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Imbalanced fertilization & need for region specific recommendations

	NPK Ratio		NPK (Kg/ha)	
	2005-06	2006-07	2005-06	2006-07
Punjab	17.2:2.9:1	25.8:5.0:1.0	209	210
Haryana	27.6:5.4:1	32.7:8.0:1.0	176	175
Madhya Pradesh	8.7:5.8:1	8.2:6.4:1.0	47	60
Uttar Pradesh	20.8:3.8:1	20.5:5.0:1.0	141	152
Gujarat	8.1:3.2:1	8.8:3.5:1.0	116	127
Maharashtra	4.4:2.1:1	4.2:2.4:1.0	88	101
Chhattisgarh	6.2:2.4:1	6.1:2.4:1.0	66	76
All India	5.9:2.1:1	6.5:2.7:1.0	107	116

Consumption of N,P and K has been determined by either tradition or govt. controlled subsidies. Therefore, need to have region specific recommendations











Hariya	li - helpir	ig overcom	e the Cons	straints	
Agronomy	Crops	Economy	Markets	Distribution	
	Lack of direct	Fragmented & widely distributed markets		Poor	
Lack of direct technical inputs Agronomy practices fairly basic	access to markets	Most business		network	
	Cropping restricted to basic govt. aided commodities	Rural economy insulated from rest of economy by layers of middlemen	Less purchasing power Poor quality goods dominate the markets	Mode of transportation are limited	
				Market reach difficult	
Today, Hariyali serves as the reliable and trusted interface between the farmers and the rest of the economy					
	620	63			











Crop diversification

- $\rm Mr.$ C. Peddaraju is a small farmer of village Kamatamigunta, Tadapadiculam (AP) he lives 5 Km away from Hariyali.
 - Mr. C. Peddaraju normally grows paddy and fulfills the need of his family. He has never tried any other crop then paddy because he was not having the knowledge of growing. Mr. C. Peddaraju was given the complete end to end support for growing Maize right from crop selection to harvesting.
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 - With the help of Hariyali support he could achieve maize yield of 40 qnt /acre Mr. C. Peddaraju found maize as a very easy and low input cost crop as compared to paddy. And he achieved the income of Rs.44000 per acre which was Rs. 20000 more then paddy crop.
 - Regional print media has published the success in paper.













Customized services

- Mr. Magan bhau is a small farmer of village Salema near to Pachora (MH)) he lives 5 Km away from Hariyali.
- Mr. Magan bhau grows onion for his livelihood.
- Every year Mr. Magan bhau incurs huge loss due to insect pest and nutrient deficiency in his onion crop.
- When he visited Hariyali and reported the problem the Hariyali agronomist visited the field and came to know that farmer has very poor knowledge about he problems and was wasting the money on wrong inputs.
- Mr. Magan bhau was provided customized advisory at his field in result he achieved very good yield and extra income of Rs.6000 per acre as compared to past years.



































Critical Factors						
•	 Volume & Size of business – critical to viability 					
				Rural	Urban	
	P	Population (in million)		680	320	
	Ν	Markets		627000	3768	
	Population per market		1085	85000		
	Population range No. of		villages No. of retail outlets		ail outlets	
1.1	More than 2000		60000		1330000	
2	Between 500 and 2000 23		230	30000		000
	Less than 500 340		000	500000		
Rural markets will not offer volume per outlet. The skill will lie in creating "formats" with costs commensurate with expected business						
A SANCE	Kasan Bazar					



Example				
	Area Characteristics	Outlet Characteristics		
Large	 Fairly good infrastructure Progressive Farmer, Processing infrastructure High farming potential Access to market information 	 High investment Advisory, Soil testing, Financing, Banking, Warehousing, Departmental Store Output buyback Direct link with processors 		
Medium	 Area with basic roads Farmer, willing to change High farming potential 	 Medium investment Advisory, Soil testing, Financing, Wider range of Products Output buyback 		
	Poor infrastructureFarmer, willing to changeHigh farming potential	 Low investment Advisory, Financing & Basic Products Possibly franchisod 		
Back-end Supporting with technology solutions and product supply chain		• Possibly, Italichised		





