprises should be promoted and extended with the help of state and central agencies along with the industries, cooperatives, NGOs.

Thank You